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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING, PROSPECTING, AND MAPPING

at the Rau Project of the

RACKLA GOLD PROPERTY

Rau 1-100; ACX 1-310, Gam 1-32; R 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109-1337; S 1-1250; GF 3-4; and Q 1-24

NTS 106C03-06, 106D/01-03, 06-08 and 105M14-15
Latitude 63°57´N to 64°28´N; Longitude 133°18´W to 135°26´W

in the

Mayo Mining District, Yukon Territory

Field work performed from June 13th to 27th and August 24th to September 3rd, 2018

prepared by

Archer, Cathro & Associates (1981) Limited

for

ATAC RESOURCES LTD.

by

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November 2019

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INTRODUCTION

The Rau Project is located on the western half of the Rackla Gold Property in east-central Yukon. The Rackla Gold Property comprises a 1,700 km^2 area of highly prospective platform to basin facies sedimentary rocks located along the northern edge of the Tintina Gold Belt. Various commodities have been explored for and discovered within the claim block. Historically, this exploration focused on base metal mineralization, while more recent exploration has been directed towards gold potential. The Rau Project is focused around the Tiger gold deposit, an intrusion related, carbonate replacement gold deposit. The property is owned 100% by ATAC Resources Ltd.

This report describes work completed at the Rau Project in 2018, including: soil geochemical sampling, prospecting and mapping at several targets along the Rau Project. Management of this work was provided by Archer, Cathro & Associates (1981) Limited, on behalf of ATAC. The authors reviewed all data relating to this work, and their Statement of Qualifications appears in Appendix I. A Statement of Expenditures is provided in Appendix II.

PROPERTY LOCATION, CLAIM DATA, ACCESS AND INFASTRUCTURE

The Rau Project consists of 2,791 contiguous mineral claims located from 63°57´N to 64°28´N latitude and stretching from 133°18´W to 134°16´W longitude on NTS map sheets 106D/01-03, 06-08 and 105M14-15 (Figure 1). The claims are all registered with the Mayo Mining Recorder in the name of Archer Cathro, which holds them in trust for ATAC. Specifics concerning claim registration are tabulated below while the locations of individual claims are shown on Figures 2A-C.

TABLE 1: RAU PROJECT CLAIM INFORMATION

Claim	Number	Grant	Expiry*
ACX	1-234	YD08251-YD08484	April 28, 2031
ACX	235-310	YD33163-YD33238	April 28, 2031
Gam	1-21	YC98437-YC98457	April 28, 2027
Gam	22-32	YE65090-YE65100	May 25, 2022
GF	3-4	YC32305-YC32306	April 28, 2040
Q	1-13	YC92361-YC92373	April 28, 2037
Q	14	YC92470	April 28, 2037
Q	15-24	YC92375-YC92384	April 28, 2037
R	61	YC68394	April 28, 2039
R	63	YC68396	April 28, 2039
R	65	YC68398	April 28, 2039
R	67	YC68400	April 28, 2036
R	69	YC68402	April 28, 2036
R	71	YC68404	April 28, 2032
R	73	YC68406	April 28, 2032
R	75	YC68408	April 28, 2032
R	77	YC68410	April 28, 2032
R	79	YC68412	April 28, 2032
R	81	YC68414	April 28, 2032
R	83	YC68416	April 28, 2032

R	85	YC68418	April 28, 2032
R	87	YC68420	April 28, 2032
R	89	YC68422	April 28, 2032
R	91	YC68424	April 28, 2032
R	93	YC68426	April 28, 2032
R	95	YC68428	April 28, 2032
R	97	YC68430	April 28, 2032
R	99	YC68432	April 28, 2032
R	101	YC68434	April 28, 2032
R	103	YC68436	April 28, 2032
R	105	YC68438	April 28, 2039
R	107	YC68440	April 28, 2039
R	109-120	YC68442-YC68453	April 28, 2039
R	121-124	YC68454-YC68457	April 28, 2036
R	125-158	YC68458-YC68491	April 28, 2032
R	159-178	YC68492-YC68511	April 28, 2039
R	179-182	YC68512-YC68515	April 28, 2036
R	183-214	YC68516-YC68547	April 28, 2032
R	215-234	YC68548-YC68567	April 28, 2039
R	235-238	YC68568-YC68571	April 28, 2036
R	239-270	YC68572-YC68603	April 28, 2032
R	271-328	YC68604-YC68661	April 28, 2039
R	329-416	YC68662-YC68749	April 28, 2032
R	417-434	YC68750-YC68767	April 28, 2039
R	435-456	YC68768-YC68789	April 28, 2032
R	457-489	YC68790-YC68822	April 28, 2039
R	490-495	YC68823-YC68828	April 28, 2032
R	496-535	YC68829-YC68868	April 28, 2039
R	536-539	YC68869-YC68872	April 28, 2032
R	540-577	YC68873-YC68910	April 28, 2039
R	578-581	YC68911-YC68914	April 28, 2032
R	582-616	YC68915-YC68949	April 28, 2039
R	617-620	YC68950-YC68953	April 28, 2032
R	621-651	YC68954-YC68984	April 28, 2039
R	652-655	YC68985-YC68988	April 28, 2032
R	656-685	YC68989-YC69018	April 28, 2039
R	686-689	YC69019-YC69022	April 28, 2032
R	690-719	YC69023-YC69052	April 28, 2039
R	720-723	YC69053-YC69056	April 28, 2032
R	724-753	YC69057-YC69086	April 28, 2039
R	754-757	YC69087-YC69090	April 28, 2032
R	758-783	YC69091-YC69116	April 28, 2039
R	784-787	YC69117-YC69120	April 28, 2032
R	788-810	YC69121-YC69143	April 28, 2039
R	811-814	YC69144-YC69147	April 28, 2032
R	815-836	YC69148-YC69169	April 28, 2039
R	837-908	YC69170-YC69241	April 28, 2032
R	909-933	YC69242-YC69266	April 28, 2039
R	934-955	YC69267-YC69288	April 28, 2032
R	956-981	YC69289-YC69314	April 28, 2039
R	982-1003	YC69315-YC69336	April 28, 2032

R	1004-1029	YC69337-YC69362	April 28, 2039
R	1030-1051	YC69363-YC69384	April 28, 2032
R	1052-1077	YC69385-YC69410	April 28, 2039
R	1078-1107	YC69411-YC69440	April 28, 2032
R	1108-1131	YC69441-YC69464	April 28, 2039
R	1132-1161	YC69465-YC69494	April 28, 2032
R	1162-1181	YC69495-YC69514	April 28, 2039
R	1182-1211	YC69515-YC69544	April 28, 2032
R	1212-1219	YC69545-YC69552	April 28, 2039
R	1220-1249	YC69553-YC69582	April 28, 2032
R	1250-1251	YC69583-YC69584	April 28, 2039
R	1252-1295	YC69585-YC69628	April 28, 2032
R	1296-1337	YC70595-YC70636	April 28, 2029
Rau	1-10	YC50268-YC50277	April 28, 2039
Rau	11	YC50278	April 28, 2047
Rau	12	YC50279	April 28, 2039
Rau	13-16	YC50280-YC50283	April 28, 2047
Rau	17-31	YC50284-YC50298	April 28, 2039
Rau	32	YC50299	April 28, 2047
Rau	33-44	YC50300-YC50311	April 28, 2039
Rau	45-48	YC50312-YC50315	April 28, 2047
Rau	49-53	YC50316-YC50320	April 28, 2039
Rau	54-64	YC50321-YC50331	April 28, 2047
Rau	65-68	YC57529-YC57532	April 28, 2032
Rau	69	YC57533	April 28, 2040
Rau	70	YC57534	April 28, 2039
Rau	71	YC57535	April 28, 2040
Rau	72-86	YC57536-YC57550	April 28, 2039
Rau	87-96	YC57551-YC57560	April 28, 2040
Rau f	97-98	YC69925-YC69926	April 28, 2041
Rau f	99	YC69961	April 28, 2040
Rau f	100	YC69962	April 28, 2033
S	1-42	YC90801-YC90842	April 28, 2030
S	43-92	YC90843-YC90892	April 28, 2037
S	93-700	YC90893-YC91500	April 28, 2030
S	701-842	YC91901-YC92042	April 28, 2030
S	843	YC92355	April 28, 2030
S	844-1154	YC92044-YC92354	April 28, 2028
S	1155-1244	YD09635-YD09724	March 1, 2019
S	1245	YD09725	March 1, 2026
S	1246	YD09726	March 1, 2021
S	1247	YD09727	March 1, 2024
S	1248	YD09728	March 1, 2026
S	1249-1250	YD09729-YD09730	March 1, 2019

**Expiry dates include 2018 work which has been filed for assessment and has received assessment credit.*

The Rau Project is centered approximately 100 km northeast of Mayo, the nearest supply centre. The closest road access is to the community of Keno City, situated about 49 km by road northeast of Mayo and 55 km by air southwest of the property. Mayo and Keno City can be

reached in all seasons by two wheel drive vehicles using the Yukon highway system. The Wind River trail crosses the western portion of the property and is also accessible via the Yukon highway system from McQuesten Lake near Keno City (Figure 3). This winter trail has been used intermittently by various exploration companies since it was built in the late 1960s.

Access to the project in 2018 was by fixed wing via Mayo to the Rau airstrip, approximately 95 km northeast of Mayo. Alkan Air provided the project's service flights between Mayo and the Rau airstrip utilizing a Cessna 208B Grand Caravan. The locations of the Rau airstrip and Rau camp are shown on Figure 3. Access to work areas on the project was provided by Fireweed Helicopters utilizing a MD520.

HISTORY AND PREVIOUS WORK

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

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

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

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

In spring 1978 Prism Resources Limited re-staked the area and conducted prospecting and geochemical sampling later that year. Soil sampling identified several lead and silver anomalies; however, follow up prospecting failed to explain them (Sivertz, 1979). A sample collected from an outcrop of dolomite yielded 0.60% lead and 51.43 g/t silver, while a tetrahedrite sample collected near an old adit assayed 7,000 g/t silver (Sivertz, 1980). Prism allowed the claims to lapse.

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

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

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

Approximately 45 km to the southeast, Cominco Limited staked the Beaver claims in 1968 based on results of regional geochemical sampling done the year before. Later that year, L. Elliott staked the nearby Now claims and optioned them to Cominco, which completed mapping and soil sampling in 1968 and 1969 (Johnson and Richardson, 1969a and 1969b).

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

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

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

In 1977, 6.25 km further to the northwest, Prism conducted mapping, soil sampling and electromagnetic surveys. Numerous samples from that program returned high zinc-in-soil values ranging from 2,100 ppm to 12.2%. One sample collected from a large gossan (Ocelot Showing) yielded 3.8 g/t silver, 800 ppm lead and 12.2% zinc (Montgomery and Cavey, 1978), suggesting the metals were leached and remobilized in acidic groundwater before being reprecipitated when the fluids were neutralized. These promising results were not followed up. Prism also performed minor soil sampling near a strong gossan developed 19 km to the east (Kathy Showing) (Prism Joint Venture, 1979b).

In 1979 and 1980, Prism explored in two areas approximately 16 km southeast of the current Ocelot Showing and conducted prospecting, soil geochemical sampling and one diamond drill

hole. This work led to the discovery of scheelite mineralization at the Blue Lite and Flat Top Showings. Well mineralized tremolite skarn specimens from the Flat Top Showing assayed up to 8.4% WO_3, but most material graded below 0.04% (Churchill, 1980). No further work was done at either showing.

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

In summer 2006, ATAC staked 64 claims to cover the anomalous drainage. During the staking, a number of rock and soil samples were collected, many of which returned anomalous values for tungsten and a few were notably enriched in gold, lead, zinc, silver and copper. Cursory prospecting relocated scheelite-bearing tremolite skarn (Flat Top Showing) and discovered tungsten in diopside-actinolite skarn and highly fractionated intrusive rocks, about 1,500 m to the south.

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

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

Also in the summer of 2008, ATAC conducted geological mapping, prospecting, soil and stream sediment geochemical sampling, 3,423.21 m of diamond drilling in 18 holes and property-wide helicopter-borne magnetic variable time-domain electromagnetic (VTEM) surveys on the claims not covered by the Yankee Hat option agreement. Drilling identified three stacked, gold-bearing horizons in what is now known as the Tiger Zone (Dumala, 2009). The central horizon (Discovery Horizon) contains gold in iron carbonate replacement and hosts the most abundant mineralization. In 2008 grid soil sampling and stream sediment sampling was extended to the northwest. In response to positive results, ATAC added 1,340 claims to cover the favourable stratigraphy along the anomalous trend.

In 2009 ATAC continued to delineate the Tiger Zone with an additional 58 diamond drill holes totalling 9,578.30 m (Dumala and Lane, 2010). Drilling identified a significant oxide component to the northwest, within the Tiger Deposit. Prospecting in 2009 also identified several new showings containing mineralization similar to that found at the Tiger Deposit. These include the Cub, Lion, Jaguar, Panther, Cougar, Puma, Cheetah and Lynx Showings.

In 2010 ATAC continued definition drilling at the Tiger Zone resulting in the completion of a mineral resource estimate of the sulphide and oxide horizons (Stroshein et al., 2011). Results of the resource estimate using a 0.3 g/t gold cut off yield an indicated resource estimate of 508,000 ounces of gold (7,150,000 tonnes at an average grade of 2.21 g/t) and an inferred resource estimate of 290,200 ounces of gold (8,280,000 tonnes at an average grade of 1.09 g/t) for the oxide and sulphide horizons combined.

Prospecting at the geochemically anomalous Ocelot Showing in 2010 resulted in the discovery of high grade Ag-Pb-Zn massive sulphide mineralization. Grab samples from this area included 2,100 g/t Ag, 55.33% Pb and 62 g/t In (Dumala, 2011).

In 2011 ATAC drilled 19 holes totaling 3,784.75 m at the Ocelot target beneath a known but previously undrilled surface gossan. The best grade intervals yielded 145.43 g/t silver, 3.36% lead and 11.65% zinc across 41.72 m and 188.07 g/t silver, 8.69% lead and 6.06% zinc over 37.91 m in semi-massive to massive sulphide mineralization. Drilling by the end of the 2011 season identified mineralization over a 230 m strike length and to a depth of 150 m. (Dumala, 2012a).

Also in 2011 ATAC drilled 10 holes totaling 2,113.2 m of diamond drilling at the Now Showing (3 holes), Puma Showing (2 holes), Cheetah Showing (3 holes), and Kathy Showing (2 holes). Weakly anomalous gold, silver, lead and zinc values were intersected in one Now drill hole. Puma and Cheetah drilling intersected weak gold mineralization; while Kathy drilling intersected no significant results (Dumala, 2012b).

In 2012 ATAC completed metallurgical testing, heritage resources assessment and ongoing environmental monitoring in relation to the Tiger Deposit (Carne and Lane, 2013). ATAC also completed mapping, geochemical sampling, prospecting and hand trenching on portions of the Rau trend in 2012 (Lane et al., 2013).

In 2013 1,229 soil and 348 rock samples were collected in seven target areas in the Rau Trend. This exploration focused on assessing gold potential at known mineralized showings and geochemical targets. Emphasis at the mineralized targets was directed to follow up of geochemical anomalies that occurred in proximity to receptive stratigraphy (Lane and Phillips, 2014)

In 2014 ATAC also conducted a small hand pitting and mapping program at the Puma Zone, as well as contour and grid sampling in the central region of the property. Samples collected at Puma returned values ranging from below detection limit to a maximum value of 4.21 g/t Au. The mineralized rock samples supported the hypothesis that the gold at the Puma target may be sourcing from the Puma fault. No significant gold values were returned from the soil sampling program, while arsenic values ranged from below detection limit to a maximum value of 4,310 ppm (Lane and Phillips, 2015).

Also in 2014 ATAC released a maiden Preliminary Economic Assessment (PEA) on the Tiger Deposit. The technical report (Kappes et al., 2014) should be reviewed for details of this PEA.

In 2015 ATAC conducted a program of grid/contour soil sampling, prospecting, and diamond drilling. Notable hand samples collected during 2015 prospecting included a 5.02 g/t Au from Cheetah and a 2.60 g/t Au sample from Panther. Diamond drilling in 2015 had multiple objectives including: exploration, infill, geotechnical and water monitoring hole installation. A total of 1,814.23 m were drilled in the Tiger (18 holes) and Puma (2 holes) zones. Puma zone exploration drilling confirmed the presence of oxide development within the local host rock and revealed karst development. The highest grade interval from the program returned a value of 1.45 g/t gold over 3.05 m in PM-15-004 (Lane and Phillips, 2016).

An updated Mineral Resource estimate and PEA was completed by ATAC in 2016 that incorporated 2015 diamond drilling. Mineral resources were reported using 0.5 g/t gold and 1.0 g/t gold cut-offs for oxide sulphide mineralization, respectively. The Tiger Deposit contains an estimated 485,700 oz gold in the measured and indicated categories (5,680,000 tonnes grading 2.66 g/t gold) and 188,500 oz gold in the inferred category (3,230,000 tonnes grading 1.81 g/t gold). The technical report (Ghaffari et al., 2016) should be reviewed for details of the updated Mineral Resource and PEA.

In 2016, ATAC completed additional geochemical sampling, and 466.33 m of Rotary Air Blast (RAB) drilling at the Airstrip and Bengal anomalies. Three of the seven RAB holes at the Airstrip Anomaly returned significant intervals including: 1.04 g/t Au over 6.10 m in hole ASR-16-004; 3.68 g/t Au over 1.52 m in hole ASR-16-005; and 1.43 g/t Au over 13.71 m in hole ASR-16-006. While no anomalous gold was intersected in the holes at Bengal, an elevated zinc response was detected in pyritic shale. A LIDAR surveys near the Tiger Deposit, Airstrip Anomaly and several creek crossings along the proposed Rau Tote Road route was also completed in 2016.

In 2017 ATAC completed 1,371.29 m of diamond drilling in 12 holes at the Tiger Deposit (Dumala, 2018). This work demonstrated the potential to expand high-grade oxide gold mineralization along the Tiger Fault to the southeast. Drilling at Tiger East highlighted the potential for mineralization along the southeastern edge of the limit of the proposed pit. Additionally prospecting along trend of the Tiger Deposit identified multiple new and existing targets. Highlights of this work include results from the Northwest Target area where peak values of 2017 grab samples yielded 1.43 g/t gold and 4.14% zinc; and the Condor Showing where peak values of grab samples returned 17.0 g/t gold with 378 g/t silver.

GEOMORPHOLOGY AND CLIMATE

The core portion of the Rau Project is situated in the Nadaleen Range of the Selwyn Mountains and is drained by creeks that flow into the Rackla and Beaver Rivers, which are both part of the Yukon River watershed. Local topography is alpine to subalpine and features north and south-trending rocky spurs and valleys that flank a main east-west trending ridge. Elevations range from 725 m alongside the Beaver River in the centre of the claim block to 1,800 m atop a peak, referred to as Monument Hill. Outcrop is most abundant near ridge crests and in actively eroding creek beds. Most hillsides are talus covered at higher elevations and are blanketed by glacial till at lower elevations. Soil development is moderate to poor in most areas.

Treeline in the vicinity of the property is at about 1,500 m. Slopes above that elevation are weakly vegetative with willow, buckbrush and grass. The density and size of vegetation gradually increases on lower slopes, and the valley floors are well treed with mature black spruce. Understorey typically consists of low shrubs and moss. Moderately steep, south facing slopes are well drained and are often lightly forested with poplar. Steep, north facing slopes are usually not vegetated. Gentler, spruce- and moss-covered terrain likely exhibits widespread permafrost.

REGIONAL GEOLOGY

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

The Rau Project lies within a band of regional-scale thrust and high angle reverse faults that imbricate rocks of Selwyn Basin and Mackenzie Platform (Figures 4, 5 and 6). Selwyn Basin stratigraphy consists of regionally metamorphosed, basinal sediments of Neoproterozoic to Paleozoic age. Mackenzie Platform stratigraphy comprises dominantly shallow water carbonate and clastic sediments that were deposited from Mid-Proterozoic through Paleozoic times. Both packages of sediments were deposited on the western margin of ancestral North America.

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

The regional scale Tombstone, Dawson and Robert Service thrust faults in addition to a number of smaller scale thrust faults affect stratigraphy along the trend of the Rau Project. All thrusts verge northeasterly and predate emplacement of the Tombstone Suite intrusions. The thrust panel that contains the Rau Project approximately straddles the boundary between Selwyn Basin and Mackenzie Platform and includes units belonging to both tectonic elements. Table I contains a brief summary of the main lithologies in the area of the Rau Project.

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

Tectonic Element	Age (Ma)	Unit and Lithologies
Rocks of Ancestral North America		
Mackenzie Platform	1700 - 1800	Gillespie Lake Group: orange-brown dolostone and sandstone.
Mackenzie Platform	540 - 390	Bouvette Formation: white and grey limestone with rare black shale.

Mackenzie Platform	540 - 420	Marmot Formation: dark green to brown mafic, vesicular and amygdaloidal volcanic flows.
Selwyn Basin	750? - 530	Hyland Group: brown quartz-mica schist, with rare limestone.
Selwyn Basin	530 - 500	Gull Lake Formation: brown and green shale, sandstone, conglomerate and volcanic tuff.
Selwyn Basin	500 - 480	Rabbitkettle Formation: dark silty limestone and limy mica-rich conglomerate.
Selwyn Basin	480 - 390	Road River Group: black shale, chert and limy siltstone.
Rock formed before orogenic event		
	390 - 350	Earn Group: black shale and chert with lesser pebble conglomerate, sandstone and grit.
	340	Keno Hill Quartzite: grey metamorphosed sandstone, minor black shale and phyllite.
Rocks formed during orogenic event		
	225	Galena Suite intrusions: brown and green diorite and gabbro.
	200 - 250	Jones Lake and Mt. Christie Formations: sandstone, brown shale and dark limestone.
Rocks formed after orogenic event		
	90 - 94	Tombstone Suite intrusions: granite and granodiorite.
	62 - 67	McQuesten Suite intrusions: granite with two types of mica.
Sediments younger than 3 Ma		
	0 - 3	Overburden: ice-deposited sand and gravel; river silt.

PROPERTY GEOLOGY

Only limited detailed geological mapping has been conducted within the Rau Project. Most work prior to 2018 focused within the favourable Bouvette Formation stratigraphy in close proximity to the Tiger Deposit. In 2018 detailed mapping was completed in the area of the Bobcat Target (Figure 7) and the area surrounding the Spotlight-Blue Lite Showings (Figure 8).

The Rau Trend lies within a northwest trending thrust package bound to the south by the Dawson Thrust and to the north by the Kathleen Lakes Fault. Property scale geology is illustrated on Figures 4 and 5. Stratigraphy within this package forms open folds that are aligned parallel to the thrusts and plunge gently to the southeast. Several high angle faults, which parallel the general structural trend, are inferred on the property and others could be present. One or more of these faults may have acted as a conduit for mineralizing fluids.

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

1) **Cambrian and Ordovician (COd)** – massive pale grey dolostone, oncolitic dolostone, minor quartzite and sandy dolostone.
2) **Ordovician and/or Silurian (OSl)** – thin to medium bedded grey and buff weathering silty limestone; massive white limestone, well bedded tan and grey limestone in the upper part of the unit.
3) **Silurian and Devonian (SDc)** – thick bedded to massive light grey dolostone and limestone. Dark grey, fetid limestone containing "two hole" and "star" crinoids at the top of the unit.

The thickness of the Bouvette Formation on the property is estimated to be at least 1,400 m. The primary focus of mapping to date has been limited to the area around Monument Hill and the Tiger Zone within the Ordovician-Silurian strata hosting carbonate gold replacement mineralization. Elsewhere the Bouvette Formation has not been mapped in detail and remains undifferentiated.

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

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

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

On surface, the Rackla Pluton is mostly covered by glacial till and only aplite and pegmatite sills and dykes are visible. The pluton is best delineated by its airborne magnetic signature. At the

property scale the pluton is represented by a strong magnetic high. When the data is collapsed to the area immediately surrounding the pluton and a high-pass filter is applied, the signature shows a core magnetic low with a fringing magnetic high.

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

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

MINERALIZATION

Several types of mineralization are known to occur on the Rau Project with the three most common being: 1) gold ± silver carbonate replacement; 2) silver – lead – zinc ± gold carbonate replacement; and 3) gold ± copper ± tungsten skarn.

The primary focus of sampling and prospecting during the 2018 program at and around the Puma-Panther, Condor, Spotlight-Blue Lite and Bobcat targets. A summary of the mineralized zones identified along the Rau Trend is presented below. Locations of the showings are presented on Figure 9.

Target	General Location	Commodity	Mineralization Style	Years worked by ATAC	Exploration Level by ATAC
Caracal	18 km NW of Tiger	Au	Quartz vein (?)	2012, 2013	soil sampling and prospecting
Discovered in 2013 while following up on **0.545 g/t Au** stream sediment sample collected in 2012. Contour soil sampling returned max values of **0.147 g/t** and **0.162 g/t Au**. Cover is extensive, so 2013 prospecting focused along ridges and incised gullies. Bedrock, where exposed, is dominated by shales and phyllites cut by milky white quartz veins that showed open space-fill textures. Prospecting returned numerous rock samples elevated for gold, the highest of which graded **2.97 g/t Au** in a chloritic-argillite cut by a rusty quartz veins. The absence of carbonates in the area suggests the source for the gold mineralization is most likely gold bearing quartz veins similar to the gold bearing quartz-boulangerite veins historically noted at the Now showing.					

Ocelot	14.5 km NW of Tiger	Ag, Pb, Zn	Carobate Replacement	2010, 2011	soil sampling, prospecting, IP survey, diamond drilling,
The Ocelot Showing (also referred to as EL) is marked by a 110 m long by 25 m wide northwesterly oriented gossan that parallels a topographic linear. Mineralization collected at surface is most pronounced in a kill zone 400 metres northwest, which originates at a weakly flowing spring. The gossan is predominately dolomite rubble cemented by iron oxides and is surrounded by buff to orange weathering dolomite and limestone. 4,891 m of diamond drilling completed in 24 holes in 2010 and 2011. The most significant interval was in **OC-11-11, which returned 188.07 g/t Ag, 8.69% Pb and 6.06% Zn over 37.91 m.** Mineralization occurs within a thick sequence of intensely dolomitized limestone containing narrow volcaniclastic beds. Sulphide mineralization (pyrite+sphallerite+galena+/-tetrahedrite) is hosted within a steeply dipping northeast trending horizon. Drilling has tested a total strike length of 470 m with mineralization intersected over a strike length of 230 m.					
Now	10 km W of Tiger	Au, Ag, Pb, Zn	Quartz vein (?) Carbonate Replacement (?)	2010, 2011, 2015, 2017	soil sampling, prospecting, diamond drilling,
The Now Showing is situated within a pronounced northwest trending gully. Little outcrop is exposed but abundant float occurs along more than 400 m of the gully. Lead, zinc mineralization was first discovered in 1969 by Cominco. Gold, lead and zinc mineralization was identified through work in the late 1970's including: a rock sample collected from a hand pit graded **74 g/t Ag, 2.15% Pb and 790 ppm Zn**; two samples of quartz rubble containing boulangerite were retrieved from a partially completed trench and returned results including **39.43 g/t Au, 581.49 g/t Ag, 23.26% Pb**. Historic drilling returned **1.51 g/t Au, 54.5 g/t Ag, 2.74% Pb and 5.26% Zn over 0.5** m from an interval of boulangerite and sphalerite in a narrow quartz vein. 3 holes drilled by ATAC in 2010 was unsuccessful and in 2011 three holes targeted gold bearing veins exposed in historic trenches and oxidized dolomite beneath a shale layer. Drilling intersected shale overlying dolomite which contained weak gold values. Hole NW-11-04 was moderately oxidized to approximately 50 m and intersected weakly anomalous gold, silver, lead and zinc values. Weak to intensely chlorite altered diopside skarn intervals were seen towards the bottom of holes NW-11-05 and NW-11-06. One rock sample collected in 2017, 300 m east of the historic trenches returned 5.56 g/t Au and 213 g/t Ag in quartz vein crackle breccia.					
Northwest Target Area	9.8 km NW of Tiger	Au, Zn	unknown	2010, 2012, 2017	soil sampling, prospecting
The Northwest Target Area is a broad 7.5 km^2 forested area. Prospecting has been limited due to poor exposure. Grab samples collected in this target area in 2017 yielded peak values of **1.43 g/t Au and 4.14% Zn**.					
Lynx	5 km NW of Tiger	Au, Pb, Zn	Carbonate replacement (?)	2009, 2010	soil sampling, prospecting
The Lynx showing consists of isolated limonite float which returned **0.24 g/t Au, 7,290 ppm As, 789 ppm Pb, and 5970 ppm Zn** within a limestone talus field. This showing is located on the opposite side of the valley as the Cheetah Showing. A sampled collected 700 metres east of the Lynx showing returned a value of **1.45 g/t Au**.					
Serval	5.8 km NW of Tiger	Au, Ag, Pb, Zn	Carbonate Replacement	2010, 2015	soil sampling, prospecting

The Serval target is located on a ridge top. Samples of variably silicified limonitic oxide float occur in association with an area of intense calcite flooding proximal to a fault that prominently offsets stratigraphy. Gold values from hand samples collected in proximity to this fault in 2015 returned a peak value of **1.44 g/t Au**.					
Cheetah	5 km NW of Tiger	Au	Carbonate Replacement	2009, 2010, 2015, 2017	soil sampling, prospecting, diamond drilled
The Cheetah Showing is defined by a 500 m long by 100 m wide float train extending up a south facing slope to a ridge which is cut by a northeast trending linear. This linear has been traced for approximately 30 m to the northeast until becoming buried in limestone talus. A sample of a purple brown, goethite rich boxwork limonite collected from this area in 2009, returned **3.06 g/t gold**. 6 holes were drilled at the target in 2010 with several of which intersected a steeply dipping oxidized zone corresponding to the surface linear. While all of these intersections yielded low-grade gold mineralization, the most significant intersection came from **CH-10-04 and graded 1.29 g/t Au over 16.90 m.** In 2011 three holes were drilled and intersected intensely oxidized intervals within the dolomite. The oxidized intervals had an average width of 25 m with a composition ranging from partially oxidized dolomite to limonite rich mud. The most significant intersection from drilling was from hole **CH-11-07 which graded 1.11 g/t gold over 13.72 m.** In 2017, prospecting was conducted along float trains and northeasterly-trending structures. An oxide float sample collected during this program returned **2.00 g/t gold and 1.29% zinc.**					
Puma	4.3 km NW of Tiger	Au, Ag	Carbonate Replacement	2009, 2010, 2011, 2013, 2014, 2015, 2017, 2018	Soil sampling, prospecting, mapping, hand trenching, diamond drilling.
The Puma Target has a geochemical signature similar to Tiger in terms of size and gold and pathfinder element enrichment. Work at Puma in 2009-2011 focused around a prominent fault cutting a dolostone package which contained gold bearing oxide material. Six goethite or goethite-rich limonite samples collected in 2009 returned gold values greater than 1.0 g/t including a **peak value of 18.45 g/t Au**; while four samples returned silver in excess of 100 g/t to a maximum of **241 g/t Ag**. This fault, thought to be controlling the mineralization, was tested in two drill holes - PM-11-01 and PM-11-02. Both holes intersected creamy dolomite cut by a strongly oxidized but healed fault. The best result from this drilling returned **3.9 m of 0.75 g/t Au in PM-11-02**. Detailed mapping of the Puma target was performed in 2013. This work identified the same limestone, dolostone and volcaniclastic units that occur at the Tiger Deposit and noted two distinct generations of faults. The first fault generation shows a northerly orientation which in plan view sinisterly displaces the dolostone-volcaniclastic contact. The second generation, informally referred to as the Puma fault, has a west-northwesterly orientation which dextrally displaces the dolostone-volcaniclastic contact. Prospecting performed at the Puma target in 2013 revealed an area of notable gold enrichment where the dolostone-volcaniclastic contact is cut by the Puma Fault. Follow up prospecting hand pitting and trenching in 2014 returning values of up to **4.21 g/t** Au, seemingly sourcing from the Puma fault. In 2015, two diamond drill holes were drilled to test both the Puma fault and faults that offset the Puma fault. Both holes encountered significant intervals of oxide development, but were largely unmineralized. The highest grade interval from the program returned a value of **1.45 g/t gold over 3.05 m.** In 2017, the existing soil sample grid was expanded. Weakly to moderately anomalous gold-in-soil was identified within this expansion, including values of **124 and 115 ppb gold.** In 2018 a grid of hand pits was dug in an area east of the main showing with a strong gold-in-					

soil response and limited follow up work. No significant results were returned.

Cougar	3.5 km NW of Tiger	Au, Bi, Ag, Pb, Zn	Carbonate Replacement	2009, 2010, 2013	Soil sampling, prospecting

The Cougar Showing is located in a north facing cirque. Mineralized float is found in a gully which stretches approximately 600 m from the base of the slope to the ridge then continues over the ridge and into the valley to the southeast. Cobbles of dense rusty limonite with rare blebby bismuthinite and galena in quartz occur in a talus field comprising mostly limestone with volcaniclastic material to the east and west. Mineralized float becomes more concentrated near the ridge, although no outcrop was located. A number of samples collected from this float train produced elevated **gold (1.57 g/t and 3.13 g/t)** and **silver values (483 g/t)**. Three samples taken near the ridge yielded greater than **1% Bi**; however, these samples were only slightly elevated for other elements of interest. Four samples yielded greater than 10% Pb with a peak of **35.7% Pb**, while most samples contained below 5,000 ppm lead other than the **1.57 g/t gold sample which contained 19.4% Pb**.

Panther	3 km Northwest	Au, Bi, Ag, Pb, Zn	Carbonate Replacement	2009, 2010, 2015, 2017, 2018	Soil sampling, prospecting, diamond drilling

The Panther Showing is situated on a ridge where limonite float was found within a north northeast trending recessive linear feature that marks the contact between limestone to the south and volcaniclastic to the north. In 2009 a sample containing 5.72 g/t Au, 5.01 g/t Ag, and 1070 ppm Zn was collected. Two diamond drill holes targeted the recessive linear. Though observations from drill core suggest that it was not intersected - no significant mineralization was returned. A specimen collected from this area in 2017 returned **8.18 g/t Au, 16.1 g/t Ag, 199.5 ppm Bi, 295 ppm lead and 857 ppm Zn.** Additional Limonitic float was also found uphill, to the west but to date, the source of mineralization has not yet been located. Results of limited prospecting in the Panther area conducted in 2018 included a sample returning 4.61 g/t Au northeast of the main showing.

Jaguar	2.5 km NW of Tiger	Au	Carbonate Replacement	2009, 2010, 2015	Soil sampling, prospecting
The Jaguar Showing is located on a grassy spur. Float samples collected generally consisted of dense, rusty purple, goethite-rich limonite with rare patches of quartz. Two samples taken from this showing in 2009 returned **1.57 g/t and 2.81 g/t Au**. Prospecting 350 m west of this area in 2015 revealed a northwest trending linear located directly beneath a gossanous exposure. Float samples of oxidized limestone collected in this area in 2015 returned gold values between up to **2.55 g/t Au**.					
Condor	1.5 km NW of Tiger	Au, Ag, Zn	Carbonate Replacement	2010, 2015, 2017, 2018	Soil sampling, prospecting, VTEM, diamond drilling
The Condor target was originally identified by a ZTEM geophysical survey and is located 1.5 kilometres northwest of the Tiger deposit. In 2010, prospecting grabs of an oxidized breccia returned values up to **1.5 g/t Au**. Six diamond drill holes followed up these results targeting the projected ZTEM geophysical anomaly at depth. All of the holes intersected limestone and dolomite with narrow volcaniclastic intervals. Only thin intersections of oxide were encountered. No significant mineralization was encountered. It is believed that this drilling did not adequately test the favourable structures. In 2015, a small prospecting program conducted in the vicinity of the Condor target confirmed the presence of limonitically altered limestone with anomalous gold values. However, the highest gold value returned from the sampling was 0.13 g/t gold. Results of oxide float samples collected during follow-up prospecting in 2017 yielded strongly anomalous values for multiple elements, including **17.0 g/t gold with 378 g/t silver, 9.46 g/t gold, and 1.2% zinc.** Work in 2018 focused on a 100 m wide vegetation anomaly located upslope of the 2017 samples. Handpits were excavated on a grid pattern across the vegetation anomaly and a variety of samples containing strongly oxidized sulphides hosted in dolostones and volcanic rocks were encountered. Highlight results from pit samples include 1.85 g/t Au with 103 g/t Ag, 133 g/t Ag, and two samples yielding 37.49 % and 36.51% Zn. Condor is situated in a similar stratigraphic and structural environment to the Tiger Deposit, with a series of carbonate horizons interlayered with volcanoclastic flows. Mineralization at Condor is thought to have developed at the structural intersection of a regional scale northwesterly trending strain zone with a northerly trending brittle fault zone.					
Airstrip Anomaly	6 km SE of Tiger	Au	Unknown	2015, 2016	Soil sampling, Prospecting, RAB drilling
The Airstrip anomaly was discovered in 2015 through the extension of the soil sample grid southeast from the Bengal zone. The Airstrip anomaly is east of the Bengal Zone, approximately 5.5 km long, and overs a total area of 11.5 km^2. The anomaly is open to extension in the south, west and north directions. Soil samples defining the anomaly range from below detection to **1.03 g/t Au** in soil. The terrain at the Airstrip anomaly is composed of gentle slopes to valley bottom, with approximately half of the anomaly located within an old burn. In 2016, the soil sampling grid was extended and RAB drilling was completed in the vicinity of a cluster of anomalous gold in soil results on the Airstrip anomaly. Prospecting hand samples returned a maximum value of **0.72 g/t Au**. First pass mapping began to delineate the rock units in the area, but both this and the prospecting were limited by the amount of outcropping exposures. Soil sampling expanded the 2015 grid southeast and confirmed that the Airstrip anomaly is strong and open to the north, south and west. RAB drilling of two priority anomalies yielded promising results in three of seven total holes. The best RAB drill results were from hole **ASR-16-006 which returned 3.75 g/t Au over 3.05 m** and an additional interval of **1.43 g/t Au over 13.71 m.**					
Lion	750 m west of Tiger	Au, Zn	Unknown	2009, 2010, 2017	Soil sampling, prospecting

Lion was defined when two rocks samples collected in 2009 returned values of **1.3% and 1.1% Zn**. Grid soil sampling was conducted in 2013 to test whether anomalous soil samples flanking Tiger Creek truly defined an area of mineralization or were merely a feature of downstream dispersion from the Tiger Deposit. While most samples returned values for gold below 0.05 ppm, one sample returned **0.17 g/t Au.** This sample was located on the western most soil line approximately 150 m east of the creek. These results suggest that the generally higher grade gold-in-soil anomaly at the Lion target is related to downstream dispersion and lateral overflow deposition from stream sediments sourcing from the Tiger deposit. Prospecting in 2017 identified six close-spaced, northerly trending, oxidized siderite veins in talus, sub-crop and outcrop. Samples yielded weak gold values, with a peak of **0.15 g/t Au.**					
Kitty	1 km NW Tiger	Au	Unknown	2010	soil sampling, ZTEM, diamond drilling
Kitty is a geophysical target located 1 kilometre northwest of the Tiger deposit. It has seen limited prospecting and soil sampling, but one diamond drill hole was drilled in 2010. The hole targeted a north trending structure identified through interpretation of ZTEM geophysical data. The drill hole intersected limestone and dolostone with narrow volcaniclastic intervals, but no significant mineralization was encountered.					
Tiger	-	Au, Ag, W, Zn	Carbonate Replacement	2007, 2008, 2009, 2010, 2011, 2015, 2017	soil sampling, prospecting, mapping, diamond drilling
The Tiger Zone is the most well understood target in the Rau Property. It is a thick northwesterly trending body of carbonate replacement style gold mineralization hosted by a moderately northeast dipping horizon. It is currently 700 m long, 100 to 200 m wide and up to 96 m thick. The geometry of the mineralized system is defined by a series of stacked and folded limestone horizons intercalated with locally extensive mafic flows and volcaniclastic units. Mineralization at Tiger has seen the most extensive exploration work, up to and including two Preliminary Economic Assessment (PEA) reports released in 2014 and 2016.Gold occurs in both sulphide and oxide facies mineralization in the Tiger Deposit. Sulphide mineralization takes place in limestone that is replaced by iron-rich dolomites and iron carbonate minerals. The mineralizing sulphide phase is dominated by pyrite and arsenopyrite, with a non-sulphide component of carbonates (dolomite, ankerite, and calcite, and minor quartz. Gold occurs as both solid solution within sulphides and as discrete mineralization. The main sulphide minerals exhibit at least three stages of mineralization. Oxide mineralization ranges from competent, weakly porous limonitic mud to rubbly porous limonitic grit. Complete oxidation extends up to 150 m from surface. The highest-grade and deepest oxidation occurs where northerly trending extensional faults intersect the northwest trending regional shear structure. The Upper Tiger Zone consists of sulphide mineralization located above the amygdaloidal Volcanic Unit C. In present diamond drill hole intersections, this zone appears to be analogous to the rich Tiger Deposit sulphide horizons. Mineralization here is 4-11 m thick with coarse-grained arsenopyrite, pyrite, and white ankerite. The top and bottom contacts of the Upper Tiger Zone abruptly transition to a white marble. Increased drill hole density is warranted to test its addition to the existing resource. Additional mineralization includes an area of quartz-associated pyrite that overprints all earlier phases including Tiger Deposit-style mineralization. Mineralization at the Tiger Deposit remains open to extension along strike and down dip at both ends of the known zone, as well as at depth across a normal fault that locally defines the southwest margin of the favourable structural corridor.					
Cub	575 m east of Tiger	Au, Ag, Bi, W, Zn, Cu	Carbonate Replacement	2009, 2010, 2017	soil sampling, prospecting
The Cub Showing occurs 575 m to the east of the Tiger Zone. Mineralized float was found in a 110 m					

wide by 250 m long area on a south facing talus covered slope. The showing coincides with a strong bismuth-in-soil anomaly (>200 ppm). In 2017, prospecting grab samples south-west of the Cub target returned anomalous values for multiple elements, including **4.6% Cu with 12.7% Zn, 43.6% Zn with 3.2% Pb and 157 g/t Ag, and 6.2% Zn with 11.5% Pb and 157 g/t Ag.**					
Hogs Back	2 km SE of Tiger	Au, Cu, W	Skarn	2006, 2007, 2008, 2009	soil sampling, prospecting
The Hogs Back Showing is exposed on the north and south side of a northwest trending gully. It was first identified in 2006 and followed up in 2007. The showing consists of three actinolite skarn layers occurring conformably within a portion of the Bouvette limestone sequence. Mineralization comprises finely disseminated to patchy pyrrhotite, pyrite and lesser chalcopyrite. Marbleization of the surrounding limestone is variable but extends up to 5 m in areas. The skarn layers have been traced to the northwest for over 750 m and vary in thickness from 0.3 m to 6 m, averaging 0.8 m. The thickest and best mineralized exposure occurs at the southeast edge of a crosscutting drainage before disappearing to the southeast beneath cover. In general the exposed skarn horizons appear to thin to the northwest. The two thickest packages of mineralization appear proximal to a pair of southwest striking, quartz muscovite pegmatite dykes. The northwesterly dyke is one metre wide and exposed along strike for only two metres, while the dyke to the southwest is three metres wide and exposed for ten metres. No direct contact was observed between the dykes and the skarns. Select rock samples collected from this showing in 2006 and 2007 yielded peak values of **4,010 ppm W** and **1.24 g/t Au** from the north side of the showing. A single diamond drill hole WAU-08-003 tested this showing in 2008; however, it was collared too far forward to test the skarn mineralization.					
Flat Top	2.5 km NE of Tiger	Au, W	Skarn	2007, 2008, 2009	soil sample, prospected, diamond drilled
The Flat Top Showing occurs along the contact between the Bouvette Formation limestone and Earn Group shale strata. The showing is marked by approximately coincident, moderately to strongly anomalous gold, copper and tungsten soil geochemical values over an approximately 600 m long and up to 300 m wide area. Scheelite in tremolite skarn was first found at this locale in 1979 by Prism. Prospecting in 2009 traced skarn mineralization around the nose of the ridge for 400 m. Four types of skarn mineralization occur across a stratigraphic thickness of about 40 m. The first, found immediately above the limestone/shale contact, occurs as felted to radiating masses of acicular tremolite/actinolite or wollastonite/actinolite localized in a band that ranges from a few 10's of cm to a few metres thick. The second, found within unaltered carbonate rock, are masses of tremolite mixed with calcite found in 0.5 mm to 2 cm thick veinlets. Thirdly, an iron rich skarn consisting of coalescing aggregates of radiating acicular masses of tremolite/actinolite preferentially replaces the host carbonate. Rare interstitial green tourmaline or vesuvianite, calcite and quartz also occur with this skarn type. Finally extending upward from the contact is the most iron rich species. It contains felted masses of light green actinolite with local black tourmaline, biotite books, light grey to smoky quartz and patches of massive medium brown limonite. Prism Resources reported rock samples assaying up to 8.38% WO3 but most samples collected from the area grade less than 0.04% WO3. One sample consisting of a quartz fragment surrounded by green actinolite with black tourmaline and traces of pyrrhotite returned **0.127 g/t gold**. A single diamond drill hole tested the area in 2008 but it was collared too far downhill and only intersected shale belonging to the Earn Group.					
Ridgecrest	3 km SE of Tiger	Au, W	Skarn	2007, 2008, 2017	soil sampled, prospected

The Ridge Crest Showing, located on the southwest margin of the Rackla Pluton, was discovered in 2009 while following up a gold-in-soil anomaly (990 ppb) within the 2007 soil sample grid. A 70 cm deep hand pit dug at this location revealed mainly glacial till and grey limestone fragments. Two cobbles of rusty dark green pyroxene skarn and several oxidized skarn fragments were also extracted from this pit. Samples of the skarn yielded 0.02 g/t gold and 850 ppm tungsten. 15 metres west of this hand pit a dyke containing equigranular, coarse grained white to smoky quartz and minor muscovite with occasional patches of chlorite and trace fine grained sulphides was identified, while a float sample collected nearby returned 1,060 ppm tungsten. A soil sample grid expansion at the Ridge Crest showing in 2017 yielded weakly anomalous results, with values up to 57 ppb gold and 27 ppm silver.					
Blue Lite	5.5 km NE of Tiger	Au, Cu, W	Skarn	2009, 2015, 2017, 2018	soil sampled, prospected, historically diamond drilled
The Blue Lite Showing, first discovered by Prism in 1979, is a scheelite tremolite skarn that is well exposed on a cliffy outcrop on the north side of a prominent peak. Mineralization consists of scheelite as disseminations with massive pyrrhotite and minor chalcopyrite. The skarn horizon disappears under talus to the east and grass to the west. The Blue Lite Showing is located along a high angle normal fault that dips to the south. This fault marks the contact between Devo-Mississippian clastics to the north and Devonian to Jurassic clastics to the south. Three samples collected in 2009 returned greater than **0.10% W** with a peak of 0.34%. Most of the other samples ranged from **200 to 950 ppm W**. Gold values were generally all below background. Contour soil sampling conducted in 2010 identified a 200 m long gold-in-soil anomaly coincident with the mapped location of the Blue Lite skarn horizon. Prospecting in 2013 was directed to the skarn horizon with emphasis placed on the characterization of the gold bearing potential of the horizon. Rock samples of oxidized skarn material collected in the vicinity of the gold-in-soil anomaly returned up to **2.18 g/t Au**. In 2015, one day was spent soil sampling at Blue Lite. Contour soil sampling located a small spot anomaly with samples returning values up to **0.216 g/t gold**, as well as one grab sample of skarnified material with sphalerite and minor pyrrhotite that returned a value of 0.4 g/t Au and 0.1% copper. In 2016, 26 rock samples were collected during one day of prospecting. These rock samples graded from below detection limits to a maximum of **0.57 g/t Au**, with three other samples at above **0.29 g/t Au**. All higher grade samples were taken from quartz-rich or decalcified float.					
Spotlight	6.2 km NE of Tiger	Au, Ag, Cu, Sn	Skarn	2017, 2018	soil sampled, prospected, mapped
The Spotlight target has seen only limited prospecting following up on a gold-, and arsenic-in-soil anomaly. Grab samples collected from this target in 2017 returned up to **3.27 g/t gold, 7,080 g/t silver, and 0.8% copper**. Soil sampling in 2018 extended the gold-in-soil anomaly to over 2 km in length. Prospecting grab samples collected in 2018 returned up to 2.17 g/t gold, 4090 g/t silver with 4.9% lead, and 1765 g/t silver. Geological mapping was also undertaken in the spotlight area in 2018.					
Kathy	4.5 km E of Tiger	Au, Ag, Pb, Zn	Skarn	2009, 2011	soil sampled, diamond drilled
The Kathy Showing comprises a 40 m wide by 30 m long brick red gossanous ferricrete slab situated downhill of a thrust fault that places Earn Group shale, to the south, over Bouvette Formation carbonates to the north. It is believed that the gossan is formed by fluids traveling along this thrust fault. Soil samples collected by Prism in 1978 returned silver values between 0.08 g/t and 25 g/t, lead values ranging from 32 to 90 ppm and zinc values ranging from 95 to 3,900 ppm. Results for other elements were not reported. In 2011, two holes targeted the source of the gossan identified by Prism in 1977. Drilling at the Kathy Showing intersected dolomitized limestone. Sporadic intervals of cream coloured dolomite with hairline fractures filled with black dolomite were located throughout both holes.					

Narrow skarn bands and quartz feldspar porphyry were scattered throughout both holes. No significant mineralization was encountered. In 2015, sections of the Kathy drill core that were not split an assayed in 2011 were reexamined and subsequently split and sent for assay. A sample grading **1.01 g/t gold over 3.05 m** was returned, while all other samples did not contain any significant mineralization.					
Bobcat	4.5 km SE of Tiger	Au, Ag, Cu, Pb, Sn	Skarn	2010, 2012, 2018	soil sampled, prospected, mapped
The Bobcat target has seen limited prospecting following up on gold-in-soil anomalies in the area. Intrusion-related skarn and vein mineralization with grades from below detection up to **13.7 g/t Au**, **1,090 g/t Ag**, **1,920 ppm Cu**, **11.9% Pb** and **10.9% Sn** were collected from mineralized rock samples from 2010 to 2012. In 2018, detailed mapping, prospecting and hand pitting was carried out in the main Bobcat target area. The existing soil grid was also extended north and east, identifying further areas of gold, silver and copper anomalism. Hand pitting was focused on a 20x20 m area of limited vegetation cover where high grade samples were collected in 2010. Results of pit sampling included a sample returning 6.07 g/t gold with 157 g/t silver and 7.41% copper, as well as multiple samples with elevated gold and copper values. Prospecting also identified a sample 200 m north-east of the main bobcat showing which returned 9.53 g/t gold.					

TARGET SPECIFIC GEOLOGY AND MINERALIZATION

Many areas of focused geologic interest occur on the Rau project as a result of soil sample anomalism and mineralized prospecting discoveries, though many of these discoveries have seen little to no detailed geological characterization. In 2018 fourteen days of geologic mapping were conducted at multiple targets in an effort to refine our understanding of the stratigraphy, structure and alteration that underlies areas of known mineralogical interest. This work was performed at the following targets: Bobcat, Spotlight-Blue Lite, Tiger, Condor, and Panther. Descriptions of geologic observations and possible controls to mineralization from each of these target are presented below. Locations of the target areas are presented on Figure 9.

BOBCAT

First pass detailed geologic mapping was completed at the Bobcat Target in 2018. Large outcrops and boulders that have been minimally displaced make up a slight topographic high at Bobcat in an area otherwise covered by scrub brush and trees. The rocks generally consist of northeast striking, southeast dipping variably skarnified limestone, marble, hornfelsed fine-grained siliciclastics and minor volcanic rocks. The age and correlation of the units below are based upon Abbot (1990) and Colpron et al. (2013) with descriptions pertaining to their appearance at the Bobcat Target defined below. Figure 7 presents the results of this mapping work.

Bobcat Stratigraphy

Earn Group - In the southeast portion of the map area in the Bobcat area a sequence of carbonate, variably carbonaceous shale and limestone conglomerate is correlated with the Earn

Group. These rocks are separated from the rest of the stratigraphy by and inferred normal fault that strikes northeast and dips towards the northwest.

The lowest member of the Earn Group within the Bobcat area consists of a very dark grey to black, almost sooty carbonate. Calcite crystals up to 2mm are found throughout the rock and it has a fetid, sulphurous odour when broken. The carbonates pass upwards into a package of variably carbonaceous to siliceous shale. The shale weathers a dark grey to bluish silver, and is very fine-grained. Locally the shale is rusty weathered, with disseminated pyrite common. Overlying the shale is another dark grey to black carbonate horizon, which quickly passes into a thick sequence of limestone conglomerate. The conglomerate is light grey to white weather, with clasts of grey to white carbonate, siliceous shale and black chert within a medium-grained recrystallized calcite matrix. Tremolite crystals up to several millimetres are found throughout the conglomerate.

Thickness of the Earn Group rocks in the Bobcat area is not known.

Tsichu (Carboniferous) - A mainly carbonate package found at the Bobcat occurrence is correlated with the Tsichu Group. These make up the bulk of the exposed rocks at Bobcat and are separated from Earn Group stratigraphy by an inferred normal fault. A minor component of the Tsichu includes grey to reddish weathered fine-grained arkosic sandstone and quartzite. Only two outcrops of these rocks were observed so their overall amount is unknown. They occur immediately northwest of the inferred fault, always next to a small exposure of dark grey, very fine-grained mafic to intermediate volcanic rock. Again, because of the lack of exposure, it is difficult to interpret the significance of the volcanic rocks in the area. It is likely they are a very minor component of the overall stratigraphy and may actually be sills emplaced at a later time.

The most abundant rocks correlated with the Tsichu are grey weathered, bedded, medium-grained, crystalline carbonate interbedded with grey calcareous mudstones. These are found throughout the area, northwest of the inferred normal fault. Bed thicknesses range from 5 cm up to over one metre. The carbonates show varying degrees of skarning and locally have abundant tremolite crystals throughout. Quartz, calcite, tremolite veins are common in these carbonates as are rusty weathered fracture surfaces.

Interbedded with the carbonate is a cream to white to yellowish weathered coarse-grained crystalline marble. The marble is mostly observed in the area closely within the main Bobcat occurrence, but do extend along strike to the northeast and southwest. When broken the marble has a sulphurous smell and is often crumbly in outcrop. Areas of less marbleization reveal that the marble is likely a hydrothermally altered variety of the grey carbonate. The contacts between the marble and carbonate are undulating, likely representing a fluid front that was more or less bedding parallel. A foliation is developed within the carbonate that gets obliterated within the marble.

Bobcat Structure

The lack of exposure makes a detailed structural interpretation difficult. Bedding orientation is generally northeast to southwest striking with dips mainly towards the southeast. A cleavage/foliation is developed within the rocks and is likely part of the overall regional deformation. Where observed the cleavage is bedding parallel, except in rare occasions where there is a good bedding/cleavage relationship which suggests some folding has occurred. This is supported by a change in the orientations of bedding that occurs at the southwestern limit of mapping and may indicate some folding within the units; however, not enough in place outcrop was available to evaluate the folds.

A limited number of faults were identified in the field that could be measured with any accuracy. An east-west striking fault is found at the northernmost mapped area. This fault expresses itself as a gully with no actual exposure but separates marble from grey carbonate with different orientations. Kinematics on this fault are unknown, but a small (10 cm thick) gouge zone in the marble has a thrust sense of motion and may indicate the larger structure is a thrust fault. A zone of gouge-like material is developed within the main Bobcat zone and abundant oxidized and mineralized material is found within. The significance of this zone is not known but may run along a northeasterly trend, linking high gold and copper soil geochemical samples.

A normal fault has been inferred to exist between the rocks correlated with the Earn Group and those of the Tsichu. There is no real evidence for this fault except the difference in stratigraphy. Regionally northeasterly striking normal faults do exist, separating similar stratigraphic levels.

Veining and fracturing is found throughout the area, yet with so little outcrop in place its difficult to get a good sense of the prominent orientations. A set of calcite, tremolite, quartz veins was found near the main Bobcat zone, striking southeast and dipping steeply towards the southwest. Other vein orientations include strikes of northwest and northeast.

SPOTLIGHT-BLUE LITE

The geology in the Spotlight-Blue Lite area is characterized by northwest striking, open to tightly folded packages of siliciclastic and carbonate sedimentary rocks of probable Mississippian to Triassic age. Many of the rocks are metamorphosed, showing characteristic hornfelsing and having locally abundant low pressure metamorphic minerals. It is likely that this metamorphism is the result of heat generated from a buried pluton.

The age and correlation of units is based upon Abbott (1990) and the subsequent re-compilation of the area's geology by Colpron et al., (2013). Stratigraphic units, observed metamorphism and a structural interpretation of the Spotlight-Blue Lite area are presented below while this information is presented graphically in Figure 8.

Spotlight-Blue Lite Stratigraphy

Earn Group (Mississippian) - Rocks correlated with the Earn Group in the Spotlight-Blue Lite area are found in the northern portion of the mapped area, underlying relatively gentle slopes, incised by steep creek cut. These rocks are dominated by dark grey to black weathered, grey to black fresh, carbonaceous shale and slightly more siliceous siltstone. The rocks are strongly cleaved and bedding is only visible where more siliceous and slightly laminated. A metamorphic isograd defined by the appearance of andalusite is found in the northernmost exposure of the shale. The andalusite ranges in size from less than one millimeter to several millimeters in length. The crystals are elongate, have a light greenish cast to them and show the characteristic cross pattern in cross-section. The crystals form in random orientation and clearly cross-cut all structural fabric. The andalusite becomes less abundant to non-existent in the more siliceous sections of the unit. One occurrence of dark grey weathered, fine-grained mafic volcanic rocks were observed. These outcropped along a broad ridge in the westernmost portion of the map area where most of the rocks were carbonaceous to siliceous black shale. The volcanic rocks are very fine-grained, massive and weakly to strongly magnetic. The contacts between the volcanic rocks and the shale were not observed, and it is possible that the volcanics are actually sills within the shale. Overall thickness of the Earn Group in this area is not known but must be on the order of several hundreds of metres.

Tsichu (Carboniferous) CT1 (Keno Hill Formation) - Interbedded with the Earn Group shales in the northern half of the mapped area is a thick package of Keno Hill Formation. The Keno Hill Formation is characterized, here, by rusty to dark grey weathered, dark grey fresh, fine-grained siliceous siltstone and shale. The unit is very resistant to weathering and forms large blocky talus slopes, differentiating it from the more recessive shale. It is thinly (10-15cm) to thickly (2-3m) bedded and only locally shows the effects of the regional foliation. Abundant pyrite is found throughout, mainly as very small disseminated grains, but occasionally can form wispy bands up to 5 mm in thickness. Limonitic and rusty brown weathering alteration of the pyrite coats nearly all bedding and fracture surfaces giving the unit its rusty weathered appearance. The unit has a high pitch ping when struck by a hammer, characteristic of hornfelsing.

CT2 - Unit CT2 is found in the southern portion of the Spotlight-Blue Lite area, faulted against rocks of the Earn Group and the Triassic Jones Lake Formation. It is characterized by dark grey, rusty weathered siliceous shale and siltstone that is less blocky and more foliated than CT1. Bedding in the unit is defined by the slight difference between shale horizons and slightly coarser-grained siltstone horizons that show a little less foliation formation. Like CT1 this unit has distinct hornfelsed characteristics such as being extremely hard and a tin like ring when hit with a hammer. The thickness of the unit is unknown, but must be on the order of several

hundreds of metres. It is likely that these rocks gradationally overly CT1, but this contact was not observed in the field. The unit is gradational with the overlying carbonate rocks.

CT3 - Unit CT3 is a mix of interbedded siliceous shale and siltstone from CT2 and overlying carbonate rocks. It is considered its own unit because it is regionally recognizable at the mapped scale. This unit is found in the southern portion of the map area, overlying CT2 and underlying the strictly carbonate units of CT3 and CT4. It is characterized by medium to thick bedded sections of siliceous, rusty weathered shale and siltstone, interbedded with dark grey fossiliferous carbonate and platy calcareous mudstone. Lower in this unit the siliciclastic rocks dominate, with only thin interbeds of calcareous material, and eventually pass upwards into dominantly carbonates. Thickness of this mixed unit varies, but is on the order of 100 meters.

CT4 - Unit CT4 is characterized by cream to yellowish, white weathered medium to coarse-grained marble. It overlies unit CT3 and underlies unit CT4 in the southern portion of the McQuesten Dome area. The unit is quite distinctive because of its colour and provides a good marker horizon for resolving the structural character of the region. The marble is comprised of recrystallized calcite crystals up to 2-3 mm in size and locally includes abundant tremolite crystals of varying size. Outcrops of the marble can be quite crumbly and have rounded weathered textures. When broken, the marble often has a sulphurous, fetid smell. Although quite laterally continuous, the marble may pinch out in the easternmost extent of the map area. Thickness of the marble varies between 10 to 50 metres.

CT5 - Unit CT5 comprises a thick section of thinly to thickly bedded carbonate mudstone, bioclastic limestone and limestone conglomerate. It is found in the southernmost portion of the map area, overlying the marble and mixed carbonate/siliciclastic unit. Fossils are common throughout the unit and in places whole beds consist of broken fossil fragments. Bedding is easily discernable, often defined by sections of more platy carbonate mudstone and thicker, blockier more massive carbonate. Conglomeratic beds are common, characterized by cobble sized, rounded carbonate clasts within a fine-grained carbonate matrix. A few rusty siliciclastic beds, up to several metres in thickness, are found near the upper portions of the unit. Thickness of this unit is unknown.

Jones Lake Formation (Triassic) - A seemingly fault bound package of quartz-arenite is found in the central part of the Spotlight-Blue Lite area comprising a resistant band of cliff forming, blocky weathered material. These rocks have been correlated with the Triassic Jones Lake Formation by Abbott (1990), based on fossils found within. It is unknown at this time if the fossils were found in the arenites, or within thin carbonate beds located below these rocks at the Blue Lite skarn location. The quartz-arenites are light grey weathered, light grey on the fresh surface and are fine to medium-grained. They are commonly laminated with alternating dark and light millimeter to centimeter bands. They are only locally rusty weathered, usually near mapped faults. Thickness of this unit is unknown.

Spotlight-Blue Lite Structure

The structural geology of the Spotlight-Blue Lite area is characterized by open to tight folds with southeast plunges, northwest-southeast striking, steeply dipping faults and northeast (?) verging thrust faults.

All units show some evidence of folding, exhibiting a well-developed, regional foliation that is likely axial planar to the folds. This foliation strikes mainly northwest at an azimuth between 295 and 320, but locally can dip slightly to the southeast with azimuths around 130. Refraction of the foliation is common, especially in the shale, where it will parallel bedding with dips a low as 40 degrees. Fold character changes depending on rock types, with open to tight folds developed in carbonate rocks and very tight folds developed within shales. Folds appear to plunge moderately towards the southeast. Folds are associated with regional-scale thrust faulting, the largest of these being the Dawson fault, located roughly 30 km to the south. Within the Spotlight-Blue Lite area, the only mapped thrust fault is found at the Blue Lite skarn occurrence, where Triassic rocks of the Jones Lake Formation are thrust over Mississippian Earn Group. It is assumed this fault is associated with Dawson fault deformation.

Several steeply dipping northwest striking faults were observed in the Spotlight-Blue Lite area. These were usually identified within topographic lows along ridges or linear features cutting down steeper slopes. No kinematics were obtained for any of these features. The largest zone is found in the centre of the map area and is comprised of several smaller linear features, all striking and dipping in the same direction. This zone is roughly 200 metres wide and appears to have significant offset as it separates Triassic rocks from Carboniferous rocks. Rusty weathering of rocks and significantly more oxidized material is found along almost all of these structures. These northwest striking faults run parallel to the Kathleen fault, a large regional-scale structure located only 10 km to the north. It is likely that the faults mapped in the Spotlight-Blue Lite area are associated with this larger structure.

Smaller-scale bedding parallel faults are common throughout the area, especially where finer-grained material is interbedded with thicker more competent units. These are likely related to flexural slip during folding and are not significant sources of stratigraphic offset. However, these may play a role in fluid migration and mineralization as several of them were observed to host strongly oxidized and altered material.

Spotlight-Blue Lite Metamorphism

One of the key elements to the work out at Spotlight-Blue Lite was to identify whether or not there was any surface expression of a buried intrusion, and if so, can it be related to the presence

of mineralization. It is very likely that there is a buried intrusion, based upon what was observed. The presence of andalusite in the Earn Group shale suggests contact metamorphism during low pressures and high temperatures assumed to be related to the presence of an intrusive body. The random orientation of the andalusite, and the fact that it cross-cuts all structural fabrics in the shale support this idea. Alteration and hornfelsing of the other rocks in the area also suggests the presence of a heat source with fluid migration, as does the presence of marble and abundant tremolite observed in the carbonate rocks.

TIGER:

A hypothesis was presented prior to the commencement of the 2018 field program that interpreted that the formation of marbilzation in the area of the Tiger Deposit was the result of deformation. An assessment of this theory was completed through several days of mapping in 2018. With a summary of these observations presented below.

Evidence for fold-associated deformation marble zones were not recognized in 2018 field assessment – though perhaps they are easier to see in core. Deformation marbles that were recognized were almost always bedding parallel zones folded with the rest of the stratigraphy. A few southeast striking, likely northeast verging faults interpreted as thrusts were observed, but these were observed as either being contained as bedding parallel features or were difficult to estimate their overall structural throw (perhaps a few hundred meters at most). At the current time these faults are interpreted to be related to the earlies deformation and are therefore offset by any later deformation (but not folded).

Most stratigraphy in the area of the Tiger Deposit could be traced from one ridge to the next, however, there was evidence for either thinning of units, pinching out of units or footwall cut-offs associated with thrust faults. Laterally discontinuous units and units that pass laterally into other units (especially from main Tiger ridge towards Condor) were also observed. Many of the volcanic units were observed as either pinching out or laterally transitioning into carbonate units.

CONDOR:

A limited amount of mapping was done in the vicinity of Condor due to the vegetation cover and lack of outcrop, however, several key locations were revisited to help constrain the potential Condor target and possibly explain why the wide spaced diamond drilling completed in 2009 and 2010 did not intersect mineralization associated with the Condor vegetation anomaly.

The first location visited was the main ridgetop saddle northwest of Condor where the Tiger Strain Zone outcrops (65 m wide). The location of their strain zone was then projected back towards saddle west of the Tiger Deposit. Assuming a steep southwesterly dip of 75 to 80 degrees to the structure, the Tiger Strain Zone would projects directly through the Condor target area with the northeasterly boundary of the strain zone roughly defining the top of the Condor vegetation anomaly.

The second location assessed was the top of the oxide float train at Condor. Structural measurements taken here were 340/80 SW, which is similar to northerly trending cross structures associated with high grade mineralized zones at the Tiger Deposit. This data suggests that Condor target may lie at the intersection of the Tiger Strain Zone and a northerly trending structural zone. This zone of high strain is likely situated at a different stratigraphic horizon, at least on surface, than that observed at Tiger. This observation may suggest that the mineralization at Condor is deeper, or confined to a different zone

PANTHER:

Mineralization at the Panther Target has been interpreted to be associated with a strong northeasterly trending structural zone that cross cuts an upper level carbonate sequence that is then capped by a volcanic unit. Samples from the upper part of the structural zone collected in 2017 returned 8.18 g/t Au from narrow massive pyrite veins and 3.90 g/t Au from altered volcanic material.

This approximately 100 m wide, northeast trending structural zone was prospected in detail in 2018 starting at the creek working up to the ridge top. Small fragments of altered volcanic material were observed up the entire structural trend though all favourable looking alteration and mineralization was constrained to a 15 – 20 m area.

Attempts were made to hand pit and trench the "productive" portion of the structural trend; but slope conditions rendered this exercise ineffective.

Mineralization at Panther is believed to occur at the intersection of a northeasterly trending structure with a north northwesterly trending structure near the ridge top where the carbonate stratigraphy is capped by a fairly thin volcanic unit.

SOIL GEOCHEMISTRY AND RESULTS

In 2018, crews performed grid sampling east of Bobcat and Grid and contour sampling north and west of Spotlight with a total of 1151 soil samples collected (Figures 10-11).

At Spotlight, the contour sampling extended the east trending linear gold-in soil anomaly an additional 1.5 km to the northwest with a cumulative strike length of the anomaly now stretching 2.2 km. Highlight in-soil metal values 0.70 g/t gold and 15.20 g/t silver were returned. The gold +/- silver soil anomaly at Spotlight remains open for extension to the north, east and west.

At Bobcat, the soil grid extension revealed elevated silver and tin up to a maximum value of 14.6 g/t Ag and 43.2 ppm Sn respectively on the eastern most line of the 2018 grid. The tin anomaly now covers an area 950 m by 450 m and remains open to the south and east. Gold was weakly anomalous within the grid extension though no obvious trends were observed in the results. Copper anomalism was generally weak but the isolated highs including one sample reaching 520 ppm Cu were observed in the central portion of the grid. Results from both of the areas sampled in 2018 are illustrated on Figures 12 through 17. Certificates of analysis occur in Appendix III

Soil Sample Analytical Information

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

ROCK GEOCHEMISTRY AND RESULTS

A total of 236 rock samples were collected along at the Rau Property in 2018. The rock sampling was part of a broad prospecting program designed to evaluate intrusion related mineralization in areas proximal to the Rackla Pluton (at Bobcat and Spotlight) as well as to follow-up on the results from the 2017 sampling at Condor and Jaguar. A summary of results from this sampling is presenting below for each target area.

The location of samples collected in 2018 is presented in Figures 18-21. Certificates of analysis of the samples is in Appendix III and rock sample descriptions are presented in Appendix IV.

Bobcat

Prospecting near a historical 7.37 g/t gold and 5.90% copper rock sample location identified a 20 x 20 m vegetation anomaly containing abundant skarn mineral vein float from an area of altered limestone and marble bedrock. Eleven hand-pits were dug within the vegetation anomaly and most encountered mineralized skarn vein material. A short follow-up program completed in September identified additional gold mineralization including a surface grab sample grading 9.53 g/t gold, broadening the target area of skarn mineralization to approximately 250 m in length (Figures 22-23). Highlight grab samples from this work are presented in Table II below.

Table II: Bobcat 2018 Highlight Rock Results

Sample #	Au (g/t)	Cu (%)	Ag (g/t)
W591409	**4.78**	0.23	64
W591411	**3.34**	**3.33**	43
W591414	**6.07**	**7.41**	**157**
W591562	**5.08**	**3.69**	24
W591573	**2.87**	**2.27**	27

In general, gold-copper skarn mineralization at Bobcat was typically observed within tremolite bearing veins with varying concentrations of chalcopyrite and copper oxides hosted in fine grained limestone. This style of mineralization is characteristic of distal, retrograde skarn alteration related to an intrusive center. Host rocks observed in the Bobcat area consist mainly of fine grained limestone, marble, hornfelsed fine-grained siliciclastic, and minor volcanic rocks.

Spotlight

Prospecting at Spotlight in 2018 was completed follow-up the 2017 discovery of high grade grab samples containing 7,080 g/t silver and 3.27 g/t gold collected from a 500 m long gold and silver soil anomaly. Rock samples returning 4,090 g/t silver and 1,765 g/t silver in limonite bearing quartz veins were collected near the area of silver mineralization collected in 2017. Prospecting 1.2 km to the west along the trend of anomalous gold-in-soil returned brecciated quartz-siderite material containing 2.17 g/t gold and 1.38 g/t gold (Figures 24-25).

Significant hornfels, marble alteration and abundant tremolite development indicate high fluid flow, likely from a nearby intrusive system. These observations are supported by the development of gold-copper-tungsten skarn mineralization at the historic Blue Lite occurrence located 1 km to the south of Spotlight.

Condor

The Condor target, located 1.5 km to the northwest of the Tiger Deposit was assessed in detail in 2018 to follow-up on an area of high grade prospecting samples (**17.00 g/t gold** and **23.30% zinc**) collected in 2017. Work in 2018 focused on a 100 m wide vegetation anomaly located upslope of the 2017 samples (Figures 26-29). Hand pits were excavated on a grid pattern across the vegetation anomaly and a variety of samples containing strongly oxidized sulphides hosted in dolostones and volcanic rocks were encountered. Highlight results from pit samples are presented below in Table III.

Table III: Condor 2018 Highlight Rock Results

Sample #	Au (g/t)	Ag (g/t)	Zn (%)	Pb (%)
W591494	1.85	103	—	4.22
W591525	—	45	37.49	—
W591508	—	—	36.51	—
W591507	1.06	—	—	1.38
W591523	—	133	1.44	—
W591499	—	42	22.60	—

** Note: dashes indicate no significant result for that element.*

Condor is situated in a similar stratigraphic and structural environment to the Tiger Deposit, with a series of carbonate horizons interlayered with volcanoclastic flows. Mineralization at Condor is thought to have developed at the structural intersection of a regional scale northwesterly trending strain zone with a northerly trending brittle fault zone.

Puma-Panther

The Puma and Panther Showings located in an area approximately 3 km northwest of the Tiger Deposit both occur in a stratigraphic setting similar to that of Tiger. Abundant gold-mineralized limonite float has been collected from both targets, associated with a north-northeast trending recessive linear in the case of Panther and associated with a prominent fault cutting the carbonate unit at Puma.

A one day traverse in 2018 evaluated further source areas for the mineralized float, as the bedrock origin of this material has yet to be identified. At Puma, a series of hand pits was dug within a grassy area near the base where a subtle gold in soil anomaly coincided with the trend of the prominent fault. Eleven samples were collected from the pits, though no significant mineralization was returned. At Panther, seven prospecting grab samples were collected from in the area of the prominent linear. Two samples retuned values anomalous for gold including 1.47 g/t Au and 4.61 g/t Au gold (Figure 30). None of the samples returned results anomalous for Silver, Copper, Lead or Zinc.

Rock Sample Analytical Information

Samples were sent to ALS Minerals in Whitehorse, YT where they were logged and then transported to ALS North Vancouver. Once there, they were fine crushed before a 250 g split was pulverized to better than 85% passing 75 microns. The rock samples were routinely dissolved in a four acid digestion and analyzed for 48 elements using inductively coupled plasma (ICP) together with mass spectroscopy (ME-MS61) or atomic emission spectroscopy (AES). The samples were assayed for gold by Au-AA26, which takes a 50 g charge and prepares it by fire assay before being finished by atomic absorption spectroscopy.

Overlimit values for zinc, copper, silver and lead were re-analyzed by the ME-OG62 technique which utilizes a four acid digestion followed by an atomic absorption spectroscopy finish. Overlimit values for silver determined by the ME-OG62 method were re-analyzed using the Ag-GRA21 method, which involves fire assay preparation using a 30 gram charge and a gravimetric finish. Overlimit values for lead determined by the ME-OG62 method were re-analyzed using the Pb-VOL70 method, which uses a four acid digestion and volumetric titration. Overlimit values for zinc determined by the ME-OG62 method were re-analyzed using the Zn-VOL50 technique, which uses a four acid digestion and potentiometric titration.

DISCUSSION AND CONCLUSIONS

Since 2007, a total of 22 targets with gold and/or base metal mineralization have been discovered by ATAC across a 20 km trend at the Rau Property. These targets comprise several distinct styles of intrusive-related mineralization, demonstrating systematic zonation outwards from the Rackla Pluton. The 2018 field program was designed to follow-up on high grade mineralization identified during the past programs as well as to evaluate the potential for intrusion related mineralization proximal to the Rackla Pluton at the Bobcat and Spotlight targets.

While underexplored, the Rackla Pluton represents one of the proposed hydrothermal fluid sources for the district and may have strong reduced-intrusion related gold potential. The neighbouring Bobcat target reflects outward fluid flow and the development of gold-copper skarn mineralization. This mineral zonation continues to transition outwards to a gold-silver dominated carbonate-replacement system exemplified by the Tiger Gold Deposit. At the periphery, silver-zinc-lead manto-style mineralization has developed at the Ocelot target, demonstrating distal components of fluid flow.

Significant alteration of host rocks indicative of high fluid flow was observed at both the Bobcat and Spotlight target areas during the 2018 field program. These observations in conjunction with the significant gold ± copper and gold ± silver mineralization identified through only cursory prospecting at the Bobcat and Spotlight targets suggests a robust intrusive related mineralizing system may yet to be fully understood on the eastern side of the Rau Project.

Continued systematic exploration at the Rau Project is warranted within this exciting geological district where significant discovery potential still exists.

Respectfully submitted,
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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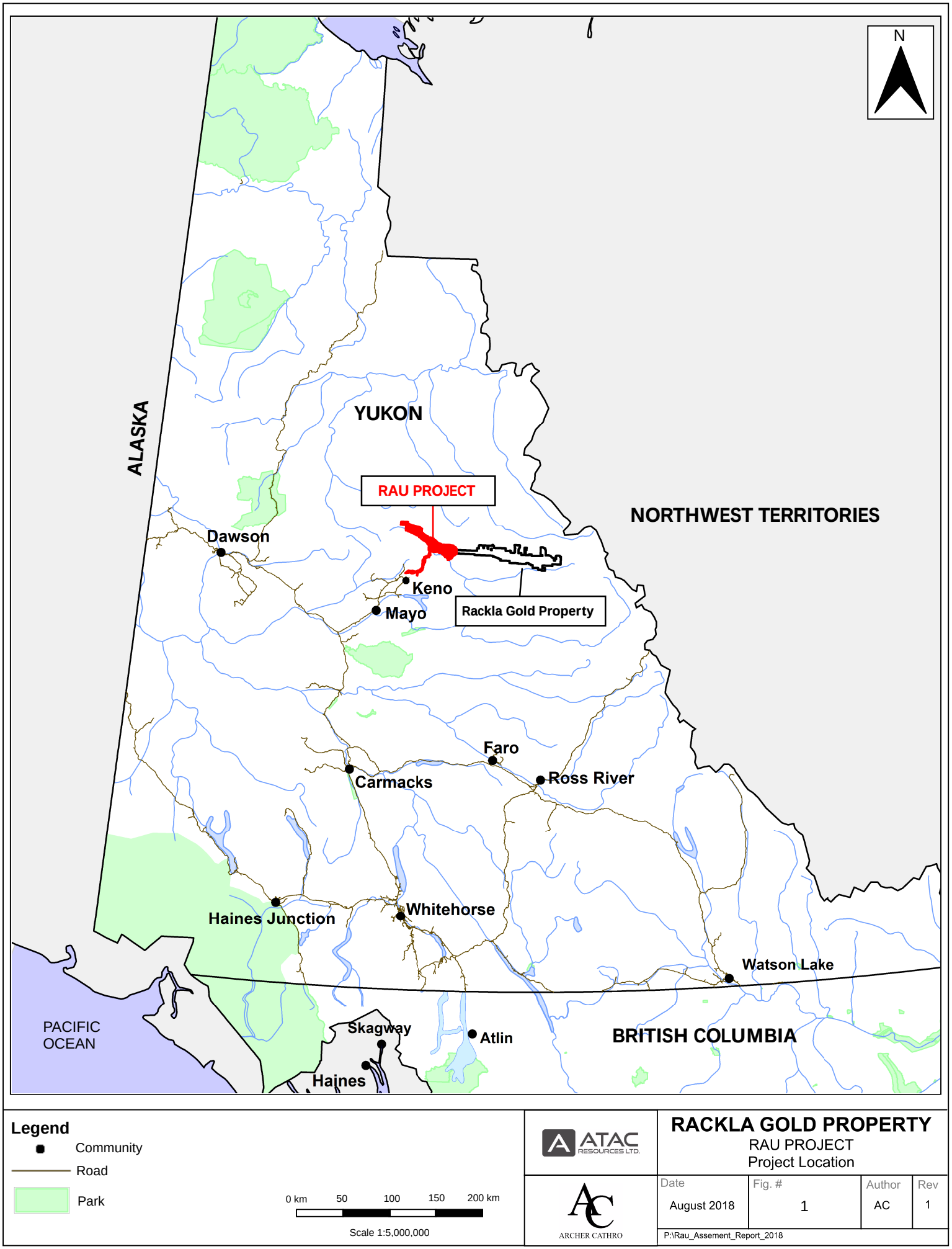
Andrew Carne, M.Eng, EIT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ALASKA
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RAU PROJECT
NORTHWEST TERRITORIES
Dawson
Keno
Mayo
Rackla Gold Property
Faro
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Ross River
Haines Junction
Whitehorse
Watson Lake
PACIFIC
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ATAC RESOURCES LTD.
ARCHER CATHRO
RACKLA GOLD PROPERTY
RAU PROJECT
Project Location
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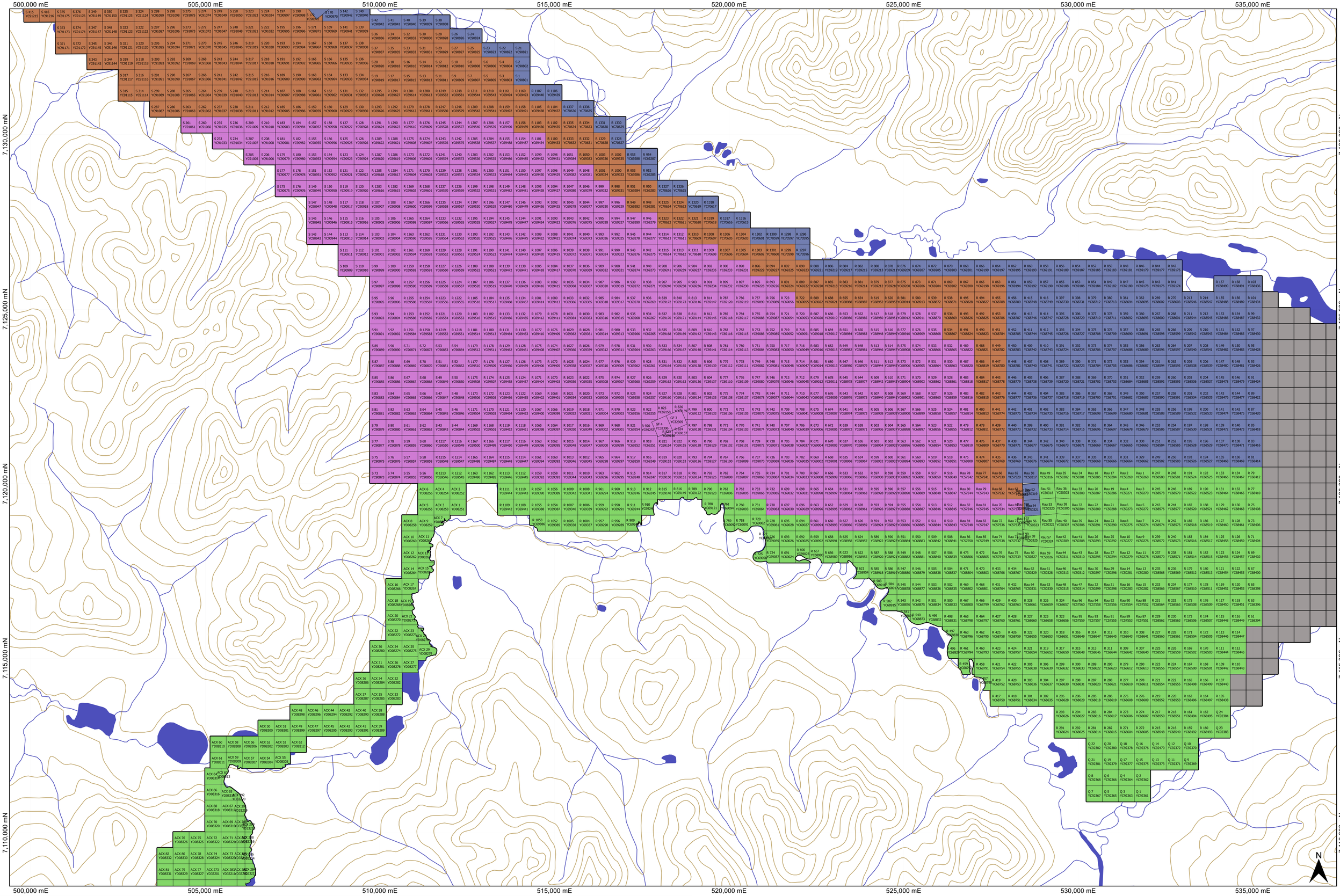

Claim Groupings

- Group I
- Group J
- Group K
- Group L
- Orion Project Claims

0 1 2 3 4 5 km

1:65000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rackla Gold Property

Claims by Assessment Group
Rau Project

Date	Fig. #	Author	Rev
April 11, 2019	2A	AC	A

ARCHER CATHRO

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485,000 mE
490,000 mE
495,000 mE
500,000 mE
505,000 mE
510,000 mE

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7,145,000 mN
7,140,000 mN
7,135,000 mN
7,130,000 mN

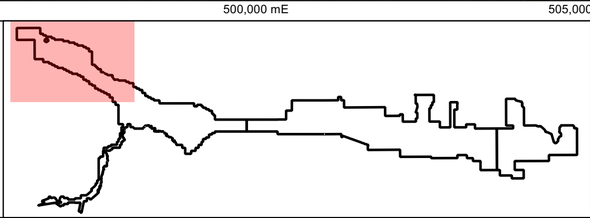
Claim Goupings

- Group I
- Group J
- Group K
- Group L

0 1 2 3 4 5 km

1:65000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rackla Gold Property

Claims by Assessment Group
Rau Project

ARCHER CATHRO

Date	Fig. #	Author	Rev
April 11, 2019	2B	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Osiris and Orion Projects\Figures\Figure 2-9 - Claim Groupings\2019 Assessment Blocks.qgz

480,000 mE | 485,000 mE | 490,000 mE | 495,000 mE | 500,000 mE | 505,000 mE | 510,000 mE

7,115,000 mN | 7,110,000 mN | 7,105,000 mN | 7,100,000 mN | 7,095,000 mN

N

Claim Goupings

- Group I
- Group J
- Group K
- Group L

0 1 2 3 4 5 km

1:65000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

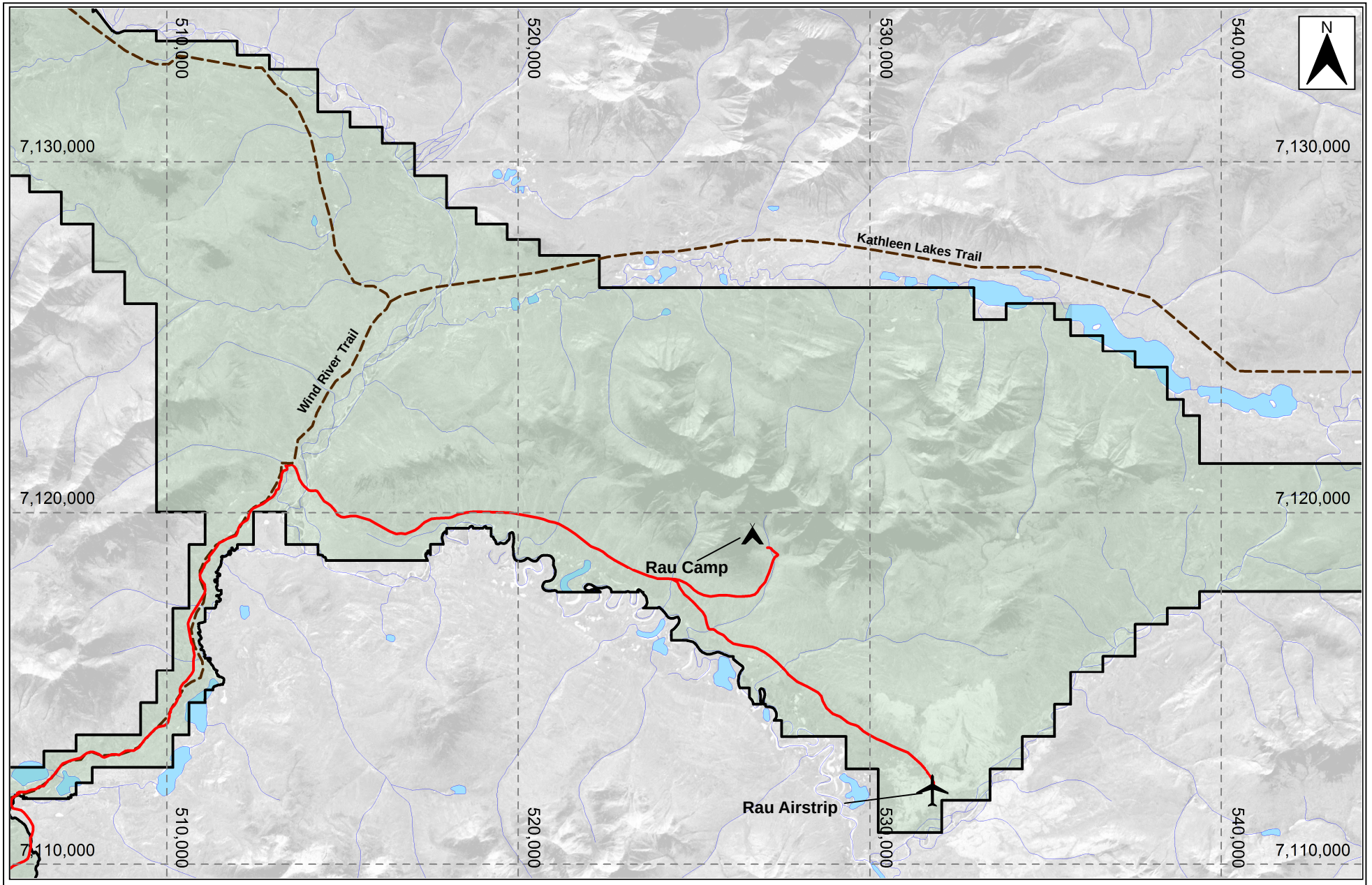
Rackla Gold Property

Claims by Assessment Group
Rau Project

ARCHER CATHRO

Date	Fig. #	Author	Rev
April 11, 2019	2C	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Osiris and Orion Projects\Figures\Figure 2-9 - Claim Groupings\2019 Assessment Blocks.qgz



Proposed tote road

Winter Trail

0 km 2 4 6 8 10 km

Scale 1:150,000 UTM Nad 83 Zn 8

ATAC RESOURCES LTD.

ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Infrastructure

Date	Fig. #	Author	Rev
November 2019	3	AC	1

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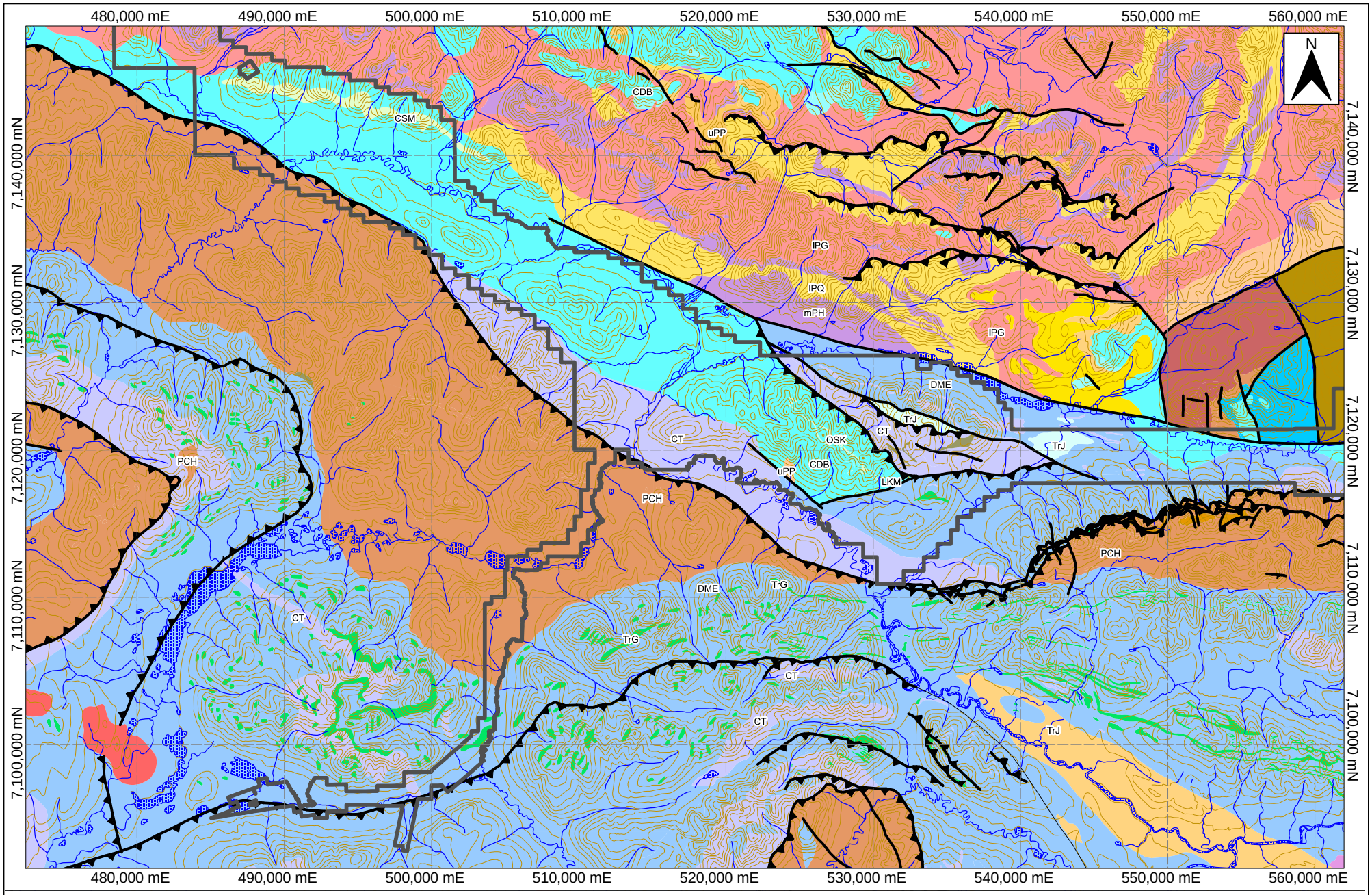

Thrust Fault

Property Border

For Geology Legend - See Figure 7

0 km 3.5 7 10.5 14 km

Scale 1:350,000

ATAC RESOURCES LTD.

ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Rau Trend Geology

Date	Fig. #	Author	Rev
November 2019	4	AC	1

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Upper Cretaceous

LKM — McQueston Suite - Granite with two types of mica

mKM — Tombstone Suite - Granite

Triassic

TrG — Galena Suite - Diorite and Gabbro

Middle to Upper Triassic

TrJ — Jones Lake - Sandstone, shale, and limestone

Lower middle Permian

PJC — Jungle Creek - Sandstone, shale with limestone

Mississippian

CT — Keno Hill Quartzite - Metamorphosed sandstone, shale

Devonian-Mississippian

DME — Earn Group - Shale and chert with lesser conglomerate

Lower middle Devonian

DG — Gossage - Calcareous shale

Silurian-Ordovician

CSM — Marmot - Mafic, vesicular volcanic flows

Upper Ordovician-Silurian

OSK — Kindle - Dolostone and chert

Upper Cambrian-lower devonian

CDB — Bouvette - limestone with minor shale

Upper Cambrian

uCT — Taiga - Limestone, dolostone, minor shale

Lower middle Cambrian

lmCS — Slats Creek - Sandstone with minor shale/silstone

Middle Cambrian

lCG — Gull Lake - Clastic assemblage with volcanics

lCI — Iltyd - Limestone with dolostone

Upper Proterozoic-Cambrian

PCH — Hyland - Turbiditic clastics, limestones, shales

Neoproterozoic

uPHC — Hay Creek - Coarse siliciclastics

uPN — Nadaleen - Carbonates

uPR — Rapitan - Mudstone with interbeds of limestone, sandstone

uPP — Pinguicula - Carbonate assemblage

Mesoproterozic

mPH — Hart River - Mafic volcanic flows

Paleoproterozoic

lPG — Gillespie Lake - Dolostone and silty dolostone

lPQ — Quartet - Shale and siltstone

ATAC RESOURCES LTD.

RACKLA GOLD PROPERTY

RAU PROJECT

Geology Legend

ARCHER CATHRO

Date	Fig. #	Author	Rev
November 2019	5	AC	1

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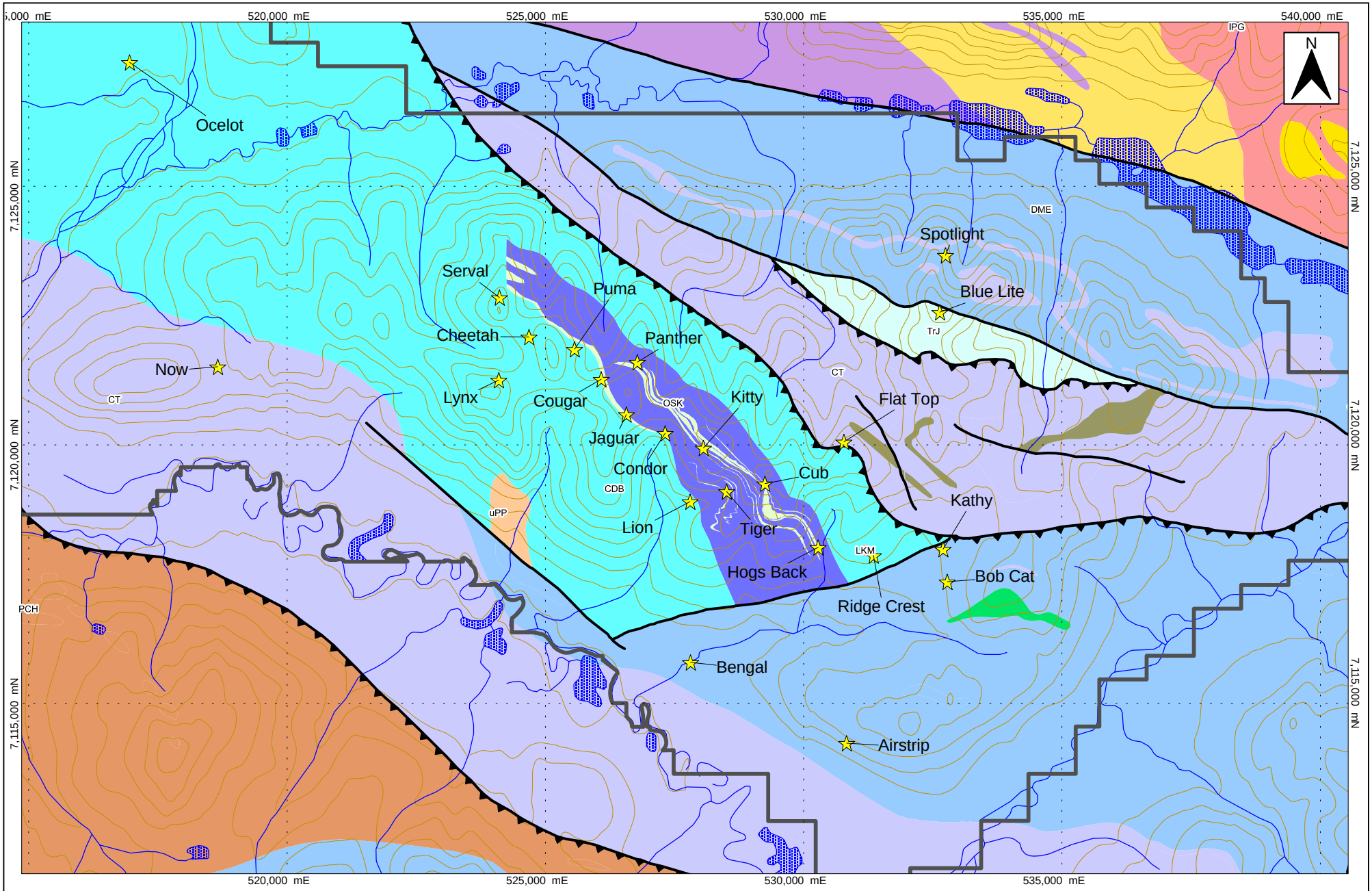

Thrust Fault

Property Border

Mineralized target

For Geology Legend - See Figure 5

0 km 1 2 3 4 km

Scale 1:100,000

ATAC RESOURCES LTD.

ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Rau Trend Detailed Geology

Date	Fig. #	Author	Rev
November 2019	6	AC	1

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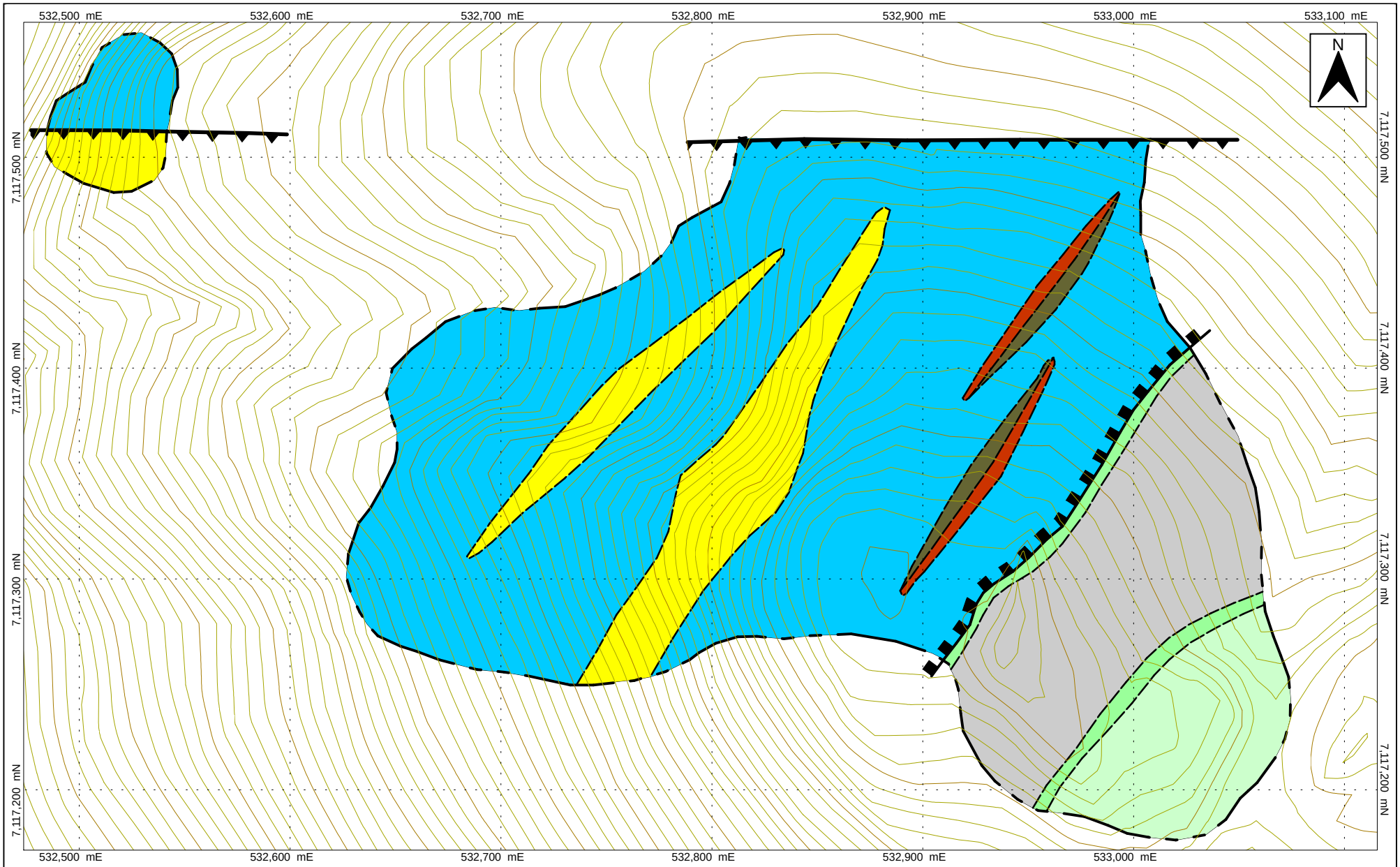

Bobcat Geology

- Cream to white to yellow weathered, medium to coare-grained marble
- Dark to light grey, fine to medium-grained carbonate and calcareous mudstone
- Light grey to pinkish weathered, fine-grained arkosic sandstone
- Very fine-grained dark grey mafic volcanic; may be mafix sills or dykes
- White to grey weathered, limestone conglomerate/breccia; clasts 1 to 10c cm of limestone, shale and black chert; where bedded, grading is common
- Black to very dark grey carbonate with 2-3 mm white calcite crystals throughout
- Dark grey to rusty weathered, slightly carbonaceous, hornfelsed shale nad siltstone

Faults

- Normal inferred
- Thrust inferred

0 m 25 50 75 100 m

Scale 1:2,500

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ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Bobcat Geology

Date	Fig. #	Author	Rev
November 2019	7	AC	1

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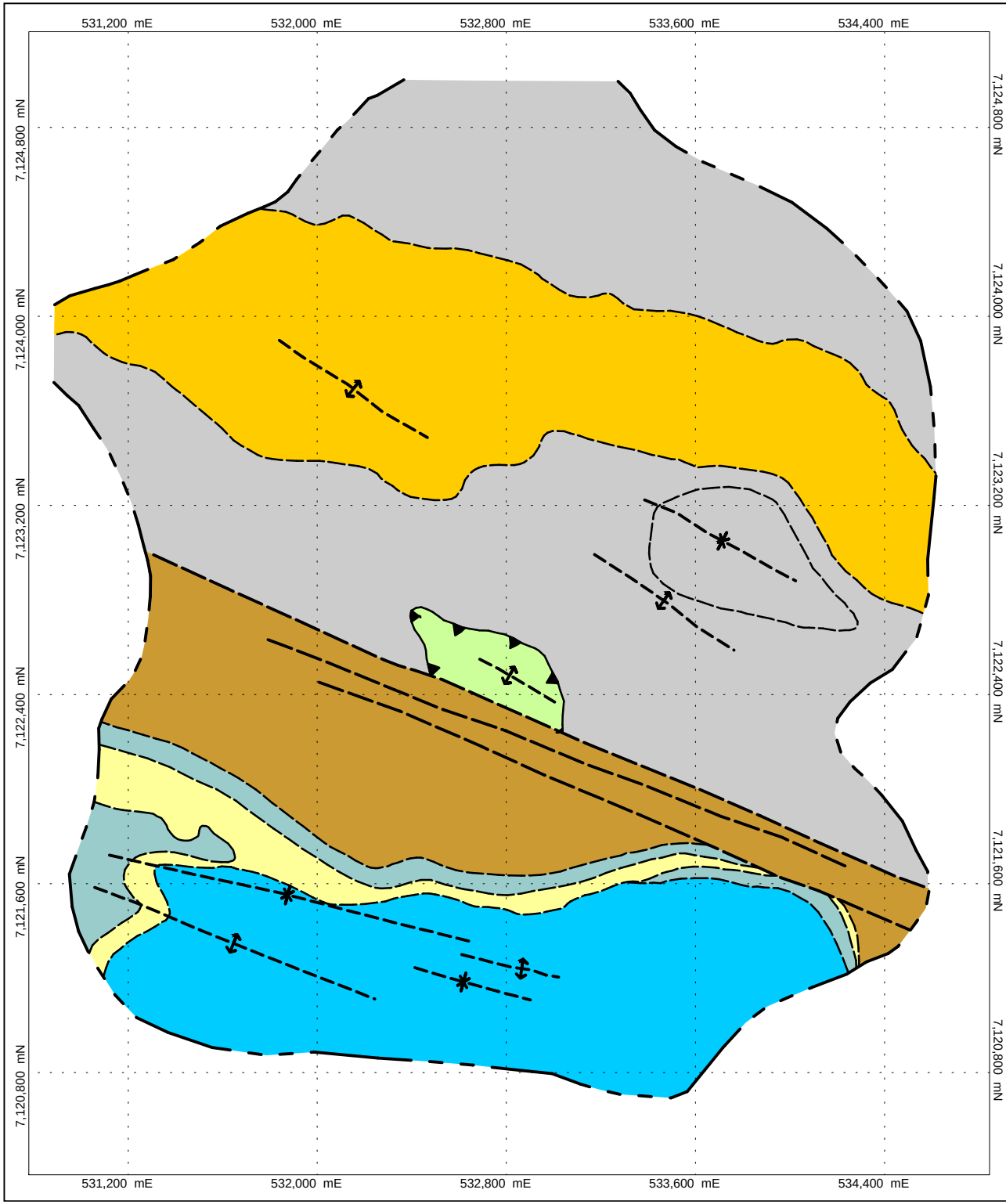


N

Bedrock Geology

- JONES LAKE FORMATION; Grey to white weathered quartz arenite to quartzite; dark grey fossiliferous carbonate
- PALEOZOIC OFFSHELF ROCKS: CPl: light to dark grey weathered, thick to thin-bedded carbonate; includes platy calcareous mudstone and bioclastic conglomerate; abundant fossils
- CPlm: cream to tan yellow weathered, coarse to medium-grained marble
- CPsc: mixed, interbedded brown to dark grey siliceous siltstone, grey shale and grey weathered bedded carbonate
- Cpps: Rusty to dark grey weathered siliceous siltstone and shale; locally phylitic and hornfelsed
- TSISHU GROUP: dark to light grey siliceous siltstone, locally laminated; light grey massive to bedded quartz arenite; locally pervasively hornfelsed and rusty weathered
- EARN GROUP: dark grey to black carbonaceous to slightly siliceous hsale; locally abundant andalusite

Faults

- Thrust inferred
- Unknown approximate

Folds

- Antiform approximate
- Synform approximate

0 m 250 500 750 1,000

Scale 1:25,000

ATAC RESOURCES LTD.

ARCHER CATHRO

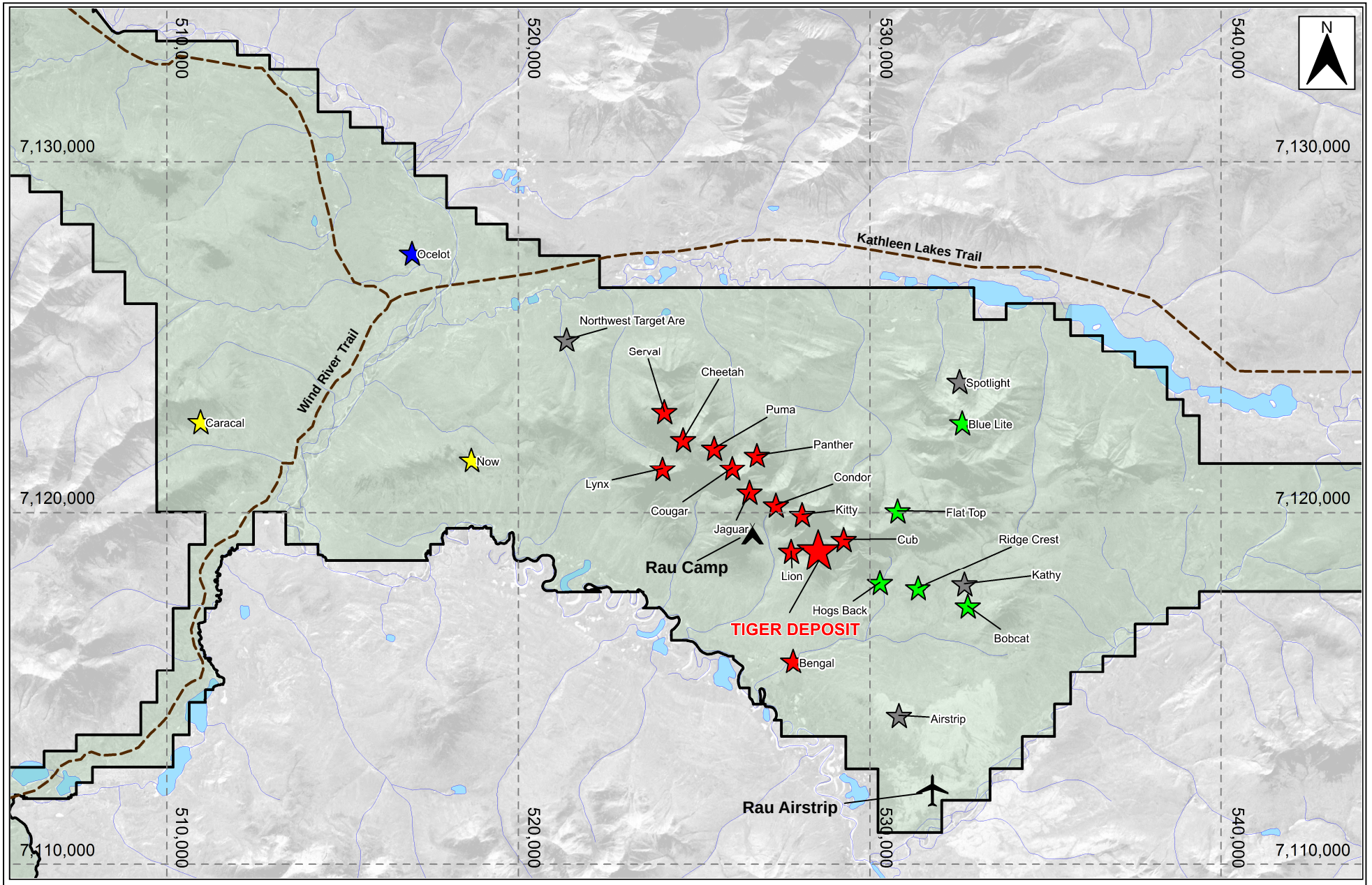
RACKLA GOLD PROPERTY

RAU PROJECT

Spotlight-Blue Lite Geology

Date	Fig. #	Author	Rev
November 2019	8	AC	1

P:\Rau_Assessment_Report_2018



Replacement style gold target
Gold bearing quartz vein target
Skarn target
Structurally hosted Ag-Pb-Zn target
Unknown depost style target

Winter Trail

0 km 2 4 6 8 10 km

Scale 1:150,000 UTM Nad 83 Zn 8

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RACKLA GOLD PROPERTY

RAU PROJECT

Infrastructure and Showings

Date	Fig. #	Author	Rev
November 2019	9	AC	1

P:\Rau_Assessment_Report_2018

532,000 532,500 533,000 533,500 534,000 534,500

7,119,500 7,119,000 7,118,500 7,118,000 7,117,500 7,117,000 7,116,500 7,116,000 7,115,500

N

0 500
metres

ATAC RESOURCES LTD.

ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Soil Locations - Bobcat

Date	Fig. #	Author	Rev
NOVEMBER 2019	10	SN	1

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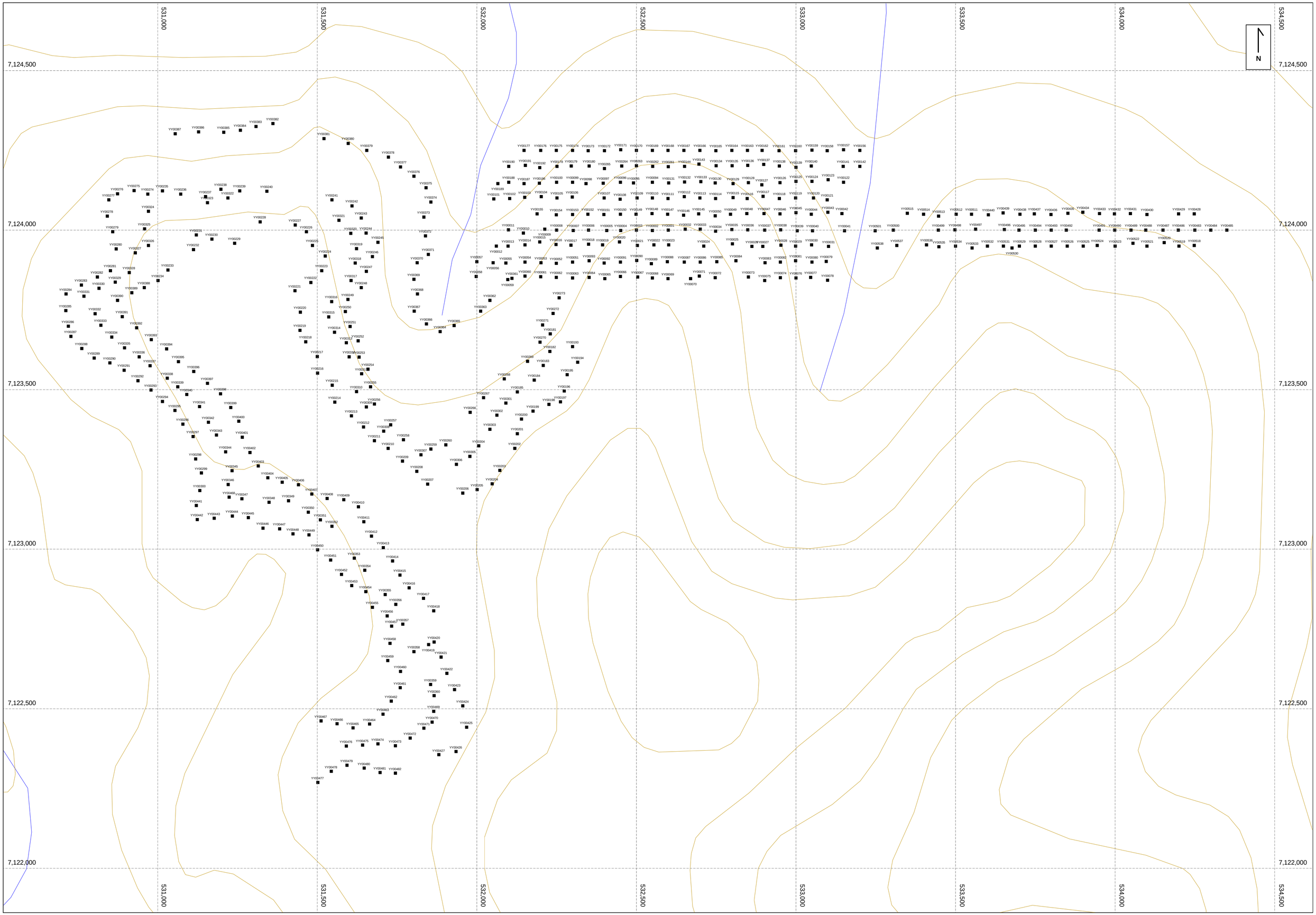

0 500
metres

ATAC RESOURCES LTD.

ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Soil Locations - Blue Lite

Date	Fig. #	Author	Rev
NOVEMBER 2019	11	SN	1

P:\Rau_Assessment_Report_2019

530,000 mE | 531,000 mE | 532,000 mE | 533,000 mE | 534,000 mE | 535,000 mE

7,125,000 mN | 7,124,000 mN | 7,123,000 mN | 7,122,000 mN

Spotlight

Blue Lite

N

Legend

2018 Soil Samples (Au - ppb)
- 0 - 5
- 5 - 10
- 10 - 25
- 25 - 100
- 100 - 1215

Previous Soil Samples (Au - ppb)
- 0 - 5
- 5 - 10
- 10 - 25
- 25 - 100
- 100 - 403

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rau Property
Soil Sample Results
Spotlight - Au

ARCHER CATHRO

Date	Fig. #	Author	Rev
June 21, 2019	12	AC	A

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530,000 mE | 531,000 mE | 532,000 mE | 533,000 mE | 534,000 mE | 535,000 mE

7,125,000 mN | 7,124,000 mN | 7,123,000 mN | 7,122,000 mN

Spotlight

Blue Lite

N

Legend

2018 Soil Samples (Ag - ppm)
- 0.0 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- 3.0 - 15.2

Previous Soil Samples (Ag - ppm)
- 0.0 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- 3.0 - 12.15

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rau Property
Soil Sample Results
Spotlight - Ag

ARCHER CATHRO

Date	Fig. #	Author	Rev
June 21, 2019	13	AC	A

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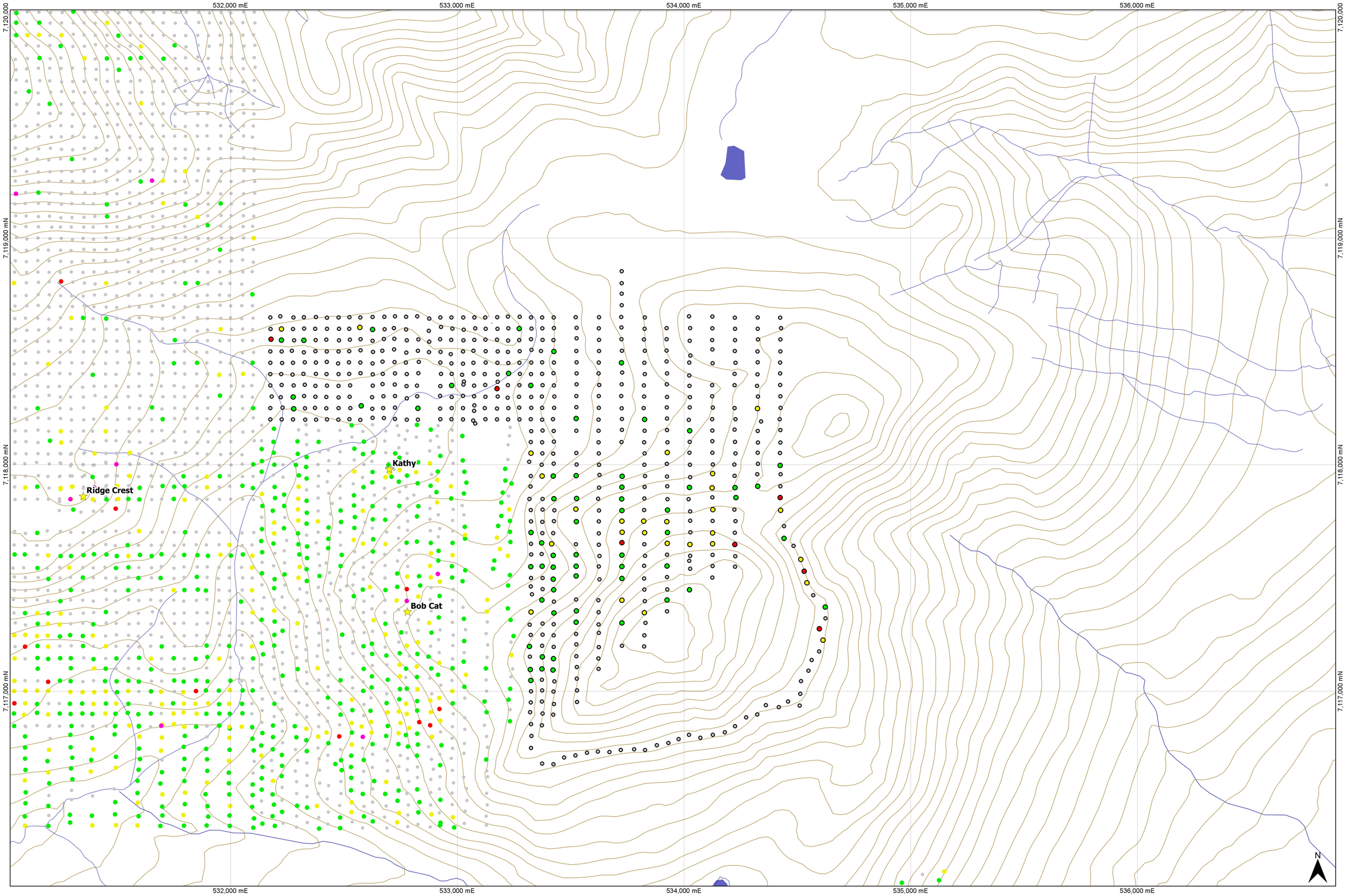


Legend

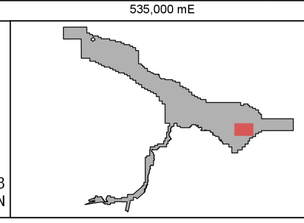
2018 Soil Samples (Au - ppm)
- 0 - 5
- 5 - 10
- 10 - 25
- 25 -55

Previous Soil Samples (Au - ppm)
- 0 - 5
- 5 - 10
- 10 - 25
- 25 - 100
- 100 - 990

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property
Soil Sample Results
Bobcat - Au

ARCHER CATHRO

Date	Fig. #	Author	Rev
June 21, 2019	14	AC	A

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532,000 mE
533,000 mE
534,000 mE
535,000 mE
536,000 mE
7,120,000
7,119,000 mN
7,118,000 mN
7,117,000 mN
Ridge Crest
Kathy
Bob Cat
N

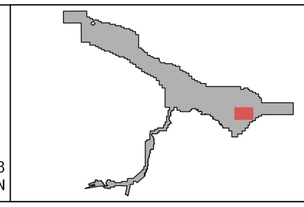
Legend

2018 Soil Samples (Cu - ppm)
- 0 - 50
- 50 - 75
- 75 - 100
- 100 - 200
- 200 - 520

Previous Soil Samples (Cu - ppm)
- 0 - 50
- 50 - 75
- 75 - 100
- 100 - 200
- 200 - 6940

0 200 400 600 800 1000 m
1:10000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property
Soil Sample Results
Bobcat - Cu

ARCHER CATHRO

Date	Fig. #	Author	Rev
June 21, 2019	15	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Rau Project\Figures\Rau 2018 Assessment Figures.qgz

532,000 mE
533,000 mE
534,000 mE
535,000 mE
536,000 mE
7,120,000
7,119,000 mN
7,118,000 mN
7,117,000 mN
Kathy
Ridge Crest
Bob Cat
N

Legend

2018 Soil Samples (Ag - ppm)
- 0.0 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- 3.0 - 14.6

Previous Soil Samples (Ag - ppm)
- 0.0 - 0.5
- 0.5 - 1.0
- 1.0 - 2.0
- 2.0 - 3.0
- 3.0 - 27.1

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rau Property
Soil Sample Results
Bobcat - Ag

ARCHER CATHRO

Date	Fig. #	Author	Rev
June 21, 2019	16	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Rau Project\Figures\Rau 2018 Assessment Figures.qgs

532,000 mE | 533,000 mE | 534,000 mE | 535,000 mE | 536,000 mE

7,120,000 mN

7,119,000 mN

7,118,000 mN

7,117,000 mN

Ridge Crest

Kathy

Bob Cat

N

Legend

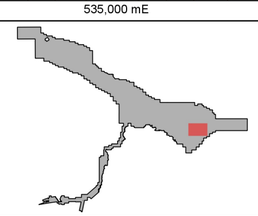
2018 Soils Samples (Sn - ppm)
- 0 - 1
- 1 - 2
- 2 - 5
- 5 - 10
- 10 - 43

Previous Soil Samples (Sn - ppm)
- 0 - 1
- 1 - 2
- 2 - 5
- 5 - 10
- 10 - 137

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property
Soil Sample Results
Bobcat - Sn

ARCHER CATHRO

Date	Fig. #	Author	Rev
June 21, 2019	17	AC	A

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INSET

0 20
meters

7,118,500
7,118,000
7,117,500
7,117,000
7,116,500

532,750
532,775
532,800
533,000
533,500
534,000
534,500
535,000
532,000
532,500

N

0 250
metres

ATAC RESOURCES LTD.	**RACKLA GOLD PROPERTY** RAU PROJECT Rock Sample Locations - Bobcat		
ARCHER CATHRO	Date: NOVEMBER 2019	Fig. #: 18	Author: SN
	P:\Rau_Assessment_Report_2018		Rev: 1

530,000
530,500
531,000
531,500
532,000
532,500
533,000
533,500
534,000
534,500
535,000
535,500

7,124,500
7,124,000
7,123,500
7,123,000
7,122,500
7,122,000
7,121,500

N

INSET

W591441
W591428
W591442
W591429
W591443
W591447
W591473
W591472
W591941
W591942
W591943
W591940
W591458
W591459
W591460
W591430
W591461
W591462
W591463
W591464
W591444
W591451
W591453
W591434
W591435
W591465
W591466
W591457
W591448
W591446
W591447
W591449
W591469
W591470
W591471

R615160
R615157
R615164
R615156
R615158
R615159
W591948
W591950
W591951
W591949
W591947
R615165
R615163
R615162
R615166
R615164

0
500
metres

ATAC RESOURCES LTD

ARCHER CATHRO

RACKLA GOLD PROPERTY

RAU PROJECT

Rock Sample Locations - Blue Lite

Date	Fig. #	Author	Rev
NOVEMBER 2019	19	SN	1

P:\Rau_Assessment_Report_2019

527,375 527,400 527,425 527,450 527,475 527,500 527,525 527,550 527,575

7,120,350 7,120,325 7,120,300 7,120,275 7,120,250 7,120,225

N

W591478
W591479
W591488
W591477
W591485
W591476
W591487
W591489
W591490
W591496
W591494
W591495
W591493
W591492
W591498
W591497
W591508
W591504
W591503
W591500
W591499
W591501
W591506
W591505
W591502
W591509
W591511
W591510
W591514
W591512
W591513
W591520
W591516
W591515
W591525
W591523
W591522
W591524
W591521
W591517
W591518
W591519
W591526
W591527
W591528
W591529
W591530
W591531
W591532
W591534
W591533

0 25
metres

ATAC RESOURCES LTD

ARCHER CATHRO

RACKLA GOLD PROPERTY
RAU PROJECT
Rock Sample Locations - Condor

Date	Fig. #	Author	Rev
NOVEMBER 2019	20	SN	1

P:\Rau_Assessment_Report_2019

525,200 | 525,400 | 525,600 | 525,800 | 526,000 | 526,200 | 526,400 | 526,600 | 526,800 | 527,000 | 527,200 | 527,400

7,122,000
7,121,800
7,121,600
7,121,400
7,121,200
7,121,000
7,120,800
7,120,600

N

W591545
W591544
W591546
W591541
W591542
W591535
W591536
W591543
W591537
W591538
W591539
W591540
W591401
W591402
W591404
W591403
W591405
W591406
W591407
W591547
W591548
W591549
W591550

0 250
metres

ATAC RESOURCES LTD

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RACKLA GOLD PROPERTY

RAU PROJECT

Rock Sample Locations - Puma, Panther

Date	Fig. #	Author	Rev
NOVEMBER 2019	21	SN	1

P:\Rau_Assessment_Report_2019

532,000 mE

533,000 mE

534,000 mE

7,118,000 mN

7,117,000 mN

Kathy

9.53

4.78

2.87

5.08

3.34

6.07

1.13

N

Legend

2018 Rock Samples (Au - g/t)

- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 3.0
- 3.0 - 9.53

Previous Rock Samples (Au - g/t)

- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 3.0
- 3.0 - 13.7

0 100 200 300 400 500 m

1:5005

UTM NAD 83
Zone 8N

Client

ATAC RESOURCES LTD.

Rau Property

Rock Sample Results
Bobcat - Au

Date	Fig. #	Author	Rev
August 2, 2019	22	AC	A

ARCHER CATHRO

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532,000 mE

533,000 mE

534,000 mE

7,118,000 mN

7,117,000 mN

Kathy

2.3%

3.7%

Bob Cat

7.4%

N

Legend

2018 Rock Samples (Cu - %)

- 0.00% - 0.01%
- 0.01% - 0.05%
- 0.05% - 0.10%
- 0.10% - 0.50%
- 0.50% - 7.41%

Previous Rock Samples (Cu - %)

- 0.00% - 0.01%
- 0.01% - 0.05%
- 0.05% - 0.10%
- 0.10% - 0.50%
- 0.50% - 5.90%

0 100 200 300 400 500 m

1:5005

UTM NAD 83
Zone 8N

Client

ATAC RESOURCES LTD.

ARCHER CATHRO

Rau Property

Rock Sample Results
Bobcat - Cu

Date	Fig. #	Author	Rev
August 2, 2019	23	AC	A

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530,000 mE | 531,000 mE | 532,000 mE | 533,000 mE | 534,000 mE | 535,000 mE

7,125,000 mN | 7,124,000 mN | 7,123,000 mN | 7,122,000 mN

1.38

2.17

Spotlight

Blue Lite

N

Legend

2018 Rock Samples (Au - g/t)
- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 2.17

Previous Rock Samples (Au - g/t)
- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 3.0
- 3.0 - 3.27

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rau Property
Rock Sample Results
Spotlight - Au

Date	Fig. #	Author	Rev
August 2, 2019	24	AC	A

ARCHER CATHRO

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530,000 mE | 531,000 mE | 532,000 mE | 533,000 mE | 534,000 mE | 535,000 mE

7,125,000 mN | 7,124,000 mN | 7,123,000 mN | 7,122,000 mN

4090

1765

Spotlight

Blue Lite

N

Legend

2018 Rock Samples (Ag - g/t)
- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 100
- 100 - 4090

Previous Rock Samples (Ag - g/t)
- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 100
- 100 - 7080

0 200 400 600 800 1000 m

1:10000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rau Property
Rock Sample Results
Spotlight - Ag

Date	Fig. #	Author	Rev
August 2, 2019	25	AC	A

ARCHER CATHRO

P:\2019\Rackla Gold\Assessment Report - 2018 Rau Project\Figures\Rau 2018 Assessment Figures.qgs

527,100 mE | 527,200 mE | 527,300 mE | 527,400 mE | 527,500 mE | 527,600 mE

7,120,300 mN

7,120,200 mN

7,120,100 mN

Condor

1.85

1.06

N

Legend

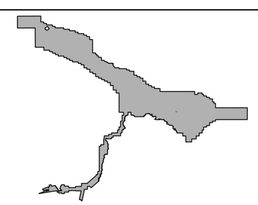
2018 Rock Samples (Au - g/t)
- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 1.85

Previous Rock Samples (Au - g/t)
- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 3.0
- 3.0 - 17.0

0 25 50 75 100 m

1:1000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property
Rock Sample Results
Condor - Au

ARCHER CATHRO

Date	Fig. #	Author	Rev
August 2, 2019	26	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Rau Project\Figures\Rau 2018 Assessment Figures.qgs

527,100 mE | 527,200 mE | 527,300 mE | 527,400 mE | 527,500 mE | 527,600 mE

7,120,300 mN

7,120,200 mN

7,120,100 mN

Condor

103

133

N

Legend

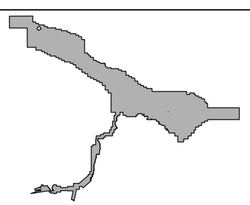
2018 Rock Samples (Ag - g/t)
- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 100
- 100 - 133

Previous Rock Samples (Ag - g/t)
- 0 - 1
- 1 - 5
- 5 - 10
- 10 - 100
- 100 - 378

0 25 50 75 100 m

1:1000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property
Rock Sample Results
Condor - Ag

ARCHER CATHRO

Date	Fig. #	Author	Rev
August 2, 2019	27	AC	A

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527,100 mE | 527,200 mE | 527,300 mE | 527,400 mE | 527,500 mE | 527,600 mE

7,120,300 mN

7,120,200 mN

7,120,100 mN

Condor

36.5%

13.2%

10.2%

N

Legend

Previous Rock Samples (Zn - %)
- 0.0 - 0.1%
- 0.1% - 0.5%
- 0.5% - 1.0%
- 1.0% - 10%
- 10% - 23.3%

2018 Rocks - Zn
- 0.0% - 0.1%
- 0.1% - 0.5%
- 0.5% - 1.0%
- 1.0% - 10%
- 10% - 36.5%

0 25 50 75 100 m

1:1000

UTM NAD 83
Zone 8N

Client: ATAC RESOURCES LTD.

Rau Property
Rock Sample Results
Condor - Zn

ARCHER CATHRO

Date	Fig. #	Author	Rev
August 2, 2019	28	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Rau Project\Figures\Rau 2018 Assessment Figures.qgs

527,100 mE | 527,200 mE | 527,300 mE | 527,400 mE | 527,500 mE | 527,600 mE

7,120,300 mN

7,120,200 mN

7,120,100 mN

Condor

4.2%

2.4%

2.1%

N

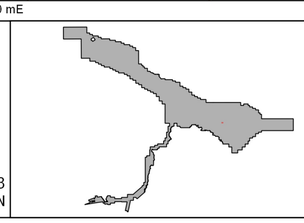
Legend

2018 Rock Samples (Pb - %)	Previous Rock Samples (Pb - %)
0.0% - 0.1%	0.0% - 0.1%
0.1% - 0.5%	0.1% - 0.5%
0.5% - 1.0%	0.5% - 1.0%
1.0% - 4.2%	1.0% - 1.4%

0 25 50 75 100 m

1:1000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property

Rock Sample Results
Condor - Pb

ARCHER CATHRO

Date	Fig. #	Author	Rev
August 2, 2019	29	AC	A

P:\2019\Rackla Gold\Assessment Report - 2018 Rau Project\Figures\Rau 2018 Assessment Figures.qgs

525,500 mE | 526,000 mE | 526,500 mE | 527,000 mE

7,122,000 mN

7,121,500 mN

7,121,000 mN

Puma

Cougar

Panther

1.47

4.61

N

Legend

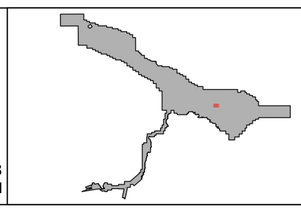
2018 Rocks - Au
- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 3.0
- 3.0 - 4.6

Previous Rock Samples (Au - g/t)
- 0.0 - 0.1
- 0.1 - 0.5
- 0.5 - 1.0
- 1.0 - 3.0
- 3.0 - 18.5

0 100 200 300 400 m

1:3000

UTM NAD 83
Zone 8N



Client: ATAC RESOURCES LTD.

Rau Property
Rock Sample Results
Puma & Panther - Au

ARCHER CATHRO

Date	Fig. #	Author	Rev
August 2, 2019	30	AC	A

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APPENDIX I

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Adam Coulter, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of Western Ontario in 2013 with a B.Sc. in Honors Specialization in Geology and in 2015 with a M.Sc. in Geology.

2. From 2012 to present, I have been actively engaged in mineral exploration in Yukon Territory, Northwest Territories and Ontario.

3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Geoscientist of Ontario (License Number 3123) and the Association of Professional Engineers and Geoscientists of British Columbia (License Number 49777)

4. I have participated in the interpretation of data resulting from the fieldwork reported herein.

Adam Coulter, M.Sc., P.Geo.

STATEMENT OF QUALIFICATIONS

I, Andrew Carne, engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in Vancouver, British Columbia, hereby certify that:

1. I graduated from the University of British Columbia in 2010 with a B.A.Sc. in Materials Engineering and in 2012 with an M.Eng. in Civil Engineering .

2. From 2006 to present, I have been actively engaged in mineral exploration in Yukon Territory and British Columbia.

3. I am an Engineer in Training (EIT) with the Association of Professional Engineers and Geoscientists of British Columbia.

4. I have participated in interpretation of data resulting from the fieldwork reported herein.

Andrew Carne, M.Eng, EIT

APPENDIX II

STATEMENT OF EXPENDITURES

Statment of Expenditures
Group I
February 22, 2019

Labour

Employee	Job Description	Hrs	Time Period	Rate/hr	Total
Adam Coulter	Geologist	75.84	May 1, 2018 thru December 31, 2018	$ 80.00	$ 6,067.35
Andrew Carne	Engineer	113.3	May 1, 2018 thru December 31, 2018	$ 94.00	$ 10,645.53
Cam Webber	Field Labour	11.79	May 1, 2018 thru December 31, 2018	$ 58.00	$ 683.60
Heather Burrell	Sr. Geologist	2.05	May 1, 2018 thru December 31, 2018	$ 111.00	$ 227.53
Jack Morton	Sr. Geologist	47.14	May 1, 2018 thru December 31, 2018	$ 96.00	$ 4,525.92
Jason Brockman-Jack	Field Labour	41	May 1, 2018 thru December 31, 2018	$ 47.00	$ 1,926.79
Jessie Thompson Gladish	Field Labour	102.5	May 1, 2018 thru December 31, 2018	$ 64.00	$ 6,559.30
Julia Lane	Sr. Geologist	46.89	May 1, 2018 thru December 31, 2018	$ 111.00	$ 5,204.65
Kirein McClenahan	Field Labour	65.59	May 1, 2018 thru December 31, 2018	$ 49.00	$ 3,214.06
Liz Smith	Logistics & Office & Field Labour	21.01	May 1, 2018 thru December 31, 2018	$ 83.00	$ 1,743.85
Lorna Corbett	Logistics & Office	27.16	May 1, 2018 thru December 31, 2018	$ 83.00	$ 2,254.25
Matt Dumala	Engineer	56.88	May 1, 2018 thru December 31, 2018	$ 111.00	$ 6,313.84
Scott Newman	Office & Mapping	17.42	May 1, 2018 thru December 31, 2018	$ 69.00	$ 1,202.20
Shawn Slipetz	Expediting	19.99	May 1, 2018 thru December 31, 2018	$ 69.00	$ 1,378.99
Steve Israel	Sr. Geologist	101	May 1, 2018 thru December 31, 2018	$ 111.00	$ 11,205.64
Thomas Rozsypaleck	Field Labour	106.6	May 1, 2018 thru December 31, 2018	$ 47.00	$ 5,009.66
Wayne Schneider	Logistics & Support	7.174	May 1, 2018 thru December 31, 2018	$ 98.00	$ 703.07
					$ 68,866.22

Expenses

Field room and board	61.5 Mandays	$ 6,150.00
Whitehorse room and board	4 Mandays	$ 720.00
Fireweed Helicopters		$ 30,536.06
Alkan Air		$ 6,471.16
Skivik Holdings		$ 400.35
Carvest Holdings Ltd.		$ 1,931.92
ALS Chemex		$ 17,894.84
Ecofor		$ 31,282.50
Keno City Hotel		$ 5,568.00
AC Provided Fuel		$ 1,116.10
		$ 102,070.93

Total 2018 expenditures $ 170,937.15

Statment of Expenditures
Group J
February 22, 2019

Labour

Employee	Job Description	Hrs	Time Period	Rate/hr	Total
Adam Coulter	Geologist	1.625	May 1, 2018 thru December 31, 2018	$ 80.00	$ 130.01
Andrew Carne	Engineer	2.427	May 1, 2018 thru December 31, 2018	$ 94.00	$ 228.12
Cam Webber	Field Labour	0.253	May 1, 2018 thru December 31, 2018	$ 58.00	$ 14.65
Heather Burrell	Sr. Geologist	0.044	May 1, 2018 thru December 31, 2018	$ 111.00	$ 4.88
Jack Morton	Sr. Geologist	1.01	May 1, 2018 thru December 31, 2018	$ 96.00	$ 96.98
Jason Brockman-Jack	Field Labour	0.878	May 1, 2018 thru December 31, 2018	$ 47.00	$ 41.29
Jessie Thompson Gladish	Field Labour	2.196	May 1, 2018 thru December 31, 2018	$ 64.00	$ 140.56
Julia Lane	Sr. Geologist	1.005	May 1, 2018 thru December 31, 2018	$ 111.00	$ 111.53
Kirein McClenahan	Field Labour	1.406	May 1, 2018 thru December 31, 2018	$ 49.00	$ 68.87
Liz Smith	Logistics & Office & Field Labour	0.45	May 1, 2018 thru December 31, 2018	$ 83.00	$ 37.37
Lorna Corbett	Logistics & Office	0.582	May 1, 2018 thru December 31, 2018	$ 83.00	$ 48.31
Matt Dumala	Engineer	1.219	May 1, 2018 thru December 31, 2018	$ 111.00	$ 135.30
Scott Newman	Office & Mapping	0.373	May 1, 2018 thru December 31, 2018	$ 69.00	$ 25.76
Shawn Slipetz	Expediting	0.428	May 1, 2018 thru December 31, 2018	$ 69.00	$ 29.55
Steve Israel	Sr. Geologist	2.163	May 1, 2018 thru December 31, 2018	$ 111.00	$ 240.12
Thomas Rozsypaleck	Field Labour	2.284	May 1, 2018 thru December 31, 2018	$ 47.00	$ 107.35
Wayne Schneider	Logistics & Support	0.154	May 1, 2018 thru December 31, 2018	$ 98.00	$ 15.07
					$ 1,475.70

Expenses

Field room and board	1.5 Mandays	$	150.00
Fireweed Helicopters		$	472.51
Alkan Air		$	138.66
Skivik Holdings		$	8.58
Carvest Holdings Ltd.		$	41.40
ALS Chemex		$	383.46
Blue Coast Metallurgy		$	15,780.34
Vanessa Bennett		P	
		$	16,974.95

Total 2018 expenditures	$	18,450.65

Statment of Expenditures
Group K
February 22, 2019

Labour

Employee	Job Description	Hrs	Time Period	Rate/hr	Total
Adam Coulter	Geologist	63.92	May 1, 2018 thru December 31, 2018	$ 80.00	$ 5,113.91
Andrew Carne	Engineer	95.45	May 1, 2018 thru December 31, 2018	$ 94.00	$ 8,972.66
Cam Webber	Field Labour	9.934	May 1, 2018 thru December 31, 2018	$ 58.00	$ 576.18
Heather Burrell	Sr. Geologist	1.728	May 1, 2018 thru December 31, 2018	$ 111.00	$ 191.77
Jack Morton	Sr. Geologist	39.74	May 1, 2018 thru December 31, 2018	$ 96.00	$ 3,814.70
Jason Brockman-Jack	Field Labour	34.55	May 1, 2018 thru December 31, 2018	$ 47.00	$ 1,624.01
Jessie Thompson Gladish	Field Labour	86.38	May 1, 2018 thru December 31, 2018	$ 64.00	$ 5,528.55
Julia Lane	Sr. Geologist	39.52	May 1, 2018 thru December 31, 2018	$ 111.00	$ 4,386.78
Kirein McClenahan	Field Labour	55.29	May 1, 2018 thru December 31, 2018	$ 49.00	$ 2,708.99
Liz Smith	Logistics & Office & Field Labour	17.71	May 1, 2018 thru December 31, 2018	$ 83.00	$ 1,469.82
Lorna Corbett	Logistics & Office	22.89	May 1, 2018 thru December 31, 2018	$ 83.00	$ 1,900.01
Matt Dumala	Engineer	47.94	May 1, 2018 thru December 31, 2018	$ 111.00	$ 5,321.66
Scott Newman	Office & Mapping	14.69	May 1, 2018 thru December 31, 2018	$ 69.00	$ 1,013.28
Shawn Slipetz	Expediting	16.84	May 1, 2018 thru December 31, 2018	$ 69.00	$ 1,162.29
Steve Israel	Sr. Geologist	85.09	May 1, 2018 thru December 31, 2018	$ 111.00	$ 9,444.75
Thomas Rozsypaleck	Field Labour	89.84	May 1, 2018 thru December 31, 2018	$ 47.00	$ 4,222.43
Wayne Schneider	Logistics & Support	6.047	May 1, 2018 thru December 31, 2018	$ 98.00	$ 592.59
					$ 58,044.38

Expenses

Field room and board	59 Mandays	$ 5,900.00
Whitehorse room and board	4 Mandays	$ 720.00
Fireweed Helicopters		$ 18,585.48
Alkan Air		$ 5,454.26
Skivik Holdings		$ 337.44
Carvest Holdings Ltd.		$ 1,628.33
ALS Chemex		$ 15,082.80
		$ 47,708.31

Total 2018 expenditures $ 105,752.69

Statment of Expenditures
Group L
February 22, 2019

Labour

Employee	Job Description	Hrs	Time Period	Rate/hr	Total
Adam Coulter	Geologist	6.609	May 1, 2018 thru December 31, 2018	$ 80.00	$ 528.73
Andrew Carne	Engineer	9.869	May 1, 2018 thru December 31, 2018	$ 94.00	$ 927.68
Cam Webber	Field Labour	1.027	May 1, 2018 thru December 31, 2018	$ 58.00	$ 59.57
Heather Burrell	Sr. Geologist	0.179	May 1, 2018 thru December 31, 2018	$ 111.00	$ 19.83
Jack Morton	Sr. Geologist	4.108	May 1, 2018 thru December 31, 2018	$ 96.00	$ 394.40
Jason Brockman-Jack	Field Labour	3.572	May 1, 2018 thru December 31, 2018	$ 47.00	$ 167.91
Jessie Thompson Gladish	Field Labour	8.931	May 1, 2018 thru December 31, 2018	$ 64.00	$ 571.60
Julia Lane	Sr. Geologist	4.086	May 1, 2018 thru December 31, 2018	$ 111.00	$ 453.55
Kirein McClenahan	Field Labour	5.716	May 1, 2018 thru December 31, 2018	$ 49.00	$ 280.08
Liz Smith	Logistics & Office & Field Labour	1.831	May 1, 2018 thru December 31, 2018	$ 83.00	$ 151.96
Lorna Corbett	Logistics & Office	2.367	May 1, 2018 thru December 31, 2018	$ 83.00	$ 196.44
Matt Dumala	Engineer	4.957	May 1, 2018 thru December 31, 2018	$ 111.00	$ 550.21
Scott Newman	Office & Mapping	1.518	May 1, 2018 thru December 31, 2018	$ 69.00	$ 104.76
Shawn Slipetz	Expediting	1.742	May 1, 2018 thru December 31, 2018	$ 69.00	$ 120.17
Steve Israel	Sr. Geologist	8.797	May 1, 2018 thru December 31, 2018	$ 111.00	$ 976.49
Thomas Rozsypaleck	Field Labour	9.288	May 1, 2018 thru December 31, 2018	$ 47.00	$ 436.56
Wayne Schneider	Logistics & Support	0.625	May 1, 2018 thru December 31, 2018	$ 98.00	$ 61.27
					$ 6,001.20

Expenses

Field room and board	5 Mandays	$ 500.00
Fireweed Helicopters		$ 1,921.55
Alkan Air		$ 563.92
Skivik Holdings		$ 34.89
Carvest Holdings Ltd.		$ 168.35
ALS Chemex		$ 1,559.41
		$ 4,748.12

Total 2018 expenditures $ 10,749.32

APPENDIX III

CERTIFICATES OF ANALYSIS

ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: +1 (604) 984 0221 Fax: +1 (604) 984 0218
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- JUL- 2018
Account: RCM

CERTIFICATE WH18157135

Project: RAU

This report is for 257 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2- JUL- 2018.

The following have access to data associated with this certificate:

ANDREW CARNE	JULIA LANE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

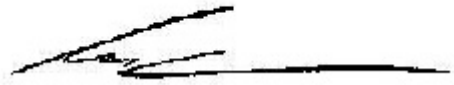
ANALYTICAL PROCEDURES

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

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

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

Signature:



Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.
2103 Dollarton Hwy
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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	WEI- 21	Au- ICP21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Recvd Wt.	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
YY00271		0.24	0.001		0.3	1.47	20	<10	80	0.8	2	0.06	<0.5	6	30	20
YY00272		0.38	0.007		0.3	1.24	87	<10	110	0.8	4	0.06	<0.5	6	27	46
YY00273		0.42	0.008		0.4	1.28	109	<10	100	0.6	3	0.06	<0.5	5	30	38
YY00274		0.31	0.090		0.4	1.72	132	<10	140	0.8	33	0.11	<0.5	10	31	36
YY00275		0.36	0.009		<0.2	1.85	101	<10	140	0.5	5	0.08	<0.5	8	30	33
YY00276		0.32	0.018		0.2	1.34	132	<10	90	0.5	5	0.04	<0.5	6	28	27
YY00277		0.42	0.003		0.3	1.95	58	<10	150	0.5	3	0.11	<0.5	7	32	29
YY00278		0.37	0.023		0.3	0.89	62	<10	70	<0.5	3	0.04	<0.5	2	17	16
YY00279		0.40	0.002		0.8	1.12	47	<10	90	<0.5	3	0.04	<0.5	3	23	14
YY00280		0.29	0.008		0.8	1.12	100	<10	90	<0.5	5	0.04	<0.5	3	25	17
YY00281		0.46	0.002		0.4	1.79	34	<10	80	0.8	<2	0.09	<0.5	7	33	45
YY00282		0.28	<0.001		0.3	1.78	28	<10	80	0.7	<2	0.07	<0.5	5	29	53
YY00283		0.34	0.001		0.2	1.65	27	<10	80	0.6	2	0.07	<0.5	5	29	37
YY00284		0.29	0.002		0.7	2.27	38	<10	120	0.5	2	0.05	<0.5	6	32	21
YY00285		0.29	0.002		1.6	1.29	23	<10	100	<0.5	<2	0.04	<0.5	3	21	18
YY00286		0.24	0.002		0.2	1.93	30	<10	130	0.7	<2	0.11	<0.5	10	32	43
YY00287		0.40	0.009		0.5	1.63	83	<10	140	0.7	2	0.05	<0.5	8	34	26
YY00288		0.39	0.009		0.3	1.41	117	<10	130	0.5	8	0.06	<0.5	5	28	17
YY00289		0.31	0.010		0.9	1.58	107	<10	130	0.6	6	0.05	<0.5	5	28	24
YY00290		0.30	0.003		0.2	1.23	47	<10	90	0.5	2	0.07	<0.5	6	25	29
YY00291		0.37	0.003		0.2	1.43	64	<10	100	0.6	2	0.06	<0.5	4	31	29
YY00292		0.34	0.002		0.3	1.58	46	<10	120	0.6	3	0.07	<0.5	6	30	33
YY00293		0.40	0.003		0.3	1.58	48	<10	100	0.7	2	0.06	<0.5	6	30	34
YY00294		0.40	0.005		0.4	1.50	48	<10	130	0.7	<2	0.09	<0.5	5	30	32
YY00295		0.33	0.002		0.5	1.57	45	<10	110	0.7	<2	0.06	<0.5	6	32	28
YY00296		0.47	0.019		0.3	1.62	24	<10	150	0.8	2	0.34	<0.5	7	34	34
YY00297		0.36	0.004		0.2	1.51	28	<10	200	0.7	<2	0.26	<0.5	8	33	29
YY00298		0.20	0.003		0.4	1.25	26	<10	200	<0.5	<2	0.63	<0.5	7	27	20
YY00299		0.29	0.004		0.6	1.72	23	<10	250	0.6	<2	1.20	2.1	8	55	48
YY00300		0.22	0.003		0.5	2.40	19	<10	90	0.7	<2	4.69	12.4	10	47	52
YY00301		0.26	0.004		0.3	2.76	23	<10	110	3.2	2	0.11	<0.5	62	28	152
YY00302		0.22	0.008		0.2	1.88	45	<10	150	2.2	3	0.14	0.7	67	26	99
YY00303		0.25	0.006		0.3	1.98	22	<10	140	2.1	2	0.11	<0.5	35	25	112
YY00304		0.29	0.035		0.3	2.15	28	<10	160	2.1	2	0.20	<0.5	32	29	98
YY00305		0.25	0.004		0.6	2.32	27	<10	170	1.8	3	0.12	<0.5	15	33	89
YY00306		0.17	0.002		0.7	2.14	11	<10	160	1.4	3	0.13	<0.5	7	37	44
YY00307		0.26	0.004		0.9	1.78	18	<10	170	1.0	<2	0.23	<0.5	9	34	39
YY00308		0.17	0.011		0.2	1.79	51	<10	110	1.0	<2	0.07	<0.5	7	36	46
YY00309		0.23	<0.001		0.3	2.07	38	<10	170	1.2	<2	0.07	<0.5	11	33	53
YY00310		0.12	0.006		0.9	1.25	14	<10	180	1.2	<2	0.44	<0.5	39	21	140

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

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CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00271		3.58	10	<1	0.09	10	0.25	253	2	<0.01	17	710	12	0.05	<2	2
YY00272		3.48	<10	<1	0.10	10	0.21	102	2	<0.01	23	900	20	0.08	<2	1
YY00273		3.71	<10	<1	0.11	10	0.24	142	3	<0.01	17	1320	16	0.10	<2	1
YY00274		3.41	<10	1	0.11	20	0.44	260	2	0.01	25	1150	14	0.06	<2	2
YY00275		3.07	<10	<1	0.08	10	0.37	270	2	<0.01	22	820	14	0.06	<2	2
YY00276		3.19	<10	<1	0.07	10	0.21	157	2	<0.01	19	780	13	0.07	<2	1
YY00277		3.17	10	<1	0.07	20	0.46	254	3	<0.01	20	820	16	0.03	<2	3
YY00278		2.43	10	<1	0.04	10	0.11	74	2	<0.01	8	440	13	0.04	2	1
YY00279		2.63	10	<1	0.07	10	0.19	129	2	<0.01	11	580	12	0.04	<2	1
YY00280		3.62	<10	<1	0.08	10	0.21	107	2	0.01	14	2370	13	0.06	2	1
YY00281		3.30	10	<1	0.05	10	0.32	251	3	0.01	21	1220	12	0.05	<2	1
YY00282		3.01	<10	<1	0.05	10	0.26	178	2	0.01	14	1030	11	0.05	<2	1
YY00283		3.17	10	<1	0.05	20	0.28	229	2	0.01	14	1190	12	0.06	<2	1
YY00284		2.89	10	<1	0.05	10	0.28	186	2	<0.01	17	480	12	0.03	<2	3
YY00285		2.40	10	<1	0.04	10	0.15	123	2	0.01	9	710	11	0.03	<2	2
YY00286		2.92	10	<1	0.08	10	0.48	300	4	0.01	25	810	15	0.04	<2	3
YY00287		5.64	10	<1	0.09	10	0.28	255	3	<0.01	32	1460	13	0.07	<2	1
YY00288		3.50	<10	<1	0.11	20	0.30	159	2	<0.01	15	1020	16	0.05	2	2
YY00289		3.03	<10	<1	0.11	20	0.30	132	2	0.01	18	1100	15	0.06	<2	2
YY00290		2.93	<10	<1	0.08	20	0.29	125	1	0.01	20	1290	10	0.04	<2	1
YY00291		3.54	<10	<1	0.09	10	0.39	129	1	0.01	21	1040	9	0.06	<2	2
YY00292		3.23	<10	<1	0.09	20	0.34	151	3	0.01	20	880	9	0.05	<2	2
YY00293		3.23	<10	<1	0.08	10	0.42	158	2	0.01	23	870	9	0.06	<2	2
YY00294		3.16	<10	<1	0.10	20	0.40	153	2	0.01	21	870	11	0.06	<2	2
YY00295		3.82	<10	<1	0.09	10	0.39	137	2	0.01	23	1010	12	0.06	<2	2
YY00296		3.00	<10	<1	0.13	20	0.50	162	2	0.02	31	1330	14	0.11	<2	2
YY00297		3.00	<10	<1	0.09	20	0.48	235	1	0.01	24	1060	13	0.05	<2	2
YY00298		2.25	<10	<1	0.07	10	0.41	356	2	0.01	19	1150	12	0.08	<2	2
YY00299		2.64	<10	<1	0.06	10	0.53	265	5	0.02	43	2060	15	0.07	<2	3
YY00300		2.06	10	<1	0.07	10	0.47	347	13	0.14	69	1550	12	0.11	<2	2
YY00301		6.49	<10	<1	0.12	10	0.37	630	3	0.02	158	1570	18	0.18	2	3
YY00302		3.69	<10	<1	0.11	20	0.40	1060	2	0.01	297	1250	18	0.07	3	3
YY00303		4.89	<10	<1	0.10	10	0.37	484	2	0.01	111	1330	16	0.12	<2	2
YY00304		4.22	<10	<1	0.09	10	0.44	553	2	0.01	109	1260	22	0.08	<2	2
YY00305		6.29	<10	<1	0.20	10	0.44	271	5	0.04	43	2140	13	0.31	<2	2
YY00306		4.16	10	<1	0.27	10	0.49	206	3	0.02	26	1330	12	0.23	<2	2
YY00307		4.01	<10	<1	0.16	10	0.39	262	5	0.03	31	2090	15	0.26	<2	2
YY00308		4.11	<10	<1	0.09	10	0.22	211	4	<0.01	23	1330	10	0.10	<2	1
YY00309		4.12	<10	<1	0.12	10	0.33	217	3	0.01	36	1070	14	0.16	<2	2
YY00310		1.88	<10	<1	0.07	10	0.21	385	1	<0.01	54	1020	10	0.11	<2	1

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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	1	20	0.01	10	10	1	10	2
YY00271		10	<20	0.05	<10	<10	67	<10	64
YY00272		15	<20	0.03	<10	<10	54	<10	63
YY00273		22	<20	0.02	<10	<10	58	<10	63
YY00274		28	<20	0.04	<10	<10	52	<10	72
YY00275		16	<20	0.03	<10	<10	50	<10	70
YY00276		15	<20	0.03	<10	<10	59	<10	65
YY00277		16	<20	0.04	<10	<10	57	<10	59
YY00278		11	<20	0.04	<10	<10	57	<10	29
YY00279		13	<20	0.04	<10	<10	60	<10	51
YY00280		18	<20	0.03	<10	<10	56	<10	52
YY00281		16	<20	0.03	<10	<10	49	<10	66
YY00282		12	<20	0.03	<10	<10	53	<10	57
YY00283		14	<20	0.03	<10	<10	54	<10	58
YY00284		10	<20	0.04	<10	<10	66	<10	47
YY00285		9	<20	0.03	<10	<10	67	<10	35
YY00286		18	<20	0.05	<10	<10	49	<10	64
YY00287		16	<20	0.02	<10	<10	113	<10	131
YY00288		26	<20	0.03	<10	<10	55	<10	58
YY00289		25	<20	0.03	<10	<10	46	<10	53
YY00290		17	<20	0.03	<10	<10	45	<10	53
YY00291		21	<20	0.04	<10	<10	49	<10	53
YY00292		17	<20	0.03	<10	<10	57	<10	52
YY00293		21	<20	0.03	<10	<10	46	<10	60
YY00294		24	<20	0.03	<10	<10	51	<10	61
YY00295		19	<20	0.04	<10	<10	54	<10	77
YY00296		62	<20	0.04	<10	<10	38	<10	78
YY00297		34	<20	0.03	<10	<10	45	<10	84
YY00298		46	<20	0.03	<10	<10	39	<10	67
YY00299		70	<20	0.03	<10	10	90	<10	130
YY00300		406	<20	0.02	<10	10	90	<10	371
YY00301		32	<20	0.04	<10	<10	44	<10	145
YY00302		21	<20	0.04	<10	<10	42	<10	249
YY00303		29	<20	0.03	<10	<10	41	<10	132
YY00304		21	<20	0.03	<10	<10	48	<10	124
YY00305		97	<20	0.04	<10	<10	56	<10	76
YY00306		81	<20	0.05	<10	<10	49	<10	57
YY00307		132	<20	0.03	<10	<10	41	<10	65
YY00308		20	<20	0.03	<10	<10	101	<10	82
YY00309		30	<20	0.04	<10	<10	65	<10	97
YY00310		68	<20	0.02	<10	<10	28	<10	63

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Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	Au- ICP21 Au Check ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
YY00311		0.19	<0.001		0.9	1.40	34	<10	100	0.5	<2	0.04	<0.5	4	30	23
YY00312		0.21	0.004		0.5	1.72	35	<10	110	1.2	<2	0.08	<0.5	6	33	50
YY00313		0.21	0.002		0.5	1.94	40	<10	110	1.1	<2	0.04	<0.5	5	34	33
YY00314		0.19	0.001		0.2	1.65	29	<10	100	0.7	<2	0.05	<0.5	6	27	21
YY00315		0.21	0.005		0.2	1.60	35	<10	170	0.9	<2	0.08	<0.5	11	29	76
YY00316		0.27	0.003		0.3	0.83	63	<10	80	<0.5	<2	0.04	<0.5	3	20	16
YY00317		0.14	0.011		0.2	0.78	33	<10	120	<0.5	<2	0.05	<0.5	3	16	15
YY00318		0.17	0.002		<0.2	1.50	54	<10	140	<0.5	<2	0.05	<0.5	4	29	14
YY00319		0.21	<0.001		<0.2	1.21	62	<10	110	<0.5	<2	0.04	<0.5	3	27	12
YY00320		0.16	0.005		<0.2	1.98	256	<10	130	0.9	6	0.05	<0.5	8	36	54
YY00321		0.14	0.011		0.3	1.71	122	<10	130	0.6	2	0.04	<0.5	6	28	22
YY00322		0.28	0.010		0.3	1.90	219	<10	60	2.3	3	0.05	<0.5	23	27	130
YY00323		0.20	0.022		0.2	1.67	255	<10	110	1.0	32	0.06	<0.5	8	35	71
YY00324		0.18	0.003		<0.2	1.36	24	<10	70	<0.5	<2	0.09	<0.5	2	29	17
YY00325		0.15	0.003		0.6	1.93	49	<10	90	0.8	2	0.06	<0.5	5	26	44
YY00326		0.15	0.006		0.4	1.54	74	<10	110	0.5	<2	0.10	<0.5	4	27	41
YY00327		0.17	0.008		0.3	2.02	70	<10	120	1.0	<2	0.05	<0.5	7	32	43
YY00328		0.20	0.029		0.2	1.88	31	<10	80	0.7	<2	0.07	<0.5	7	29	33
YY00329		0.27	0.002		0.2	1.78	28	<10	90	0.7	<2	0.07	<0.5	6	30	33
YY00330		0.18	0.001		0.3	1.37	22	<10	70	0.5	<2	0.06	<0.5	4	26	26
YY00331		0.27	0.006		0.6	1.93	17	<10	90	0.5	<2	0.08	<0.5	5	29	93
YY00332		0.22	0.001		0.8	1.45	28	<10	100	<0.5	<2	0.08	<0.5	5	29	20
YY00333		0.27	0.018		1.5	1.66	73	<10	100	0.7	3	0.04	<0.5	5	27	25
YY00334		0.23	0.001		0.5	1.58	38	<10	80	0.5	<2	0.05	<0.5	3	27	17
YY00335		0.33	0.001		0.7	1.67	40	<10	90	0.6	<2	0.04	<0.5	4	28	23
YY00336		0.22	0.004		1.1	1.43	30	<10	110	0.6	<2	0.04	<0.5	3	25	26
YY00337		0.18	0.006		0.5	1.32	30	<10	120	0.5	<2	0.07	<0.5	5	30	30
YY00338		0.16	0.013		0.9	0.83	13	<10	150	<0.5	<2	0.05	<0.5	4	20	25
YY00339		0.22	0.003		0.6	1.60	30	<10	200	0.8	<2	0.13	0.6	6	34	27
YY00340		0.19	0.042		0.6	1.55	55	<10	110	0.7	<2	0.06	0.6	6	27	32
YY00341		0.18	0.007		0.2	1.66	34	<10	130	0.5	<2	0.16	<0.5	5	33	21
YY00342		0.40	0.004		0.5	1.88	42	<10	210	1.0	<2	0.17	<0.5	10	36	38
YY00343		0.31	0.003		0.2	1.63	42	<10	230	0.8	<2	0.24	<0.5	9	38	42
YY00344		0.16	0.002		1.0	1.65	21	<10	220	0.8	<2	0.94	<0.5	9	36	33
YY00345		0.23	0.001		0.2	2.25	28	<10	180	1.0	<2	0.25	0.5	9	37	33
YY00346		0.24	0.005		3.3	2.23	40	<10	280	0.7	<2	1.05	12.7	12	70	97
YY00347		0.13	NSS		0.7	0.37	4	<10	140	<0.5	<2	5.11	5.1	2	10	24
YY00348		0.23	0.002		0.4	2.37	31	<10	210	1.1	<2	0.34	<0.5	9	46	53
YY00349		0.19	0.006		0.3	2.09	26	<10	220	1.0	2	0.24	<0.5	9	42	43
YY00350		0.25	0.009		0.7	1.79	29	<10	160	0.9	<2	0.47	<0.5	6	38	38

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

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

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00311		4.08	10	<1	0.09	10	0.20	157	2	<0.01	16	960	12	0.08	3	2
YY00312		3.53	<10	<1	0.12	10	0.33	129	2	0.01	25	1120	13	0.14	<2	1
YY00313		4.27	<10	<1	0.08	10	0.23	154	2	<0.01	19	1120	13	0.11	2	2
YY00314		3.72	<10	1	0.06	10	0.22	217	2	<0.01	19	950	13	0.06	2	1
YY00315		4.26	<10	<1	0.11	20	0.39	239	2	0.01	29	1330	11	0.14	<2	2
YY00316		3.10	<10	<1	0.08	20	0.17	114	1	<0.01	12	920	12	0.04	<2	1
YY00317		2.57	<10	<1	0.06	10	0.09	222	2	<0.01	12	830	10	0.04	<2	1
YY00318		3.31	10	<1	0.08	10	0.28	198	2	<0.01	15	640	14	0.03	<2	2
YY00319		2.79	<10	<1	0.10	10	0.21	139	1	<0.01	12	640	13	0.04	2	1
YY00320		4.42	10	<1	0.10	20	0.30	159	3	<0.01	25	1010	14	0.08	3	2
YY00321		3.06	<10	<1	0.07	10	0.26	198	1	<0.01	17	540	21	0.04	<2	1
YY00322		7.57	<10	1	0.06	40	0.22	500	2	<0.01	76	2350	9	0.13	7	2
YY00323		4.93	<10	<1	0.19	20	0.48	286	3	0.01	26	1960	13	0.19	3	1
YY00324		2.11	<10	<1	0.09	10	0.39	86	1	<0.01	12	860	8	0.07	<2	1
YY00325		3.95	10	<1	0.05	10	0.27	169	2	<0.01	18	730	16	0.07	<2	2
YY00326		3.06	<10	<1	0.05	20	0.40	133	2	<0.01	17	1150	13	0.12	<2	1
YY00327		4.02	<10	<1	0.08	20	0.42	260	2	<0.01	21	930	15	0.08	<2	2
YY00328		2.93	10	<1	0.05	10	0.30	264	3	<0.01	18	940	13	0.04	<2	2
YY00329		3.25	10	<1	0.05	10	0.30	287	2	<0.01	16	1100	12	0.06	<2	1
YY00330		3.07	10	<1	0.04	10	0.21	181	2	<0.01	13	930	13	0.06	2	1
YY00331		3.22	10	<1	0.04	20	0.28	200	2	<0.01	13	710	11	0.04	<2	2
YY00332		3.77	10	<1	0.06	10	0.34	175	2	<0.01	17	1090	14	0.05	<2	2
YY00333		3.21	<10	<1	0.08	20	0.32	131	2	<0.01	18	860	10	0.06	2	2
YY00334		3.15	<10	<1	0.05	10	0.29	172	2	<0.01	14	910	10	0.04	3	2
YY00335		3.24	<10	<1	0.05	10	0.32	143	2	<0.01	16	790	9	0.05	<2	2
YY00336		2.66	<10	<1	0.05	10	0.18	112	2	<0.01	13	1100	10	0.05	2	1
YY00337		3.05	<10	<1	0.07	10	0.31	185	2	<0.01	17	1310	10	0.07	<2	1
YY00338		2.24	<10	<1	0.05	10	0.15	125	2	<0.01	14	1220	12	0.06	<2	<1
YY00339		3.59	<10	<1	0.10	10	0.39	213	2	<0.01	20	2710	14	0.06	<2	2
YY00340		3.38	<10	<1	0.09	10	0.32	168	3	<0.01	21	1140	13	0.07	<2	2
YY00341		2.66	<10	<1	0.10	10	0.49	158	3	0.02	25	980	13	0.14	<2	1
YY00342		3.26	<10	<1	0.09	20	0.48	267	2	0.01	31	1230	15	0.08	<2	2
YY00343		3.47	<10	<1	0.09	20	0.48	324	2	0.01	33	1180	20	0.04	<2	3
YY00344		2.91	<10	1	0.11	10	0.58	344	2	0.01	34	1220	15	0.12	<2	2
YY00345		3.31	<10	<1	0.10	10	0.48	339	8	0.02	30	1780	11	0.10	2	2
YY00346		4.30	<10	<1	0.09	10	0.59	602	19	0.07	93	4860	34	0.06	10	5
YY00347		0.49	<10	<1	0.02	<10	0.06	326	6	0.01	15	870	3	0.18	3	1
YY00348		4.12	10	<1	0.24	10	0.69	187	6	0.04	39	1840	18	0.18	3	2
YY00349		3.93	10	<1	0.29	10	0.63	188	4	0.02	33	1330	14	0.13	2	3
YY00350		3.36	<10	<1	0.18	10	0.51	164	6	0.02	30	1540	12	0.12	2	2

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VANCOUVER BC V6B 1L8

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
YY00311		14	<20	0.04	<10	<10	70	<10	69
YY00312		23	<20	0.04	<10	<10	63	<10	88
YY00313		22	<20	0.04	<10	<10	58	<10	75
YY00314		12	<20	0.03	<10	<10	56	<10	65
YY00315		28	<20	0.03	<10	<10	43	<10	57
YY00316		17	<20	0.03	<10	<10	40	<10	48
YY00317		14	<20	0.03	<10	<10	56	<10	50
YY00318		12	<20	0.04	<10	<10	72	<10	50
YY00319		14	<20	0.03	<10	<10	63	<10	48
YY00320		26	<20	0.04	<10	<10	75	<10	70
YY00321		24	<20	0.02	<10	<10	55	<10	67
YY00322		52	<20	0.01	<10	<10	38	<10	123
YY00323		38	<20	0.03	<10	<10	54	<10	81
YY00324		15	<20	0.03	<10	<10	44	<10	35
YY00325		17	<20	0.04	<10	<10	61	<10	50
YY00326		24	<20	0.02	<10	<10	47	<10	46
YY00327		25	<20	0.03	<10	<10	53	<10	60
YY00328		13	<20	0.03	<10	<10	52	<10	60
YY00329		13	<20	0.02	<10	<10	50	<10	67
YY00330		12	<20	0.03	<10	<10	56	<10	47
YY00331		11	<20	0.03	<10	<10	61	<10	48
YY00332		17	<20	0.03	<10	<10	59	<10	72
YY00333		16	<20	0.03	<10	<10	43	<10	50
YY00334		11	<20	0.03	<10	<10	54	<10	45
YY00335		13	<20	0.03	<10	<10	49	<10	49
YY00336		13	<20	0.01	<10	<10	45	<10	40
YY00337		17	<20	0.03	<10	<10	53	<10	60
YY00338		19	<20	0.02	<10	<10	40	<10	57
YY00339		26	<20	0.03	<10	<10	62	<10	102
YY00340		21	<20	0.03	<10	<10	54	<10	70
YY00341		53	<20	0.04	<10	<10	35	<10	68
YY00342		46	<20	0.03	<10	<10	50	<10	79
YY00343		44	<20	0.03	<10	<10	51	<10	83
YY00344		63	<20	0.04	<10	<10	39	<10	69
YY00345		54	<20	0.03	<10	<10	51	<10	90
YY00346		64	<20	0.02	<10	<10	60	<10	329
YY00347		123	<20	0.01	<10	<10	36	<10	34
YY00348		136	<20	0.04	<10	<10	49	<10	78
YY00349		106	<20	0.06	<10	<10	55	<10	83
YY00350		81	<20	0.04	<10	<10	49	<10	67

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CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	Au- ICP21 Au Check ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
YY00351		0.22	0.006		1.4	2.59	32	<10	290	1.5	2	2.39	3.1	14	122	93
YY00352		0.20	0.002		0.6	2.20	19	<10	220	1.1	<2	0.44	<0.5	5	44	38
YY00353		0.09	0.037		0.8	1.25	15	<10	180	0.7	<2	2.04	2.3	12	33	41
YY00354		0.21	0.004		0.6	1.81	14	<10	140	0.7	<2	2.27	1.2	9	37	51
YY00355		0.14	0.003		0.9	1.44	15	10	110	0.5	<2	3.23	6.6	11	51	98
YY00356		0.18	0.003		0.8	1.79	17	<10	130	0.6	14	2.09	6.8	16	35	81
YY00357		0.24	0.008		0.7	2.36	21	<10	220	1.0	2	1.80	2.5	12	155	62
YY00358		0.28	0.001		1.1	1.46	21	<10	130	1.0	9	1.16	10.4	17	27	194
YY00359		0.24	<0.001		0.6	1.38	16	<10	110	0.7	5	0.94	0.8	10	23	57
YY00360		0.24	0.011		0.3	1.43	17	<10	110	0.9	3	0.29	<0.5	14	23	82
YY00361		0.14	0.005		0.3	0.98	51	<10	90	0.8	2	0.07	<0.5	7	28	36
YY00362		0.24	0.006		0.3	1.93	29	<10	260	1.3	3	0.28	<0.5	21	31	146
YY00363		0.11	0.009		0.3	1.18	14	<10	110	0.8	3	0.06	<0.5	7	25	96
YY00364		0.29	0.002		0.3	1.27	22	<10	180	0.8	<2	0.28	<0.5	9	27	31
YY00365		0.23	0.003		0.4	1.43	35	<10	90	1.2	2	0.15	<0.5	19	23	56
YY00366		0.12	0.001		0.5	1.82	28	<10	180	0.9	<2	0.14	<0.5	13	32	65
YY00367		0.16	0.010		0.2	1.29	45	<10	110	0.6	2	0.08	<0.5	6	24	64
YY00368		0.09	0.001		<0.2	1.62	20	<10	100	0.7	<2	0.05	<0.5	6	36	27
YY00369		0.09	0.002		0.4	1.25	50	<10	160	0.6	<2	0.17	0.5	8	28	24
YY00370		0.09	0.122		0.3	1.35	247	<10	160	0.8	8	0.08	<0.5	10	31	40
YY00371		0.07	0.006		0.2	1.44	221	<10	150	0.7	3	0.09	0.5	9	29	29
YY00372		0.14	0.083		0.3	1.76	426	<10	120	0.8	2	0.06	<0.5	10	35	78
YY00373		0.07	0.006		0.5	1.25	90	<10	100	0.6	3	0.06	<0.5	3	28	33
YY00374		0.09	0.001		2.1	1.29	39	<10	190	0.8	<2	0.28	0.6	7	30	32
YY00375		0.10	0.001		0.6	1.33	27	<10	80	<0.5	<2	0.04	<0.5	4	26	24
YY00376		0.20	0.005		0.4	2.33	34	<10	210	1.1	2	0.06	<0.5	15	39	67
YY00377		0.14	0.002		<0.2	1.72	26	<10	160	0.6	<2	0.07	<0.5	8	31	35
YY00378		0.11	0.005		0.2	1.64	28	<10	90	0.6	<2	0.06	<0.5	7	29	24
YY00379		0.09	0.007		1.1	1.19	103	<10	120	0.8	4	0.05	<0.5	8	29	58
YY00380		0.12	0.007		0.7	1.70	76	<10	150	1.7	3	0.09	<0.5	31	37	118
YY00381		0.13	0.008		1.2	1.87	88	<10	150	2.0	2	0.07	<0.5	30	41	140
YY00382		0.19	0.040		0.8	1.66	315	<10	180	1.3	30	0.10	<0.5	16	34	86
YY00383		0.12	0.075		0.7	1.21	251	<10	140	1.0	34	0.12	<0.5	15	29	67
YY00384		0.17	0.010		0.6	1.62	126	<10	120	1.2	8	0.08	0.5	33	37	80
YY00385		0.19	0.013		0.7	1.66	299	<10	140	1.2	16	0.07	<0.5	19	36	95
YY00386		0.12	0.006		0.8	1.35	237	<10	170	0.5	21	0.05	0.7	5	32	57
YY00387		0.16	0.012		1.0	1.90	93	<10	190	0.7	10	0.07	0.5	9	40	75
YY00388		0.17	0.003		0.7	1.64	73	<10	140	0.9	<2	0.09	<0.5	10	32	61
YY00389		0.20	0.007		0.7	1.53	72	<10	90	1.1	<2	0.07	<0.5	7	37	62
YY00390		0.21	<0.001		0.2	1.64	22	<10	90	0.5	<2	0.07	<0.5	6	28	22

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Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00351		5.82	10	<1	0.28	10	0.82	407	13	0.04	100	>10000	19	0.17	4	5
YY00352		3.76	10	<1	0.36	10	0.66	138	6	0.03	33	1630	9	0.19	2	2
YY00353		2.05	<10	<1	0.08	10	0.44	402	3	0.02	52	1490	10	0.12	<2	2
YY00354		2.45	<10	<1	0.09	10	0.52	228	7	0.08	65	1560	13	0.11	2	2
YY00355		2.25	<10	<1	0.04	10	0.38	420	12	0.04	130	1480	14	0.16	4	1
YY00356		3.45	<10	<1	0.07	10	0.50	465	20	0.06	153	1420	19	0.08	<2	2
YY00357		4.61	10	<1	0.08	10	0.63	674	13	0.04	72	6920	14	0.17	5	1
YY00358		4.43	<10	1	0.06	10	0.30	598	4	0.03	71	1330	20	0.10	3	2
YY00359		3.41	<10	<1	0.05	10	0.32	387	7	0.02	52	1440	38	0.08	<2	1
YY00360		4.16	<10	<1	0.07	10	0.35	523	8	0.02	56	1590	13	0.12	<2	1
YY00361		3.30	<10	<1	0.12	10	0.20	161	2	<0.01	24	1210	42	0.11	<2	1
YY00362		4.33	<10	<1	0.12	20	0.45	359	2	0.01	68	1540	18	0.16	<2	2
YY00363		5.46	<10	<1	0.13	20	0.25	117	2	0.02	30	2120	13	0.24	<2	1
YY00364		2.74	<10	<1	0.08	10	0.41	250	1	0.01	38	980	12	0.05	<2	2
YY00365		2.57	<10	<1	0.08	20	0.32	235	1	<0.01	84	1060	10	0.10	<2	1
YY00366		3.65	10	<1	0.09	10	0.38	179	2	0.01	44	1020	13	0.09	<2	1
YY00367		3.37	<10	<1	0.08	20	0.31	142	2	<0.01	22	1180	11	0.10	<2	1
YY00368		4.41	10	<1	0.10	10	0.36	158	2	<0.01	25	750	9	0.06	<2	2
YY00369		3.68	10	<1	0.09	10	0.31	235	2	<0.01	22	830	9	0.06	<2	1
YY00370		4.38	<10	1	0.13	20	0.27	175	3	<0.01	30	1630	12	0.13	2	2
YY00371		3.49	<10	<1	0.10	20	0.29	148	3	<0.01	31	1410	13	0.06	<2	2
YY00372		5.02	10	<1	0.09	10	0.28	153	5	<0.01	32	1160	16	0.07	<2	1
YY00373		2.86	10	<1	0.09	10	0.17	84	2	<0.01	15	1300	17	0.04	<2	1
YY00374		3.01	<10	<1	0.06	10	0.21	98	2	0.01	22	1110	17	0.10	2	<1
YY00375		3.29	10	<1	0.06	10	0.21	138	3	<0.01	12	590	16	0.03	<2	1
YY00376		3.88	10	<1	0.09	20	0.45	325	2	<0.01	39	500	17	0.02	<2	3
YY00377		3.54	10	<1	0.07	10	0.35	270	2	<0.01	21	510	16	0.02	2	2
YY00378		3.71	10	<1	0.06	10	0.29	278	2	<0.01	17	760	15	0.02	<2	2
YY00379		3.78	<10	<1	0.08	10	0.20	161	4	0.02	31	1620	31	0.15	2	<1
YY00380		4.95	<10	<1	0.08	20	0.41	361	5	0.03	81	1730	29	0.14	4	2
YY00381		5.79	<10	<1	0.07	40	0.35	345	7	0.03	94	2360	36	0.19	4	1
YY00382		4.86	<10	<1	0.15	20	0.36	352	4	0.02	40	2230	28	0.21	5	2
YY00383		4.43	<10	<1	0.17	20	0.32	239	3	0.01	40	1640	30	0.17	4	1
YY00384		4.46	<10	1	0.08	20	0.33	546	5	0.01	55	2040	25	0.12	4	1
YY00385		4.60	<10	<1	0.11	30	0.33	431	5	0.01	37	2360	26	0.19	3	1
YY00386		3.45	<10	<1	0.07	20	0.20	53	2	<0.01	16	2040	14	0.11	2	1
YY00387		3.63	<10	<1	0.10	10	0.36	136	3	0.01	37	1740	19	0.13	3	1
YY00388		3.91	<10	<1	0.05	20	0.33	301	3	0.01	26	1740	17	0.09	3	1
YY00389		5.37	<10	<1	0.05	20	0.36	267	4	0.01	23	2760	15	0.10	4	2
YY00390		3.18	10	<1	0.05	10	0.28	296	2	<0.01	15	1080	12	0.06	2	1

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

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

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
YY00351		162	<20	0.05	<10	10	111	<10	385
YY00352		88	<20	0.05	<10	<10	45	<10	54
YY00353		80	<20	0.03	<10	10	47	<10	79
YY00354		145	<20	0.03	<10	<10	64	<10	93
YY00355		141	<20	0.02	<10	10	110	<10	384
YY00356		142	<20	0.03	<10	<10	72	<10	866
YY00357		113	<20	0.02	<10	10	115	<10	209
YY00358		49	<20	0.02	<10	<10	48	10	1640
YY00359		46	<20	0.02	<10	<10	39	<10	258
YY00360		36	<20	0.02	<10	<10	35	10	117
YY00361		20	<20	0.03	<10	<10	48	<10	107
YY00362		40	<20	0.03	<10	<10	48	10	88
YY00363		37	<20	0.02	<10	<10	36	10	40
YY00364		29	<20	0.03	<10	<10	47	<10	92
YY00365		18	<20	0.03	<10	<10	37	<10	75
YY00366		24	<20	0.03	<10	<10	55	<10	89
YY00367		23	<20	0.02	<10	<10	37	<10	56
YY00368		11	<20	0.06	<10	<10	75	<10	54
YY00369		24	<20	0.04	<10	<10	58	<10	69
YY00370		39	<20	0.04	<10	<10	62	10	81
YY00371		54	<20	0.03	<10	<10	58	<10	131
YY00372		25	<20	0.03	<10	<10	69	<10	104
YY00373		11	<20	0.04	<10	<10	59	<10	57
YY00374		57	<20	0.02	<10	<10	62	<10	85
YY00375		10	<20	0.04	<10	<10	69	<10	50
YY00376		14	<20	0.04	<10	<10	66	<10	100
YY00377		14	<20	0.03	<10	<10	68	<10	78
YY00378		13	<20	0.03	<10	<10	70	<10	76
YY00379		45	<20	0.01	<10	<10	51	<10	117
YY00380		62	<20	0.02	<10	<10	57	<10	202
YY00381		81	<20	0.01	<10	<10	56	<10	252
YY00382		84	<20	0.02	<10	<10	55	<10	117
YY00383		59	<20	0.02	<10	<10	44	<10	134
YY00384		60	<20	0.02	<10	<10	56	<10	155
YY00385		79	<20	0.02	<10	<10	54	<10	101
YY00386		48	<20	0.01	<10	<10	39	<10	42
YY00387		34	<20	0.02	<10	<10	57	<10	79
YY00388		19	<20	0.02	<10	<10	50	<10	79
YY00389		23	<20	0.02	<10	<10	47	<10	102
YY00390		10	<20	0.02	<10	<10	62	<10	69

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VANCOUVER BC V6B 1L8

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	Au- ICP21 Au Check ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
YY00391		0.14	<0.001		0.9	1.37	19	<10	100	<0.5	<2	0.05	0.5	5	23	13
YY00392		0.14	0.001		0.7	0.66	10	<10	120	<0.5	<2	0.09	<0.5	2	15	18
YY00393		0.21	0.001		0.7	1.12	30	<10	110	<0.5	<2	0.05	<0.5	3	23	18
YY00394		0.20	0.002		0.4	1.56	39	<10	120	0.7	2	0.07	<0.5	6	28	29
YY00395		0.15	<0.001		0.6	1.37	19	<10	120	0.5	<2	0.07	<0.5	4	24	20
YY00396		0.15	0.001		0.7	0.77	30	<10	190	<0.5	2	0.12	<0.5	5	20	37
YY00397		0.19	0.005		0.3	1.06	46	<10	110	<0.5	<2	0.05	<0.5	4	26	20
YY00398		0.25	0.006		0.6	0.95	44	<10	110	<0.5	<2	0.03	<0.5	4	24	20
YY00399		0.21	0.001		0.4	1.17	42	<10	210	0.5	<2	0.07	0.5	5	27	18
YY00400		0.18	0.002		0.7	0.99	38	<10	110	0.5	<2	0.05	<0.5	5	23	23
YY00401		0.20	0.009		0.6	0.95	30	<10	120	<0.5	2	0.08	<0.5	5	24	16
YY00402		0.21	<0.001		0.2	1.28	30	<10	130	0.6	<2	0.07	0.5	4	32	24
YY00403		0.24	0.002		0.3	1.23	29	<10	190	0.5	<2	0.16	<0.5	6	27	23
YY00404		0.12	<0.001		0.8	1.43	17	<10	240	0.9	<2	1.00	<0.5	8	25	54
YY00405		0.19	0.006		0.5	1.65	33	<10	210	0.8	<2	0.14	0.5	7	37	29
YY00406		0.21	0.001		0.4	1.37	26	<10	160	0.6	<2	0.12	<0.5	5	29	20
YY00407		0.16	<0.001		0.8	2.21	29	<10	230	0.9	<2	0.29	<0.5	5	48	41
YY00408		0.15	0.001		0.8	0.84	19	<10	160	0.5	<2	0.30	0.5	4	19	26
YY00409		0.24	<0.001		0.5	1.66	37	<10	200	0.8	<2	0.23	0.5	6	35	23
YY00410		0.15	<0.001		0.4	1.56	21	<10	120	0.6	<2	0.06	<0.5	5	37	14
YY00411		0.18	<0.001		0.2	0.96	9	<10	120	<0.5	<2	0.07	0.6	4	23	10
YY00412		0.16	0.009		2.3	2.18	100	<10	270	0.8	4	1.24	1.0	12	136	79
YY00413		0.15	0.001		0.7	1.03	15	<10	120	<0.5	<2	0.20	<0.5	6	30	26
YY00414		0.16	<0.001		0.5	1.31	10	<10	120	0.8	2	1.49	1.1	9	30	39
YY00415		0.15	0.005		0.6	2.28	17	<10	120	0.7	<2	1.84	5.1	11	74	48
YY00416		0.14	0.002		0.8	1.69	22	<10	120	0.6	<2	2.29	8.3	11	59	59
YY00417		0.18	0.001		0.9	1.71	21	<10	160	0.7	<2	1.34	9.1	11	41	88
YY00418		0.17	<0.001		0.4	1.65	20	<10	160	0.7	<2	0.65	1.2	9	69	42
YY00419		0.16	0.002		<0.2	1.42	17	<10	120	0.6	<2	0.11	0.5	7	31	32
YY00420		0.16	<0.001		0.2	2.11	24	<10	180	1.0	<2	0.29	1.2	16	38	55
YY00421		0.17	<0.001		0.3	1.60	19	<10	130	1.0	2	0.23	0.9	16	25	58
YY00422		0.16	<0.001		1.0	1.04	14	<10	140	0.6	<2	0.30	1.0	10	22	40
YY00423		0.22	<0.001		0.5	1.48	15	<10	110	0.9	<2	0.33	<0.5	12	23	80
YY00424		0.16	<0.001		0.5	1.42	33	<10	130	1.0	4	0.39	1.7	17	25	122
YY00425		0.20	0.011		0.3	1.65	24	<10	190	1.0	5	0.21	0.8	15	27	148
YY00426		0.15	<0.001		0.5	1.15	8	<10	180	0.6	<2	0.77	0.9	8	26	51
YY00427		0.21	<0.001		0.4	1.42	4	<10	200	0.6	<2	1.64	2.2	9	38	82
YY00428		0.19	<0.001		0.2	0.93	13	<10	70	<0.5	<2	0.06	<0.5	5	22	24
YY00429		0.22	0.002		<0.2	1.33	15	<10	110	0.8	<2	0.12	<0.5	67	28	37
YY00430		0.18	<0.001		0.4	1.68	14	<10	170	1.6	<2	0.12	<0.5	78	27	65

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VANCOUVER BC V6B 1L8

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00391		2.68	10	<1	0.05	10	0.23	189	3	<0.01	12	670	11	0.03	3	1
YY00392		1.63	<10	<1	0.04	10	0.09	101	1	<0.01	11	1460	8	0.04	<2	<1
YY00393		2.81	<10	<1	0.05	10	0.19	132	2	<0.01	13	1400	10	0.03	<2	1
YY00394		3.00	<10	<1	0.06	10	0.36	266	2	<0.01	19	1290	10	0.04	<2	1
YY00395		2.59	10	<1	0.05	10	0.21	129	2	<0.01	14	960	11	0.05	<2	1
YY00396		2.78	<10	<1	0.07	10	0.16	257	2	0.01	16	1190	15	0.11	<2	<1
YY00397		3.08	<10	<1	0.09	10	0.29	137	2	<0.01	16	700	14	0.04	<2	1
YY00398		3.02	<10	<1	0.09	10	0.19	135	2	<0.01	13	800	16	0.05	3	1
YY00399		3.05	<10	<1	0.11	10	0.25	180	2	<0.01	16	970	15	0.07	<2	<1
YY00400		2.61	<10	<1	0.08	10	0.19	395	2	<0.01	14	1320	13	0.10	3	<1
YY00401		2.42	<10	<1	0.08	10	0.25	479	2	<0.01	13	860	18	0.05	2	<1
YY00402		3.01	<10	<1	0.13	10	0.35	114	2	0.01	21	930	14	0.10	<2	<1
YY00403		2.53	<10	<1	0.08	10	0.33	294	2	<0.01	17	760	16	0.05	<2	1
YY00404		2.94	<10	<1	0.10	10	0.36	477	1	0.01	30	1540	19	0.15	<2	2
YY00405		3.46	<10	<1	0.18	10	0.49	221	2	<0.01	23	940	13	0.07	2	2
YY00406		2.87	10	<1	0.12	10	0.35	209	2	<0.01	18	800	11	0.06	<2	1
YY00407		2.90	10	<1	0.25	10	0.57	169	6	0.02	22	1680	12	0.12	<2	1
YY00408		2.03	<10	<1	0.09	10	0.17	115	2	0.01	16	1040	9	0.11	<2	<1
YY00409		4.03	10	<1	0.30	10	0.53	230	3	0.01	23	1020	12	0.13	<2	2
YY00410		3.85	10	<1	0.21	10	0.49	200	2	0.01	17	740	10	0.07	<2	2
YY00411		1.87	10	<1	0.09	10	0.21	166	2	<0.01	11	540	10	0.05	<2	1
YY00412		7.30	10	<1	0.18	20	0.39	379	5	0.03	57	9470	27	0.27	4	1
YY00413		2.56	<10	<1	0.15	10	0.28	125	8	0.01	22	1400	17	0.14	<2	<1
YY00414		2.45	<10	<1	0.13	10	0.34	421	5	0.03	31	2650	13	0.19	2	1
YY00415		3.28	10	<1	0.05	10	0.38	403	34	0.07	151	2580	20	0.12	<2	2
YY00416		3.19	<10	<1	0.06	10	0.37	440	25	0.07	123	1920	21	0.13	<2	2
YY00417		3.11	<10	<1	0.06	10	0.41	387	10	0.03	101	2170	20	0.10	2	2
YY00418		3.22	<10	<1	0.12	10	0.48	341	6	0.02	43	2980	12	0.14	<2	1
YY00419		3.42	<10	<1	0.07	10	0.37	233	3	<0.01	27	1020	14	0.06	<2	1
YY00420		4.05	10	<1	0.10	10	0.44	451	9	0.03	57	2040	15	0.15	<2	2
YY00421		4.68	<10	<1	0.08	10	0.29	514	8	0.03	47	2010	11	0.19	<2	1
YY00422		3.02	<10	<1	0.07	10	0.24	595	5	0.01	30	1560	23	0.11	<2	<1
YY00423		3.89	<10	<1	0.06	10	0.33	546	6	0.01	53	1510	15	0.10	<2	2
YY00424		5.10	<10	<1	0.11	10	0.38	702	5	0.01	56	1410	18	0.14	<2	2
YY00425		4.64	<10	<1	0.15	10	0.42	682	5	0.02	65	1530	13	0.12	<2	3
YY00426		2.35	<10	<1	0.05	10	0.32	904	2	0.01	45	1380	30	0.07	2	2
YY00427		2.62	<10	<1	0.06	10	0.42	663	3	0.02	80	2050	18	0.10	<2	2
YY00428		2.08	<10	<1	0.05	10	0.19	167	1	<0.01	15	640	16	0.04	<2	1
YY00429		3.22	<10	<1	0.07	10	0.36	1675	1	<0.01	42	920	16	0.03	<2	2
YY00430		2.61	<10	<1	0.07	10	0.39	1170	1	<0.01	95	840	15	0.08	<2	2

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Sample Description	Method Analyte Units LOD	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
YY00391		10	<20	0.03	<10	<10	55	<10	60
YY00392		16	<20	<0.01	<10	<10	37	<10	33
YY00393		12	<20	0.02	<10	<10	50	<10	49
YY00394		14	<20	0.02	<10	<10	47	<10	63
YY00395		18	<20	0.02	<10	<10	45	<10	62
YY00396		32	<20	0.02	<10	<10	47	<10	63
YY00397		15	<20	0.04	<10	<10	50	<10	58
YY00398		14	<20	0.03	<10	<10	56	<10	59
YY00399		15	<20	0.02	<10	<10	56	<10	76
YY00400		19	<20	0.01	<10	<10	45	<10	65
YY00401		19	<20	0.02	<10	<10	45	<10	70
YY00402		28	<20	0.02	<10	<10	44	<10	78
YY00403		20	<20	0.02	<10	<10	47	<10	65
YY00404		59	<20	0.02	<10	<10	32	<10	61
YY00405		33	<20	0.05	<10	<10	56	<10	81
YY00406		24	<20	0.04	<10	<10	57	<10	60
YY00407		90	<20	0.04	<10	<10	57	<10	57
YY00408		70	<20	0.01	<10	<10	32	<10	31
YY00409		65	<20	0.07	<10	<10	55	<10	55
YY00410		24	<20	0.08	<10	<10	65	<10	62
YY00411		22	<20	0.03	<10	<10	42	<10	36
YY00412		156	<20	0.02	<10	10	112	<10	211
YY00413		46	<20	0.01	<10	<10	51	<10	51
YY00414		85	<20	0.02	<10	10	37	<10	71
YY00415		187	<20	0.03	<10	10	145	<10	283
YY00416		132	<20	0.03	<10	<10	124	<10	390
YY00417		90	<20	0.03	<10	10	81	<10	296
YY00418		63	<20	0.02	<10	<10	70	<10	126
YY00419		24	<20	0.04	<10	<10	54	<10	83
YY00420		48	<20	0.03	<10	<10	61	<10	159
YY00421		48	<20	0.02	<10	<10	43	<10	162
YY00422		29	<20	0.01	<10	<10	44	10	179
YY00423		34	<20	0.02	<10	<10	36	10	117
YY00424		34	<20	0.03	<10	<10	38	30	467
YY00425		30	<20	0.04	<10	<10	50	40	151
YY00426		26	<20	0.02	<10	<10	51	10	260
YY00427		58	<20	0.02	<10	<10	62	<10	442
YY00428		9	<20	0.02	<10	<10	38	<10	48
YY00429		16	<20	0.02	<10	<10	41	<10	107
YY00430		14	<20	0.02	<10	<10	44	<10	143

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

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

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	Au- ICP21 Au Check ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1
YY00431		0.16	0.001		<0.2	1.08	14	<10	190	0.6	<2	1.20	<0.5	6	27	26
YY00432		0.17	0.007		0.3	1.88	42	<10	160	1.5	<2	0.09	<0.5	16	29	72
YY00433		0.11	<0.001		0.9	1.22	8	<10	180	1.5	<2	0.31	<0.5	4	21	87
YY00434		0.21	<0.001		0.2	1.33	14	<10	80	<0.5	<2	0.05	<0.5	4	25	16
YY00435		0.20	0.001		<0.2	1.22	11	<10	80	0.5	<2	0.05	<0.5	4	22	18
YY00436		0.20	<0.001		<0.2	1.03	12	<10	70	<0.5	<2	0.04	<0.5	3	16	17
YY00437		0.17	0.002		0.2	1.05	7	<10	90	0.8	<2	0.06	<0.5	6	16	70
YY00438		0.20	<0.001		<0.2	2.14	14	<10	150	0.8	<2	0.03	<0.5	11	33	27
YY00439		0.18	0.001		0.2	1.21	5	<10	140	<0.5	<2	0.10	<0.5	6	23	30
YY00440		0.17	<0.001		<0.2	0.91	20	<10	60	<0.5	<2	0.06	<0.5	7	20	31
YY00441		0.28	0.005		0.4	2.52	26	<10	100	0.8	<2	3.81	3.1	8	51	44
YY00442		0.28	0.006		0.5	3.46	33	<10	340	1.2	<2	2.83	3.9	12	38	42
YY00443		0.30	0.005		0.8	2.73	37	<10	140	0.8	<2	2.21	3.3	15	114	94
YY00444		0.34	0.007		0.3	2.20	32	<10	130	0.8	<2	2.19	2.0	9	49	58
YY00445		0.25	0.005		0.5	1.99	30	<10	170	0.8	<2	2.34	2.7	10	42	71
YY00446		0.20	0.013		0.3	1.21	11	<10	210	0.5	<2	2.26	0.5	6	39	33
YY00447		0.28	0.004		0.4	1.62	24	<10	190	0.8	<2	0.80	<0.5	8	39	30
YY00448		0.36	0.004		0.4	1.68	26	<10	160	0.8	<2	0.61	<0.5	8	38	36
YY00449		0.27	0.003		0.6	1.77	29	<10	200	0.8	<2	0.97	1.2	10	46	42
YY00450		0.20	<0.001		0.3	1.38	16	<10	250	0.5	<2	1.31	0.8	9	40	20
YY00451		0.25	0.003		0.7	1.81	26	<10	200	0.9	2	0.64	0.5	10	45	41
YY00452		0.21	0.002		0.6	1.97	20	<10	120	0.8	<2	2.17	3.3	15	44	56
YY00453		0.20	0.005		0.7	1.73	14	<10	140	0.7	<2	1.61	1.3	9	39	41
YY00454		0.19	0.002		0.9	1.64	19	<10	110	0.5	<2	3.91	1.9	8	39	52
YY00455		0.38	0.001		0.5	1.62	13	<10	130	0.6	3	1.38	2.9	13	36	50
YY00456		0.31	0.003		0.6	1.55	15	<10	160	0.6	<2	1.28	1.3	9	37	52
YY00457		0.33	0.009		0.8	1.94	26	<10	160	0.9	4	1.43	4.8	19	65	124
YY00458		0.28	0.003		0.5	1.75	17	<10	240	0.7	3	0.82	0.6	12	37	61
YY00459		0.31	0.002		0.2	1.52	15	<10	190	0.7	3	0.92	1.1	12	37	45
YY00460		0.33	0.004		1.0	1.36	23	<10	150	1.0	16	0.26	1.3	14	22	135
YY00461		0.29	<0.001		0.5	1.51	19	<10	120	0.9	3	0.40	1.0	14	25	73
YY00462		0.31	0.001		0.3	1.80	22	<10	170	1.0	5	0.34	0.5	14	31	119
YY00463		0.31	0.001		0.4	1.78	18	<10	160	1.0	6	0.49	0.9	16	33	108
YY00464		0.22	<0.001		0.8	1.42	7	<10	360	0.7	<2	1.35	0.7	8	35	48
YY00465		0.21	<0.001		1.6	1.27	7	<10	440	0.8	3	1.15	1.7	7	68	94
YY00466		0.31	0.004		0.9	1.74	10	<10	330	0.8	2	0.57	0.6	9	58	72
YY00467		0.37	0.001		0.6	1.62	11	<10	170	0.6	<2	0.18	0.6	8	27	172
YY00468		0.22	0.002		0.5	1.98	28	<10	200	0.7	2	1.89	2.6	8	34	46
YY00469		0.23	0.008		0.2	1.34	17	<10	120	0.6	<2	0.25	2.0	10	26	48
YY00470		0.28	<0.001		0.8	1.38	10	<10	200	0.8	5	0.54	1.6	11	29	74

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

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00431		2.37	<10	<1	0.08	10	0.50	482	1	<0.01	21	810	15	0.10	<2	2
YY00432		3.71	<10	<1	0.12	10	0.39	194	2	<0.01	42	1200	15	0.13	<2	1
YY00433		1.63	<10	<1	0.05	10	0.23	54	1	<0.01	66	970	11	0.09	<2	1
YY00434		3.09	10	<1	0.05	10	0.28	139	2	<0.01	14	330	11	0.02	<2	2
YY00435		2.68	<10	<1	0.05	10	0.23	125	1	<0.01	16	350	14	0.02	<2	1
YY00436		2.10	10	<1	0.04	10	0.15	101	2	<0.01	12	280	10	0.02	2	1
YY00437		1.52	<10	<1	0.03	10	0.16	77	1	<0.01	24	830	9	0.07	<2	<1
YY00438		3.27	<10	<1	0.06	20	0.39	187	1	<0.01	35	310	21	0.02	2	3
YY00439		1.45	<10	<1	0.05	10	0.31	83	1	<0.01	36	520	10	0.04	<2	1
YY00440		1.85	<10	<1	0.04	10	0.17	353	1	<0.01	23	790	7	0.08	<2	1
YY00441		2.31	10	<1	0.10	10	0.59	362	23	0.11	97	1420	17	0.09	<2	3
YY00442		3.16	10	<1	0.04	10	0.39	465	28	0.08	118	1130	17	0.07	<2	3
YY00443		3.47	10	<1	0.05	10	0.82	512	31	0.09	213	1240	27	0.06	2	5
YY00444		3.12	10	<1	0.07	10	0.64	318	18	0.08	89	1470	16	0.10	3	3
YY00445		3.30	<10	<1	0.09	10	0.57	275	24	0.07	102	1540	14	0.10	2	2
YY00446		1.90	<10	<1	0.06	10	0.45	203	2	0.01	24	1530	8	0.13	<2	2
YY00447		3.17	<10	<1	0.17	10	0.61	319	2	0.02	27	1240	19	0.06	<2	3
YY00448		3.15	<10	<1	0.18	10	0.53	262	5	0.02	36	1570	14	0.09	<2	3
YY00449		3.27	<10	<1	0.18	10	0.58	339	10	0.03	54	1610	14	0.06	2	3
YY00450		2.42	<10	<1	0.09	10	0.48	271	2	0.02	32	1780	11	0.08	<2	2
YY00451		3.29	<10	<1	0.21	10	0.65	284	2	0.02	40	1310	15	0.08	2	3
YY00452		2.62	10	<1	0.07	10	0.51	413	12	0.10	105	1920	14	0.10	2	2
YY00453		2.68	<10	<1	0.07	10	0.47	273	13	0.06	67	1910	15	0.09	2	2
YY00454		2.25	<10	<1	0.04	10	0.32	449	17	0.09	103	2020	38	0.17	6	1
YY00455		3.31	<10	<1	0.06	10	0.50	499	18	0.05	97	1160	22	0.10	5	2
YY00456		2.62	<10	1	0.06	10	0.45	331	6	0.02	56	1690	15	0.10	<2	1
YY00457		4.68	<10	<1	0.07	10	0.52	401	21	0.06	129	4000	20	0.10	3	2
YY00458		3.41	<10	<1	0.07	10	0.53	277	4	0.02	46	1500	15	0.09	<2	3
YY00459		3.17	<10	<1	0.07	10	0.48	758	6	0.03	46	1590	10	0.06	<2	2
YY00460		4.44	<10	<1	0.06	10	0.27	864	4	0.02	53	1410	46	0.09	2	2
YY00461		3.72	<10	<1	0.05	10	0.32	744	7	0.02	51	1640	21	0.11	2	1
YY00462		4.58	<10	<1	0.11	10	0.40	548	6	0.03	73	1700	13	0.16	<2	2
YY00463		4.45	<10	<1	0.07	10	0.42	662	7	0.02	58	1790	19	0.11	<2	2
YY00464		2.22	<10	<1	0.04	10	0.41	413	3	0.02	43	1350	31	0.11	<2	2
YY00465		1.92	<10	<1	0.03	20	0.38	767	5	0.01	86	1620	111	0.06	5	4
YY00466		2.84	10	<1	0.08	10	0.48	292	4	0.01	61	1540	24	0.06	2	4
YY00467		3.41	<10	<1	0.06	10	0.30	168	4	0.01	115	1370	14	0.08	<2	2
YY00468		2.76	10	<1	0.06	10	0.41	403	18	0.09	60	920	17	0.07	3	3
YY00469		3.09	<10	<1	0.07	10	0.30	338	5	0.01	33	1590	14	0.09	<2	1
YY00470		2.81	<10	<1	0.06	10	0.33	941	2	0.01	65	1700	40	0.08	<2	2

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

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
YY00431		29	<20	0.03	<10	<10	39	<10	57
YY00432		22	<20	0.03	<10	<10	46	<10	81
YY00433		32	<20	0.02	<10	<10	21	<10	92
YY00434		7	<20	0.05	<10	<10	73	<10	57
YY00435		8	<20	0.03	<10	<10	53	<10	59
YY00436		6	<20	0.02	<10	<10	50	<10	45
YY00437		7	<20	0.01	<10	<10	25	<10	48
YY00438		6	<20	0.01	<10	<10	63	<10	75
YY00439		11	<20	0.02	<10	<10	33	<10	62
YY00440		8	<20	0.03	<10	<10	35	<10	72
YY00441		228	<20	0.03	<10	<10	147	<10	108
YY00442		211	<20	0.03	<10	<10	127	<10	186
YY00443		225	<20	0.04	<10	<10	427	<10	265
YY00444		186	<20	0.03	<10	<10	104	<10	131
YY00445		163	<20	0.03	<10	<10	132	<10	190
YY00446		88	<20	0.03	<10	<10	37	<10	70
YY00447		69	<20	0.05	<10	<10	48	<10	100
YY00448		60	<20	0.04	<10	<10	56	<10	95
YY00449		74	<20	0.05	<10	<10	112	<10	115
YY00450		74	<20	0.04	<10	<10	51	<10	93
YY00451		50	<20	0.05	<10	<10	53	<10	82
YY00452		173	<20	0.03	<10	<10	102	<10	205
YY00453		107	<20	0.03	<10	10	54	<10	129
YY00454		216	<20	0.02	<10	10	72	<10	179
YY00455		91	<20	0.03	<10	<10	79	<10	436
YY00456		76	<20	0.03	<10	10	56	<10	149
YY00457		105	<20	0.03	<10	10	87	<10	485
YY00458		52	<20	0.03	<10	<10	52	<10	150
YY00459		53	<20	0.04	<10	<10	51	<10	301
YY00460		30	<20	0.02	<10	<10	39	<10	244
YY00461		39	<20	0.02	<10	<10	40	10	195
YY00462		41	<20	0.04	<10	<10	55	20	183
YY00463		32	<20	0.03	<10	<10	57	30	214
YY00464		62	<20	0.03	<10	<10	62	<10	218
YY00465		58	<20	0.02	<10	<10	101	<10	749
YY00466		49	<20	0.04	<10	<10	85	<10	329
YY00467		19	<20	0.03	<10	10	40	<10	141
YY00468		162	<20	0.03	<10	<10	111	<10	111
YY00469		28	<20	0.03	<10	<10	45	10	144
YY00470		29	<20	0.02	<10	<10	54	10	331

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CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	WEI-21	Au-ICP21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Au Check	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
	Units	kg	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
YY00471		0.32	<0.001		0.3	1.48	8	<10	180	0.6	2	0.75	1.0	9	36	48
YY00472		0.41	0.001		0.4	1.38	12	<10	290	0.6	<2	0.88	1.6	11	33	69
YY00473		0.20	<0.001		1.0	1.16	4	<10	80	0.8	<2	1.40	1.9	7	24	45
YY00474		0.28	0.001		0.9	1.48	10	<10	310	0.7	<2	0.78	1.4	9	37	63
YY00475		0.26	<0.001		1.7	1.37	9	<10	460	0.9	3	0.68	2.5	7	56	69
YY00476		0.19	<0.001		1.1	0.83	3	<10	160	0.5	2	0.68	<0.5	2	43	38
YY00477		0.15	<0.001		0.8	1.37	9	<10	150	0.7	2	2.01	5.0	9	39	71
YY00478		0.31	0.003		0.5	2.02	16	<10	420	1.1	2	0.14	1.3	10	35	57
YY00479		0.34	0.001		1.1	0.80	7	<10	340	0.9	3	0.43	2.2	13	39	107
YY00480		0.19	0.003		1.0	1.39	10	<10	340	0.7	<2	1.73	2.2	8	31	61
YY00481		0.13	1.215	NSS	1.6	1.53	6	<10	350	0.8	<2	2.27	3.5	10	50	91
YY00482		0.18	0.002		2.0	1.50	8	<10	90	0.9	2	0.54	3.0	9	28	65
YY00483		0.20	0.004		0.3	1.64	13	<10	100	1.0	<2	0.09	<0.5	12	28	77
YY00484		0.24	0.002		0.3	1.36	12	<10	150	1.2	<2	0.14	<0.5	15	27	53
YY00485		0.13	0.005		0.3	1.14	10	<10	90	0.5	<2	0.08	<0.5	6	26	39
YY00486		0.39	0.005		<0.2	1.64	16	<10	150	1.3	<2	0.12	<0.5	18	34	47
YY00487		0.10	0.016		0.5	1.03	13	<10	110	0.6	<2	0.11	<0.5	6	26	42
YY00488		0.36	0.004		<0.2	1.75	19	<10	190	2.6	<2	0.18	0.6	62	30	77
YY00489		0.17	0.005		<0.2	1.16	25	<10	130	0.7	<2	0.55	<0.5	10	29	32
YY00490		0.11	0.006		0.6	1.59	31	<10	90	0.8	<2	0.11	<0.5	7	30	187
YY00491		0.19	0.004		0.7	1.10	14	<10	100	<0.5	<2	0.09	<0.5	13	26	33
YY00492		0.20	0.006		0.2	1.55	10	<10	60	1.1	2	0.07	<0.5	8	21	137
YY00493		0.41	0.003		0.2	2.04	15	<10	160	2.6	<2	0.11	<0.5	56	25	143
YY00494		0.19	0.004		0.9	1.89	19	<10	70	1.0	2	0.06	<0.5	7	25	176
YY00495		0.25	0.003		<0.2	1.40	12	<10	120	0.8	<2	0.05	<0.5	33	20	18
YY00496		0.18	0.007		0.4	1.93	13	<10	90	2.8	<2	0.06	<0.5	14	23	164
YY00497		0.27	0.002		<0.2	2.21	24	<10	130	3.0	<2	0.06	<0.5	126	32	114
YY00498		0.23	0.006		0.5	2.26	21	<10	100	2.5	<2	0.06	<0.5	24	31	133
YY00499		0.18	0.015		0.4	1.82	22	<10	70	0.6	<2	0.05	<0.5	6	29	55
YY00500		0.42	0.014		0.7	1.82	57	<10	310	1.0	<2	0.02	<0.5	11	47	94
YY00501		0.45	0.009		0.2	1.19	26	<10	190	1.3	<2	0.38	0.6	21	24	52
YY00511		0.14	<0.001		1.2	2.22	18	<10	160	3.1	<2	0.12	1.3	55	22	267
YY00512		0.19	0.003		0.3	1.96	17	<10	130	2.6	<2	0.08	<0.5	37	29	108
YY00513		0.25	0.005		0.2	1.71	23	<10	150	2.2	2	0.06	<0.5	57	29	168
YY00514		0.16	<0.001		<0.2	1.71	24	<10	140	0.8	<2	0.06	<0.5	15	33	31
YY00515		0.11	0.010		0.3	0.61	11	<10	130	<0.5	<2	0.12	<0.5	5	16	34
YY00518		0.25	<0.001		0.2	1.81	15	<10	110	1.1	<2	0.08	<0.5	15	26	96
YY00519		0.21	0.002		0.3	1.66	14	<10	130	1.0	<2	0.11	<0.5	16	26	70
YY00520		0.27	0.002		0.3	1.40	11	<10	160	0.8	2	0.16	<0.5	11	27	27
YY00521		0.27	0.002		0.3	2.14	20	<10	140	2.4	2	0.13	<0.5	42	28	125

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

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

Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00471		2.63	<10	<1	0.05	10	0.47	528	3	0.01	53	1800	15	0.06	<2	2
YY00472		3.20	<10	<1	0.09	10	0.46	422	3	0.03	62	1450	14	0.06	2	3
YY00473		1.82	<10	<1	0.03	10	0.21	281	3	0.01	60	970	13	0.09	<2	1
YY00474		2.80	<10	<1	0.07	10	0.44	367	4	0.03	58	1160	29	0.07	3	3
YY00475		2.59	<10	<1	0.05	10	0.34	1410	6	0.01	90	1650	199	0.07	6	4
YY00476		1.19	<10	<1	0.02	10	0.11	162	3	<0.01	41	1190	37	0.06	2	2
YY00477		2.58	<10	1	0.04	10	0.39	522	4	0.02	83	1690	19	0.13	<2	1
YY00478		3.32	<10	<1	0.06	10	0.21	188	10	0.01	149	1050	30	0.11	3	2
YY00479		1.86	<10	<1	0.03	10	0.12	1405	6	<0.01	130	1500	94	0.02	5	4
YY00480		2.94	<10	<1	0.06	10	0.33	300	6	0.02	53	1240	62	0.19	2	2
YY00481		2.41	10	<1	0.04	10	0.35	481	4	0.02	92	1880	40	0.15	<2	3
YY00482		3.13	<10	<1	0.03	10	0.24	456	6	0.02	133	990	30	0.05	<2	2
YY00483		2.64	<10	<1	0.06	10	0.34	150	1	0.01	46	1030	17	0.04	2	2
YY00484		2.33	<10	<1	0.06	10	0.33	238	1	0.01	54	820	15	0.04	<2	1
YY00485		1.93	<10	<1	0.05	10	0.25	147	1	<0.01	26	750	11	0.05	<2	1
YY00486		3.36	<10	<1	0.09	10	0.38	539	1	<0.01	50	950	15	0.02	<2	2
YY00487		2.16	<10	<1	0.07	10	0.21	144	2	<0.01	26	930	16	0.07	<2	1
YY00488		3.10	<10	<1	0.10	20	0.47	829	1	<0.01	124	1040	18	0.04	<2	3
YY00489		3.01	<10	<1	0.13	10	0.46	301	1	<0.01	29	830	19	0.06	<2	2
YY00490		5.13	<10	<1	0.09	20	0.30	116	3	<0.01	37	1780	16	0.12	<2	1
YY00491		2.31	<10	<1	0.06	10	0.21	162	2	<0.01	32	770	13	0.06	<2	1
YY00492		2.28	<10	<1	0.05	10	0.27	177	2	<0.01	49	940	11	0.06	<2	1
YY00493		3.50	<10	<1	0.07	20	0.39	1225	1	<0.01	160	900	19	0.03	<2	3
YY00494		4.11	10	<1	0.05	10	0.26	133	2	<0.01	30	510	16	0.04	<2	2
YY00495		2.84	10	<1	0.03	10	0.16	625	1	<0.01	33	320	14	0.01	<2	2
YY00496		2.80	10	<1	0.04	10	0.19	372	2	<0.01	43	490	14	0.04	<2	2
YY00497		4.19	<10	<1	0.07	10	0.41	2200	2	<0.01	182	590	20	0.04	<2	3
YY00498		4.60	10	<1	0.06	10	0.29	387	3	<0.01	72	920	17	0.06	<2	2
YY00499		4.82	10	<1	0.05	10	0.25	160	2	<0.01	26	620	14	0.03	<2	2
YY00500		5.79	10	<1	0.47	20	0.55	167	4	0.01	34	1420	15	0.13	2	4
YY00501		3.33	<10	<1	0.17	20	0.46	359	1	0.01	82	1010	18	0.07	2	2
YY00511		2.96	<10	<1	0.07	10	0.21	1240	2	<0.01	89	1100	15	0.07	<2	2
YY00512		3.38	<10	<1	0.06	10	0.34	1050	1	<0.01	106	660	17	0.04	<2	3
YY00513		3.73	<10	<1	0.08	20	0.46	1940	2	<0.01	172	520	17	0.03	<2	5
YY00514		4.70	10	<1	0.06	10	0.32	325	1	<0.01	61	350	19	0.02	<2	2
YY00515		1.81	<10	<1	0.05	10	0.09	112	1	<0.01	27	600	9	0.05	<2	1
YY00518		2.78	<10	<1	0.07	10	0.36	142	2	<0.01	53	710	17	0.04	<2	2
YY00519		2.87	<10	<1	0.07	10	0.38	174	2	<0.01	61	870	18	0.05	<2	2
YY00520		2.40	<10	<1	0.08	10	0.37	234	1	<0.01	38	910	14	0.04	<2	2
YY00521		3.29	<10	<1	0.09	20	0.44	316	2	<0.01	128	990	19	0.06	2	2

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Finalized Date: 20- JUL- 2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Sr	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	1	20	0.01	10	10	1	10	2
YY00471		33	<20	0.02	<10	<10	61	<10	241
YY00472		47	<20	0.04	<10	<10	58	10	235
YY00473		59	<20	0.02	<10	<10	41	<10	318
YY00474		50	<20	0.04	<10	<10	72	<10	299
YY00475		66	<20	0.02	<10	<10	98	<10	1035
YY00476		39	<20	0.01	<10	<10	77	<10	229
YY00477		86	<20	0.02	<10	10	52	<10	819
YY00478		33	<20	0.04	<10	<10	84	<10	384
YY00479		30	<20	0.01	<10	<10	106	<10	538
YY00480		71	<20	0.03	<10	<10	65	<10	328
YY00481		72	<20	0.02	<10	<10	111	<10	634
YY00482		48	<20	0.02	<10	10	54	<10	683
YY00483		11	<20	0.02	<10	<10	42	<10	89
YY00484		17	<20	0.02	<10	<10	39	<10	99
YY00485		10	<20	0.02	<10	<10	36	<10	63
YY00486		16	<20	0.03	<10	<10	54	<10	126
YY00487		13	<20	0.02	<10	<10	42	<10	65
YY00488		18	<20	0.03	<10	<10	47	<10	198
YY00489		26	<20	0.04	<10	<10	49	<10	85
YY00490		14	<20	0.03	<10	<10	47	<10	60
YY00491		12	<20	0.03	<10	<10	47	<10	71
YY00492		8	<20	0.02	<10	<10	36	<10	96
YY00493		14	<20	0.03	<10	<10	45	<10	196
YY00494		8	<20	0.05	<10	<10	61	<10	59
YY00495		7	<20	0.03	<10	<10	64	<10	94
YY00496		8	<20	0.03	<10	<10	55	<10	85
YY00497		10	<20	0.05	<10	<10	59	<10	246
YY00498		9	<20	0.04	<10	<10	67	<10	162
YY00499		8	<20	0.04	<10	<10	67	<10	69
YY00500		26	<20	0.06	<10	<10	83	<10	88
YY00501		31	<20	0.03	<10	<10	40	<10	124
YY00511		20	<20	0.04	<10	<10	42	<10	160
YY00512		11	<20	0.04	<10	<10	56	<10	204
YY00513		11	<20	0.05	<10	<10	51	<10	272
YY00514		9	<20	0.05	<10	<10	80	<10	140
YY00515		14	<20	0.03	<10	<10	44	<10	65
YY00518		12	<20	0.02	<10	<10	45	<10	98
YY00519		14	<20	0.02	<10	<10	45	<10	116
YY00520		18	<20	0.02	<10	<10	44	<10	103
YY00521		16	<20	0.03	<10	<10	46	<10	176

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1016- 510 W HASTINGS ST
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Finalized Date: 20- JUL- 2018
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Project: RAU

CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	Au-ICP21 Au ppm 0.001	Au-ICP21 Au Check ppm 0.001	ME-ICP41 Ag ppm 0.2	ME-ICP41 Al % 0.01	ME-ICP41 As ppm 2	ME-ICP41 B ppm 10	ME-ICP41 Ba ppm 10	ME-ICP41 Be ppm 0.5	ME-ICP41 Bi ppm 2	ME-ICP41 Ca % 0.01	ME-ICP41 Cd ppm 0.5	ME-ICP41 Co ppm 1	ME-ICP41 Cr ppm 1	ME-ICP41 Cu ppm 1
YY00522		0.44	0.007		<0.2	1.90	27	<10	230	1.6	<2	0.33	<0.5	22	36	58
YY00523		0.39	0.002		0.3	2.17	24	<10	130	1.9	<2	0.07	<0.5	64	29	178
YY00524		0.28	0.005		0.4	1.43	36	<10	70	0.7	<2	0.05	<0.5	7	26	93
YY00525		0.34	0.002		0.4	1.47	25	<10	90	0.8	<2	0.07	<0.5	9	28	75
YY00526		0.39	0.001		<0.2	1.86	17	<10	100	1.1	<2	0.05	<0.5	19	28	43
YY00527		0.30	0.003		0.3	1.65	12	<10	70	1.0	<2	0.06	<0.5	10	22	82
YY00528		0.46	0.004		0.2	2.06	25	<10	110	2.8	<2	0.12	<0.5	57	27	159
YY00529		0.27	0.003		0.3	2.13	16	<10	80	0.9	<2	0.07	<0.5	12	28	175
YY00530		0.34	0.005		0.2	1.73	22	<10	210	1.6	<2	0.12	0.6	59	25	171
YY00531		0.39	0.004		<0.2	1.80	19	<10	210	2.3	<2	0.14	<0.5	66	22	138
YY00532		0.35	0.003		0.8	1.98	19	<10	90	0.9	<2	0.05	<0.5	8	30	76
YY00533		0.42	0.005		0.5	2.61	43	<10	130	1.8	<2	0.06	<0.5	26	37	119
YY00534		0.24	0.002		0.4	0.56	6	<10	30	<0.5	<2	0.02	<0.5	1	9	10
YY00535		0.36	0.032		0.3	1.61	189	<10	150	0.7	3	0.08	<0.5	13	33	143
YY00536		0.31	0.003		0.2	2.33	28	<10	120	1.0	<2	0.10	<0.5	21	38	79
YY00537		0.31	0.010		0.8	0.43	11	<10	50	<0.5	<2	0.02	<0.5	1	9	22
YY00538		0.54	0.006		0.2	1.63	20	<10	180	1.7	<2	0.15	<0.5	27	29	61

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CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
	Analyte	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
	Units	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
	LOD	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
YY00522		3.78	<10	<1	0.17	10	0.57	307	1	<0.01	81	840	23	0.06	<2	3
YY00523		3.61	<10	<1	0.10	20	0.44	864	1	<0.01	166	960	20	0.03	<2	3
YY00524		5.35	10	<1	0.07	10	0.22	169	3	<0.01	26	900	15	0.06	2	1
YY00525		4.73	10	<1	0.07	10	0.31	208	3	<0.01	43	620	15	0.05	<2	2
YY00526		3.37	10	<1	0.05	10	0.28	319	2	<0.01	50	400	19	0.02	<2	2
YY00527		2.57	<10	1	0.04	10	0.23	176	2	<0.01	31	420	12	0.03	<2	2
YY00528		3.53	<10	<1	0.08	20	0.43	770	2	<0.01	233	910	16	0.03	<2	4
YY00529		3.78	10	<1	0.05	10	0.30	326	2	<0.01	49	670	13	0.05	<2	2
YY00530		3.50	<10	<1	0.09	20	0.44	1175	2	<0.01	265	820	17	0.04	<2	4
YY00531		5.35	<10	<1	0.08	20	0.41	3000	2	<0.01	227	830	20	0.03	<2	4
YY00532		4.54	10	<1	0.06	10	0.22	202	3	<0.01	28	690	15	0.05	<2	2
YY00533		5.82	10	<1	0.10	10	0.39	263	3	<0.01	78	760	15	0.10	2	4
YY00534		0.76	10	<1	0.02	10	0.04	24	2	<0.01	4	360	7	0.02	<2	1
YY00535		5.19	<10	<1	0.16	20	0.35	271	4	<0.01	34	1610	17	0.14	<2	2
YY00536		3.95	<10	<1	0.07	10	0.34	202	2	<0.01	53	840	12	0.03	<2	3
YY00537		0.73	<10	<1	0.04	10	0.02	16	1	<0.01	4	680	17	0.02	<2	<1
YY00538		3.12	<10	<1	0.12	10	0.44	297	2	<0.01	100	960	12	0.03	<2	3

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CERTIFICATE OF ANALYSIS WH18157135

Sample Description	Method Analyte Units LOD	ME- ICP41 Sr ppm 1	ME- ICP41 Th ppm 20	ME- ICP41 Ti % 0.01	ME- ICP41 Tl ppm 10	ME- ICP41 U ppm 10	ME- ICP41 V ppm 1	ME- ICP41 W ppm 10	ME- ICP41 Zn ppm 2
YY00522		23	<20	0.04	<10	<10	58	<10	117
YY00523		14	<20	0.04	<10	<10	48	<10	252
YY00524		10	<20	0.04	<10	<10	59	<10	56
YY00525		9	<20	0.05	<10	<10	64	<10	114
YY00526		8	<20	0.03	<10	<10	62	<10	97
YY00527		8	<20	0.04	<10	<10	51	<10	61
YY00528		14	<20	0.04	<10	<10	43	<10	171
YY00529		8	<20	0.04	<10	<10	56	<10	73
YY00530		16	<20	0.04	<10	<10	42	<10	203
YY00531		12	<20	0.04	<10	<10	40	<10	192
YY00532		8	<20	0.04	<10	<10	78	<10	79
YY00533		11	<20	0.06	<10	<10	74	<10	114
YY00534		5	<20	0.02	<10	<10	38	<10	13
YY00535		27	<20	0.03	<10	<10	58	<10	69
YY00536		14	<20	0.04	<10	<10	57	<10	72
YY00537		6	<20	0.01	<10	<10	17	<10	13
YY00538		21	<20	0.04	<10	<10	47	<10	114

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 20- JUL- 2018
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CERTIFICATE OF ANALYSIS WH18157135

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: NSS is non- sufficient sample.
ALL METHODS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- ICP21 ME- ICP41

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Finalized Date: 8- OCT- 2018
Account: RCM

CERTIFICATE WH18217193

Project: RAU(BOBCAT ZONE)

This report is for 220 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3- SEP- 2018.

The following have access to data associated with this certificate:

ANDREW CARNE	JULIA LANE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY15501		0.45	0.002	0.32	0.61	6.4	<0.02	<10	180	0.66	1.12	13.65	1.04	12.65	2.9	11
YY15502		0.54	<0.001	0.32	0.94	17.9	<0.02	<10	310	0.60	0.70	7.89	1.11	18.85	6.4	18
YY15503		0.49	0.002	0.38	1.41	17.5	<0.02	<10	450	0.71	0.52	3.77	1.24	29.1	10.0	27
YY15504		0.42	0.001	0.64	1.07	18.3	<0.02	<10	300	0.68	0.74	6.74	1.29	19.30	6.6	20
YY15505		0.45	<0.001	0.73	0.68	6.0	<0.02	<10	280	0.54	0.59	9.46	1.21	11.75	3.6	13
YY15506		0.30	0.003	1.49	1.16	13.0	<0.02	10	730	0.90	0.87	3.35	3.79	17.35	7.1	24
YY15507		0.60	<0.001	0.58	0.34	8.1	<0.02	<10	240	0.41	0.45	17.65	1.86	6.38	2.5	6
YY15508		0.37	0.027	9.49	1.20	20.7	0.03	10	600	1.35	1.44	1.28	4.33	19.00	5.5	28
YY15509		0.38	<0.001	1.31	0.96	15.2	<0.02	<10	350	1.26	1.02	4.99	1.90	19.15	5.1	17
YY15510		0.56	0.003	1.82	0.67	11.9	<0.02	<10	340	0.98	0.79	11.35	2.99	12.55	3.6	15
YY15511		0.66	0.005	1.12	0.89	12.2	<0.02	<10	250	0.85	1.42	6.05	1.86	18.25	6.3	17
YY15512		0.32	0.012	3.47	0.89	13.0	<0.02	10	440	1.13	1.00	6.37	2.89	13.15	4.3	20
YY15513		0.44	0.010	2.38	0.66	12.5	<0.02	10	330	0.75	0.72	7.92	2.59	12.30	3.8	16
YY15514		0.50	<0.001	1.21	1.05	15.2	<0.02	<10	360	0.77	0.61	3.91	2.66	19.35	6.2	22
YY15515		0.57	0.003	1.46	0.90	10.3	<0.02	<10	300	0.74	0.59	4.30	1.76	18.00	4.9	20
YY15516		0.54	<0.001	0.62	0.62	6.7	<0.02	<10	300	0.49	0.40	11.10	2.92	12.40	3.8	13
YY15517		0.46	<0.001	0.62	0.56	6.6	<0.02	<10	240	0.48	0.42	12.65	1.47	9.87	3.5	11
YY15518		0.33	0.002	1.14	1.00	15.0	<0.02	<10	340	0.75	0.96	6.54	2.22	18.95	5.9	19
YY15519		0.33	0.001	0.80	1.09	14.1	<0.02	10	330	0.69	0.84	6.38	1.71	18.95	6.7	20
YY15520		0.43	<0.001	0.37	0.98	8.9	<0.02	<10	290	0.61	0.68	8.00	1.21	20.3	7.1	19
YY15521		0.29	<0.001	0.49	1.08	9.5	<0.02	<10	330	0.63	0.47	1.32	1.27	23.0	7.4	22
YY15522		0.42	<0.001	0.44	1.14	16.9	<0.02	<10	420	0.63	0.50	1.90	1.55	25.2	8.1	25
YY15523		0.32	<0.001	0.48	1.10	10.6	<0.02	<10	360	0.60	0.39	1.25	1.68	20.4	6.3	23
YY15524		0.44	<0.001	0.49	1.09	12.1	<0.02	<10	300	0.60	0.38	1.78	1.30	19.45	6.3	23
YY15525		0.24	<0.001	0.50	0.99	7.0	<0.02	<10	370	0.46	0.27	1.56	0.97	14.70	5.1	20
YY15526		0.36	<0.001	0.53	1.18	8.1	<0.02	<10	400	0.59	0.32	1.34	1.20	17.45	5.4	26
YY15527		0.34	<0.001	0.64	1.12	8.0	<0.02	<10	300	0.62	0.34	1.12	1.65	18.50	5.3	23
YY15528		0.32	0.008	0.67	1.27	16.1	<0.02	<10	350	0.74	0.36	0.75	3.36	22.0	8.7	26
YY15529		0.52	<0.001	0.70	1.21	13.3	<0.02	<10	310	0.69	0.35	1.34	2.74	19.70	6.0	25
YY15530		0.35	<0.001	0.53	1.07	9.5	<0.02	<10	300	0.54	0.30	1.20	1.51	15.75	5.4	21
YY15531		0.38	<0.001	1.03	1.20	7.6	<0.02	<10	360	0.65	0.45	1.67	3.00	19.20	6.0	23
YY15532		0.39	<0.001	0.81	1.22	10.9	<0.02	<10	430	0.71	0.46	1.10	2.27	18.75	6.4	24
YY15533		0.33	<0.001	0.69	1.04	10.1	<0.02	<10	360	0.66	0.37	1.20	2.45	16.75	6.5	21
YY15534		0.37	0.002	0.90	1.28	10.3	<0.02	<10	400	0.78	0.48	0.81	2.53	20.7	7.0	26
YY15535		0.33	0.004	0.74	1.25	13.5	<0.02	<10	320	0.71	0.53	0.67	1.58	21.0	7.5	26
YY15536		0.33	<0.001	0.96	1.38	12.8	<0.02	<10	440	0.78	0.56	0.72	1.79	20.2	6.9	29
YY15537		0.39	<0.001	0.68	1.08	10.5	<0.02	<10	450	0.58	0.39	1.76	2.24	17.80	5.8	23
YY15538		0.45	0.008	0.46	0.78	7.9	<0.02	<10	230	0.45	0.34	7.99	1.79	14.75	4.7	16
YY15539		0.41	0.006	0.60	0.70	6.2	<0.02	<10	260	0.49	0.43	6.73	1.36	13.65	4.2	14
YY15540		0.31	0.002	0.59	0.93	10.2	<0.02	<10	340	0.58	0.50	4.20	1.96	18.15	5.2	19

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CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15501		1.33	13.7	0.93	1.75	<0.05	0.04	0.03	0.063	0.06	6.4	9.4	7.86	213	2.03	<0.01
YY15502		1.23	19.2	2.21	2.65	<0.05	0.05	0.05	0.045	0.07	10.5	12.7	3.89	644	3.25	0.01
YY15503		1.78	32.0	2.70	4.00	0.06	0.08	0.06	0.033	0.12	16.1	18.4	1.97	869	2.62	0.02
YY15504		2.28	18.0	2.07	3.04	<0.05	0.04	0.05	0.053	0.07	10.3	13.7	4.38	411	9.06	0.01
YY15505		1.57	10.1	1.15	1.90	<0.05	0.04	0.06	0.047	0.04	6.4	9.8	5.60	306	3.95	0.01
YY15506		2.44	21.1	2.86	3.20	0.06	0.06	0.08	0.098	0.07	10.4	14.8	1.94	2740	25.2	0.01
YY15507		1.27	9.8	1.15	0.94	<0.05	0.02	0.03	0.079	0.04	4.0	5.5	9.53	1360	6.77	<0.01
YY15508		6.34	21.7	2.24	3.42	0.06	0.03	0.18	0.110	0.07	12.9	15.1	0.63	751	6.69	0.01
YY15509		2.02	18.6	2.18	2.81	0.05	0.04	0.06	0.067	0.08	15.4	13.5	3.16	868	3.66	0.01
YY15510		2.89	11.9	1.39	1.91	<0.05	0.03	0.05	0.068	0.05	8.7	9.8	6.52	804	6.02	0.01
YY15511		1.92	31.6	1.81	2.63	<0.05	0.03	0.04	0.044	0.06	10.9	12.0	3.22	314	4.40	0.01
YY15512		4.88	31.2	1.64	2.48	<0.05	0.05	0.09	0.054	0.06	8.9	12.1	3.71	344	3.60	0.01
YY15513		3.63	18.8	1.37	1.98	0.05	0.03	0.06	0.048	0.05	8.0	9.7	4.55	395	3.97	0.01
YY15514		2.29	23.3	2.32	3.02	<0.05	0.04	0.06	0.063	0.07	12.0	14.0	2.40	1300	10.25	0.01
YY15515		2.64	25.3	1.69	2.55	<0.05	0.04	0.05	0.044	0.06	11.6	12.3	2.49	241	5.04	0.01
YY15516		1.38	14.2	1.16	1.76	<0.05	0.03	0.03	0.034	0.05	7.0	9.4	6.40	248	6.17	0.01
YY15517		1.49	11.7	0.90	1.56	<0.05	0.03	0.03	0.037	0.04	5.9	8.7	7.34	242	7.79	0.01
YY15518		2.34	13.3	2.01	2.77	<0.05	0.03	0.07	0.051	0.06	10.9	12.4	4.13	1040	6.97	0.01
YY15519		2.74	16.5	2.07	3.09	<0.05	0.04	0.06	0.051	0.06	10.5	13.3	4.14	888	4.28	0.02
YY15520		1.56	19.3	1.86	2.83	<0.05	0.05	0.03	0.043	0.07	10.9	12.5	4.90	414	2.56	0.01
YY15521		1.19	24.5	2.10	3.02	0.05	0.05	0.05	0.034	0.07	13.5	13.9	0.76	205	1.66	0.01
YY15522		1.38	26.3	2.44	3.31	0.05	0.05	0.05	0.034	0.07	14.5	15.0	1.01	379	3.36	0.01
YY15523		1.23	22.5	1.82	3.03	0.05	0.04	0.05	0.032	0.07	12.3	14.2	0.47	286	3.52	0.01
YY15524		1.18	23.6	2.06	2.96	0.05	0.04	0.05	0.034	0.07	11.8	13.8	0.65	340	4.76	0.01
YY15525		1.07	14.5	1.61	2.68	<0.05	0.03	0.05	0.030	0.05	8.2	12.8	0.32	307	3.59	0.01
YY15526		1.26	21.8	1.79	3.23	<0.05	0.04	0.06	0.032	0.06	10.9	14.5	0.36	287	5.79	0.01
YY15527		1.19	19.3	1.74	3.03	<0.05	0.04	0.05	0.027	0.05	12.2	13.4	0.33	217	3.40	0.01
YY15528		1.34	22.4	2.65	3.49	0.05	0.04	0.05	0.034	0.06	14.2	15.8	0.36	508	8.89	0.01
YY15529		1.20	24.8	2.37	3.33	0.05	0.04	0.05	0.031	0.06	14.1	15.2	0.51	385	6.06	0.01
YY15530		1.18	17.0	1.76	2.99	<0.05	0.03	0.04	0.027	0.05	9.6	12.5	0.35	539	3.53	0.01
YY15531		1.51	26.7	1.37	3.21	0.05	0.05	0.06	0.037	0.06	12.5	14.7	0.69	222	7.01	0.01
YY15532		1.46	25.0	1.95	3.33	<0.05	0.05	0.06	0.038	0.06	12.2	14.8	0.47	395	4.56	0.01
YY15533		1.17	18.8	1.91	2.89	<0.05	0.04	0.04	0.031	0.05	10.6	13.9	0.37	618	4.04	0.01
YY15534		1.70	26.6	2.11	3.53	0.05	0.05	0.05	0.039	0.06	13.3	16.9	0.38	421	4.42	0.01
YY15535		1.81	14.9	2.20	3.54	<0.05	0.04	0.05	0.043	0.06	12.0	16.2	0.37	520	8.07	<0.01
YY15536		2.35	19.3	2.26	3.81	<0.05	0.04	0.07	0.046	0.07	12.4	17.7	0.41	440	6.40	<0.01
YY15537		1.36	16.3	2.15	2.96	<0.05	0.04	0.05	0.095	0.06	10.7	14.7	0.82	948	7.64	<0.01
YY15538		1.30	13.6	1.20	2.23	0.05	0.04	0.03	0.064	0.05	8.0	11.5	4.79	234	4.92	0.01
YY15539		1.56	12.9	1.19	1.94	<0.05	0.04	0.04	0.041	0.04	7.5	10.1	4.12	239	3.49	<0.01
YY15540		1.54	18.6	1.82	2.63	<0.05	0.04	0.04	0.041	0.05	10.8	12.9	2.49	449	4.38	0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY15501		2.49	13.5	350	30.3	12.1	0.004	0.04	0.74	1.7	1.1	0.9	81.9	<0.01	0.03	2.0
YY15502		1.83	23.3	620	35.6	11.0	0.003	0.03	1.33	2.5	0.8	1.2	59.1	<0.01	0.04	2.8
YY15503		1.07	35.2	940	26.5	15.9	0.001	0.02	1.56	4.1	0.6	1.1	47.7	<0.01	0.06	4.1
YY15504		1.51	26.4	680	32.8	12.8	0.006	0.05	1.28	2.7	1.9	1.1	46.8	<0.01	0.03	2.2
YY15505		0.66	15.0	580	36.2	11.3	0.016	0.10	1.35	1.6	2.9	1.4	62.8	<0.01	0.03	1.2
YY15506		0.66	30.1	860	80.3	14.8	0.007	0.10	4.80	2.4	5.7	3.5	33.0	<0.01	0.03	1.6
YY15507		0.29	13.8	290	43.8	10.3	0.002	0.06	1.92	1.0	1.0	1.0	119.5	<0.01	0.02	0.7
YY15508		0.63	32.0	1130	113.0	28.7	0.005	0.06	4.89	1.7	2.2	8.1	20.6	<0.01	0.06	0.8
YY15509		0.98	31.6	570	78.2	24.1	0.001	0.02	3.21	2.5	0.7	4.1	24.9	<0.01	0.04	2.3
YY15510		0.43	21.9	550	55.5	18.0	0.002	0.01	3.65	1.5	0.9	5.9	72.9	<0.01	0.02	1.0
YY15511		1.35	30.5	550	72.9	19.1	0.001	0.01	3.68	2.1	0.6	3.4	48.2	<0.01	0.07	2.7
YY15512		0.83	31.4	730	84.2	20.0	0.003	0.05	3.57	1.7	2.2	4.2	47.4	<0.01	0.05	1.2
YY15513		0.56	25.3	600	53.8	16.6	0.003	0.03	2.93	1.4	1.3	2.9	53.2	<0.01	0.04	1.1
YY15514		0.64	29.9	690	61.7	21.6	0.001	0.03	3.25	2.2	1.3	2.0	38.2	<0.01	0.03	1.6
YY15515		0.70	28.4	710	54.1	15.8	0.005	0.04	2.74	2.0	1.7	1.9	37.5	<0.01	0.05	1.9
YY15516		0.53	19.0	440	70.5	11.9	0.007	0.03	1.81	1.5	3.4	1.5	74.3	<0.01	0.04	1.5
YY15517		0.67	15.5	380	45.2	11.0	0.015	0.11	1.69	1.4	2.3	1.3	81.7	<0.01	0.02	1.4
YY15518		0.85	25.3	740	46.1	15.5	0.002	0.04	1.43	2.2	1.0	1.5	48.8	<0.01	0.03	1.4
YY15519		1.00	26.3	810	33.5	16.7	0.004	0.05	1.08	2.3	1.3	1.1	46.2	<0.01	0.03	1.5
YY15520		1.41	25.1	590	27.3	15.4	0.004	0.04	1.06	2.6	1.4	1.0	54.1	<0.01	0.04	2.7
YY15521		0.83	31.2	820	40.5	9.1	0.009	0.06	1.48	2.7	2.7	0.9	25.4	<0.01	0.04	2.9
YY15522		0.90	33.0	800	38.5	9.6	0.002	0.03	1.64	3.0	1.3	1.1	31.2	<0.01	0.05	3.4
YY15523		0.64	29.4	730	37.2	9.6	0.007	0.07	1.49	2.2	3.9	0.8	26.5	<0.01	0.05	1.7
YY15524		0.59	30.4	700	36.1	10.2	0.001	0.03	1.53	2.3	0.9	0.8	28.3	<0.01	0.04	1.9
YY15525		0.46	21.9	720	30.3	13.3	0.004	0.08	1.23	1.4	1.9	0.5	30.4	<0.01	0.03	0.7
YY15526		0.47	27.4	830	36.7	13.7	0.003	0.07	1.70	1.6	2.1	0.7	27.8	<0.01	0.03	0.8
YY15527		0.52	26.0	740	43.6	14.0	0.005	0.06	1.81	1.9	1.5	1.1	24.2	<0.01	0.04	1.1
YY15528		0.57	34.2	810	47.4	13.7	0.003	0.04	2.61	2.4	1.3	1.2	21.3	<0.01	0.04	1.8
YY15529		0.55	31.3	730	46.3	15.4	0.004	0.05	2.12	2.2	1.7	1.1	25.2	<0.01	0.04	1.5
YY15530		0.50	26.1	660	36.0	11.4	0.004	0.05	1.72	1.8	1.6	1.3	26.1	<0.01	0.04	1.2
YY15531		0.62	35.0	710	55.3	15.4	0.013	0.10	3.63	2.3	3.2	2.5	25.6	<0.01	0.03	1.9
YY15532		0.65	33.0	710	56.0	16.9	0.015	0.07	2.84	2.3	2.8	2.0	22.5	<0.01	0.05	2.0
YY15533		0.51	29.9	710	47.6	16.3	0.005	0.05	2.07	1.9	1.4	1.6	24.6	<0.01	0.03	1.5
YY15534		0.66	35.8	760	56.6	17.2	0.004	0.04	2.47	2.5	1.5	1.9	21.5	<0.01	0.03	2.0
YY15535		0.62	30.4	710	60.8	19.9	0.001	0.04	5.01	2.4	0.9	1.6	17.5	<0.01	0.04	1.6
YY15536		0.60	31.1	790	50.9	23.0	0.002	0.04	2.28	2.3	1.3	1.8	18.7	<0.01	0.03	1.3
YY15537		0.56	25.5	750	47.6	21.0	0.013	0.07	1.97	2.1	2.4	1.5	24.7	<0.01	0.03	1.5
YY15538		0.56	20.1	530	40.2	13.9	0.007	0.04	1.68	1.9	2.3	1.0	59.0	<0.01	0.03	1.6
YY15539		0.69	19.0	530	35.8	15.9	0.011	0.05	1.66	1.7	2.5	1.1	50.0	<0.01	0.01	1.5
YY15540		0.74	23.8	660	41.9	11.6	0.006	0.05	1.93	2.2	2.2	1.1	37.4	<0.01	0.03	1.9

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15501		0.016	0.25	1.39	18	5.03	7.52	195	1.6
YY15502		0.028	0.23	1.08	31	6.49	9.39	199	2.1
YY15503		0.052	0.27	0.84	49	1.27	11.30	182	3.0
YY15504		0.032	0.30	2.07	34	6.83	9.87	391	1.5
YY15505		0.016	0.20	3.91	21	3.52	6.52	460	1.2
YY15506		0.022	0.43	5.43	35	5.91	10.80	1220	1.9
YY15507		0.009	0.24	2.45	11	3.87	4.39	422	0.7
YY15508		0.021	0.37	6.92	38	10.45	12.60	1900	0.9
YY15509		0.023	0.37	2.05	30	7.72	14.50	370	1.3
YY15510		0.014	0.25	3.40	23	10.85	10.85	1080	0.9
YY15511		0.025	0.32	1.21	31	5.90	12.05	550	1.4
YY15512		0.016	0.33	3.21	25	8.54	13.50	1810	1.5
YY15513		0.015	0.24	2.40	22	6.15	9.95	1320	1.3
YY15514		0.022	0.27	3.44	34	8.37	11.40	994	1.4
YY15515		0.021	0.26	2.94	29	4.71	12.40	904	1.6
YY15516		0.015	0.22	2.21	21	4.79	6.82	536	1.3
YY15517		0.014	0.22	5.48	18	3.51	6.38	512	1.2
YY15518		0.024	0.27	1.75	32	4.63	9.65	670	1.1
YY15519		0.031	0.29	1.96	33	3.71	9.11	604	1.1
YY15520		0.033	0.22	2.06	32	3.08	9.53	254	1.9
YY15521		0.027	0.23	2.54	37	1.30	10.80	260	2.1
YY15522		0.035	0.23	0.79	44	1.99	11.15	232	2.3
YY15523		0.021	0.22	2.87	36	4.73	10.25	236	1.2
YY15524		0.022	0.22	1.26	36	1.03	10.60	239	1.4
YY15525		0.016	0.18	4.79	29	0.60	7.00	233	1.0
YY15526		0.017	0.23	8.29	35	0.78	10.70	263	1.1
YY15527		0.018	0.21	4.22	33	1.07	12.25	342	1.2
YY15528		0.020	0.25	2.36	38	1.52	13.55	406	1.3
YY15529		0.018	0.23	2.05	36	1.73	14.70	363	1.4
YY15530		0.019	0.19	2.25	33	1.11	8.76	272	1.0
YY15531		0.021	0.25	10.15	35	2.26	12.65	538	1.7
YY15532		0.022	0.26	4.14	36	3.49	12.15	460	1.7
YY15533		0.018	0.20	3.00	32	3.93	10.85	442	1.4
YY15534		0.022	0.27	3.87	39	2.84	13.40	555	1.7
YY15535		0.019	0.24	4.62	39	3.15	11.10	587	1.3
YY15536		0.019	0.27	8.53	41	3.62	11.55	783	1.3
YY15537		0.020	0.22	2.63	32	3.04	9.38	699	1.3
YY15538		0.019	0.21	3.66	25	2.07	7.56	465	1.3
YY15539		0.017	0.19	3.66	22	3.59	7.14	558	1.2
YY15540		0.021	0.22	2.92	30	2.07	9.71	459	1.5

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Finalized Date: 8- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY15541		0.37	<0.001	0.13	0.85	10.6	<0.02	<10	120	0.48	0.16	0.20	1.26	23.2	6.7	15
YY15542		0.43	<0.001	0.07	0.97	14.2	<0.02	<10	130	0.29	0.44	0.05	0.18	23.2	7.3	22
YY15543		0.33	<0.001	0.43	1.51	11.2	<0.02	<10	290	0.74	0.21	0.68	2.25	23.9	8.6	26
YY15544		0.35	0.005	0.26	0.65	12.5	<0.02	<10	150	0.42	0.17	0.30	1.38	23.2	6.1	15
YY15545		0.49	<0.001	0.39	1.52	17.4	<0.02	<10	330	0.71	0.68	1.62	1.28	34.0	9.3	31
YY15546		0.49	0.001	0.61	1.17	27.1	<0.02	<10	180	0.68	0.70	0.52	0.69	20.9	6.5	26
YY15547		0.40	<0.001	0.31	1.09	9.4	<0.02	<10	230	0.72	0.57	0.87	1.70	14.75	6.9	27
YY15548		0.39	<0.001	0.36	1.55	16.8	<0.02	<10	380	0.78	0.41	0.71	0.71	30.8	10.7	32
YY15549		0.47	<0.001	0.10	1.18	10.7	<0.02	<10	140	0.50	0.48	0.08	0.27	17.90	6.0	22
YY15550		0.47	0.002	0.22	1.71	18.7	<0.02	<10	350	0.93	0.40	0.14	0.53	36.2	10.5	33
YY15551		0.44	<0.001	0.40	1.48	15.2	<0.02	<10	300	0.76	0.32	1.62	1.11	27.8	9.2	33
YY15552		0.51	0.001	0.07	1.53	16.3	<0.02	<10	250	0.51	0.40	0.38	0.42	24.7	7.3	29
YY15553		0.35	<0.001	0.17	1.10	17.6	<0.02	<10	160	0.55	0.37	0.17	1.03	26.1	9.3	23
YY15554		0.27	0.004	0.91	1.63	17.0	<0.02	10	440	0.85	0.39	2.33	0.66	16.00	5.7	27
YY15555		0.47	<0.001	0.15	0.62	9.4	<0.02	<10	70	0.32	0.72	0.55	0.84	5.78	3.4	14
YY15556		0.40	0.002	0.28	1.70	18.8	<0.02	<10	240	0.72	0.67	0.47	1.60	28.7	10.3	33
YY15557		0.48	0.009	0.48	1.73	24.9	<0.02	<10	250	0.84	1.05	1.29	1.28	33.7	12.7	35
YY15558		0.41	0.001	0.37	1.44	15.8	<0.02	<10	300	0.67	0.20	1.46	1.66	24.2	9.5	24
YY15559		0.33	0.001	0.40	1.82	15.8	<0.02	<10	230	0.75	0.35	0.24	1.19	30.6	9.0	27
YY15560		0.38	0.002	0.17	1.97	19.2	<0.02	<10	150	0.78	0.35	0.22	1.28	29.8	11.5	32
YY15561		0.46	0.003	0.16	2.07	22.0	<0.02	<10	250	0.95	0.54	0.34	1.90	36.9	13.9	35
YY15562		0.36	0.003	0.12	1.57	10.7	<0.02	<10	160	0.47	0.28	0.18	0.14	29.1	5.2	25
YY15563		0.49	0.004	0.36	1.55	22.4	<0.02	<10	360	0.77	0.59	0.38	0.95	37.5	11.8	30
YY15564		0.34	0.001	0.44	1.39	10.6	<0.02	<10	310	0.58	0.20	1.55	1.88	20.4	7.9	26
YY15565		0.37	<0.001	0.33	1.39	16.9	<0.02	<10	270	0.66	0.42	0.54	0.58	30.6	9.1	28
YY15566		0.40	0.001	0.47	1.82	14.6	<0.02	<10	310	0.72	0.30	0.84	1.48	27.6	10.2	35
YY15567		0.35	<0.001	0.41	1.46	12.5	<0.02	<10	440	0.68	0.26	1.15	1.93	26.3	8.6	28
YY15568		0.36	<0.001	0.37	1.41	11.1	<0.02	<10	290	0.64	0.23	0.68	1.47	29.3	9.0	28
YY15569		0.48	<0.001	0.21	1.33	7.8	<0.02	<10	140	0.73	0.11	12.55	0.76	10.75	4.5	28
YY15570		0.32	<0.001	0.50	1.33	9.7	<0.02	<10	310	0.66	0.23	1.59	0.90	19.55	8.3	23
YY15571		0.40	<0.001	0.22	2.18	15.2	<0.02	<10	160	1.00	0.30	0.15	0.45	31.6	13.9	30
YY15572		0.41	<0.001	0.47	1.30	14.0	<0.02	<10	230	0.77	0.31	0.84	0.85	26.6	9.4	26
YY15573		0.47	0.001	0.38	1.34	13.1	<0.02	<10	240	0.73	0.36	0.48	1.12	26.4	9.0	28
YY15574		0.40	<0.001	0.42	1.58	13.3	<0.02	<10	310	0.75	0.36	0.58	0.98	30.6	11.3	27
YY15575		0.40	0.002	0.36	1.26	18.7	<0.02	<10	220	0.84	0.95	0.48	2.30	26.8	9.9	25
YY15576		0.36	0.002	0.41	1.28	11.7	<0.02	<10	260	0.67	0.45	1.15	4.34	23.7	7.4	23
YY15577		0.27	<0.001	0.35	1.15	11.7	<0.02	<10	480	0.57	0.29	1.72	2.78	17.35	9.9	21
YY15578		0.52	<0.001	0.28	1.49	10.3	<0.02	<10	490	0.64	0.37	0.39	0.43	21.9	7.8	26
YY15579		0.36	0.001	0.27	1.88	18.6	<0.02	<10	230	0.83	0.62	0.46	1.02	29.8	10.1	27
YY15580		0.37	<0.001	0.38	1.32	7.9	<0.02	<10	250	0.61	0.22	1.18	1.70	19.30	9.0	22

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15541		0.65	14.5	1.71	1.84	0.05	0.03	0.02	0.026	0.03	12.8	10.9	0.24	387	1.00	<0.01
YY15542		2.22	8.6	2.10	5.23	<0.05	<0.02	0.02	0.020	0.05	12.3	7.9	0.18	956	2.85	<0.01
YY15543		2.27	19.9	1.99	3.94	0.05	0.05	0.05	0.030	0.07	14.0	23.5	0.50	362	1.90	0.02
YY15544		0.68	18.2	1.92	1.85	0.06	0.05	0.04	0.021	0.04	14.8	9.7	0.27	472	1.30	<0.01
YY15545		1.97	43.5	2.54	4.07	0.06	0.04	0.07	0.039	0.08	19.1	19.1	1.11	357	3.59	0.02
YY15546		1.78	28.2	2.24	3.44	0.05	0.03	0.04	0.090	0.06	12.0	17.5	0.52	516	2.91	0.01
YY15547		2.28	31.0	1.98	3.60	<0.05	0.02	0.05	0.023	0.05	7.4	14.2	0.41	666	3.02	0.01
YY15548		1.52	34.6	2.88	4.46	0.05	0.04	0.07	0.075	0.08	17.1	17.8	0.65	633	4.44	0.01
YY15549		1.32	26.8	2.10	3.20	<0.05	0.03	0.02	0.028	0.04	8.3	14.3	0.33	248	6.66	<0.01
YY15550		1.79	37.1	2.99	4.62	0.06	0.05	0.07	0.041	0.10	19.4	19.0	0.46	551	2.58	<0.01
YY15551		1.44	30.5	2.81	3.73	0.05	0.05	0.06	0.035	0.09	15.8	17.8	1.03	712	2.40	0.01
YY15552		2.32	13.0	2.66	4.80	<0.05	<0.02	0.01	0.030	0.07	12.0	20.9	0.56	293	2.79	<0.01
YY15553		1.11	45.6	2.39	2.91	0.05	0.04	0.04	0.030	0.06	14.1	14.2	0.36	369	3.20	<0.01
YY15554		2.25	59.8	2.20	4.05	0.05	0.04	0.21	0.045	0.09	10.4	15.3	0.47	556	5.03	0.01
YY15555		0.96	10.8	2.12	1.97	<0.05	<0.02	0.01	0.018	0.03	2.5	7.1	0.16	140	1.83	0.02
YY15556		2.36	19.2	2.88	4.32	0.05	0.03	0.02	0.041	0.07	13.5	28.9	0.75	631	2.86	0.01
YY15557		3.09	47.5	3.32	4.69	0.06	<0.02	0.10	0.046	0.11	19.2	19.2	1.13	673	2.85	0.01
YY15558		2.01	19.6	2.73	3.63	0.05	0.04	0.03	0.028	0.07	14.4	20.4	0.97	462	1.83	0.03
YY15559		1.85	15.5	2.75	3.98	0.05	0.03	0.04	0.035	0.05	15.6	18.0	0.37	647	1.69	<0.01
YY15560		1.43	23.4	2.91	3.32	0.05	0.10	0.05	0.039	0.06	14.8	19.7	0.44	657	1.77	<0.01
YY15561		1.94	26.7	3.14	3.99	0.06	0.08	0.03	0.046	0.07	17.7	19.0	0.61	679	2.22	0.01
YY15562		1.38	14.0	2.22	4.56	0.05	<0.02	0.03	0.029	0.04	15.9	13.9	0.40	135	1.10	<0.01
YY15563		1.81	45.2	3.22	4.00	0.07	0.03	0.09	0.039	0.11	22.0	16.8	0.57	701	2.50	0.01
YY15564		2.30	18.4	1.73	3.50	0.05	0.04	0.04	0.030	0.07	12.4	19.9	0.70	448	3.78	0.02
YY15565		1.58	28.7	2.65	3.74	0.05	0.03	0.10	0.035	0.07	17.7	16.5	0.60	464	1.66	0.01
YY15566		2.25	20.2	2.64	4.68	0.05	0.04	0.07	0.036	0.06	15.6	30.3	0.57	415	1.54	0.02
YY15567		1.43	31.3	2.58	3.68	0.05	0.04	0.08	0.031	0.09	16.2	17.1	0.46	539	1.62	<0.01
YY15568		1.42	21.8	2.40	3.81	0.05	0.04	0.06	0.032	0.07	16.7	16.8	0.48	461	1.29	0.01
YY15569		1.14	18.1	1.61	4.13	<0.05	0.03	0.03	0.021	0.04	6.0	14.0	0.37	260	1.27	<0.01
YY15570		1.06	21.3	2.23	4.12	<0.05	0.04	0.07	0.026	0.04	10.9	12.5	0.36	716	1.24	<0.01
YY15571		1.23	19.8	3.05	4.43	<0.05	0.10	0.04	0.042	0.05	12.1	16.0	0.38	542	1.71	<0.01
YY15572		1.10	23.6	2.56	3.76	0.05	0.05	0.07	0.036	0.07	16.8	14.7	0.67	559	1.69	0.01
YY15573		1.34	24.7	2.69	4.29	0.05	0.04	0.06	0.032	0.05	16.0	17.6	0.55	475	1.40	0.01
YY15574		1.56	22.0	2.75	5.18	0.05	0.04	0.06	0.038	0.05	14.2	17.2	0.46	581	1.65	<0.01
YY15575		1.68	82.6	2.65	4.30	0.06	0.05	0.06	0.036	0.07	17.6	15.7	0.69	574	2.60	0.01
YY15576		1.62	46.6	2.20	4.09	0.05	0.04	0.07	0.032	0.06	18.1	17.6	0.46	261	3.02	0.01
YY15577		1.21	17.1	2.38	3.98	<0.05	0.03	0.09	0.024	0.04	8.2	11.7	0.32	3260	2.80	<0.01
YY15578		1.83	15.2	2.60	5.51	<0.05	0.03	0.06	0.033	0.05	11.9	16.8	0.37	379	1.16	<0.01
YY15579		1.75	38.5	2.81	5.18	0.06	0.07	0.06	0.036	0.07	16.0	18.5	1.03	454	1.96	0.01
YY15580		1.66	19.7	1.78	3.96	<0.05	0.05	0.08	0.025	0.05	11.5	20.3	0.65	148	1.28	0.02

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

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY15541		0.44	29.9	810	26.2	4.8	<0.001	0.02	1.04	1.9	0.4	0.4	15.0	<0.01	0.02	3.0
YY15542		0.57	12.3	520	27.3	11.1	<0.001	0.02	0.76	1.1	0.3	0.8	7.7	<0.01	0.04	0.3
YY15543		0.52	32.2	1010	27.2	14.9	0.001	0.07	1.07	2.9	1.0	0.6	28.9	<0.01	0.03	2.3
YY15544		0.30	25.2	890	31.0	5.0	<0.001	0.02	1.28	2.5	0.2	0.4	19.7	<0.01	0.03	3.2
YY15545		0.77	48.2	990	25.4	15.0	0.004	0.04	1.39	3.5	0.8	2.3	30.5	<0.01	0.03	2.5
YY15546		0.62	30.7	510	25.7	15.4	0.001	0.03	1.48	2.8	0.5	0.8	16.8	<0.01	0.03	2.3
YY15547		0.65	26.9	480	15.1	14.7	0.001	0.04	1.06	2.1	0.6	0.7	14.8	<0.01	0.03	1.4
YY15548		0.68	38.5	800	33.5	11.2	0.001	0.03	1.49	4.0	0.5	1.2	23.4	<0.01	0.03	3.0
YY15549		0.69	26.0	370	25.8	8.3	<0.001	0.02	0.72	1.9	0.4	0.6	7.3	<0.01	0.03	2.1
YY15550		0.68	44.4	640	49.4	13.2	<0.001	0.03	1.77	5.2	0.7	1.0	17.7	<0.01	0.04	4.9
YY15551		0.69	42.8	730	51.1	11.1	<0.001	0.04	1.46	3.5	0.7	0.7	24.9	<0.01	0.04	3.4
YY15552		0.82	27.5	380	19.0	14.7	<0.001	0.03	0.92	2.6	0.6	0.7	16.9	<0.01	0.04	1.8
YY15553		0.57	38.9	620	38.2	8.8	0.001	0.03	1.41	2.4	0.8	0.6	14.6	<0.01	0.04	3.2
YY15554		0.57	32.8	1920	29.4	23.3	0.024	0.23	1.88	1.7	6.7	0.8	29.7	<0.01	0.04	0.6
YY15555		0.29	21.3	420	5.1	6.7	<0.001	0.04	0.60	1.0	0.8	0.5	12.4	<0.01	0.06	1.2
YY15556		0.75	51.8	490	31.5	13.8	<0.001	0.03	1.19	3.2	0.7	0.7	18.3	<0.01	0.03	2.4
YY15557		0.69	48.3	960	35.9	17.9	<0.001	0.03	1.82	4.1	0.9	1.0	28.4	<0.01	0.05	2.0
YY15558		0.50	31.9	1050	29.0	12.9	0.002	0.05	1.21	2.8	1.0	0.4	31.7	<0.01	0.04	2.9
YY15559		0.61	35.1	1100	34.3	10.2	<0.001	0.03	1.17	2.7	0.5	0.6	17.0	<0.01	0.03	1.7
YY15560		0.68	45.3	1100	80.2	8.7	<0.001	0.03	1.67	3.4	0.9	0.5	14.7	<0.01	0.04	4.2
YY15561		0.73	47.4	910	44.0	12.2	<0.001	0.04	1.65	4.2	0.9	0.8	18.4	<0.01	0.04	4.2
YY15562		0.44	21.3	980	17.7	7.8	<0.001	0.03	0.65	1.4	0.4	0.9	14.3	<0.01	0.02	0.5
YY15563		0.44	44.0	990	39.2	13.5	<0.001	0.03	1.91	5.3	0.8	0.8	23.6	<0.01	0.04	4.5
YY15564		0.52	29.4	950	25.3	17.1	0.004	0.17	1.00	2.5	2.3	0.4	35.8	<0.01	0.01	1.8
YY15565		0.55	36.2	830	32.0	11.0	<0.001	0.02	1.21	3.6	0.3	0.6	25.2	<0.01	0.03	3.9
YY15566		0.77	36.5	980	28.2	16.2	<0.001	0.04	1.02	3.6	0.5	0.6	24.9	<0.01	0.03	2.3
YY15567		0.52	44.2	950	38.2	13.9	0.002	0.06	1.48	2.7	1.4	0.6	25.8	<0.01	0.03	1.4
YY15568		0.66	34.9	810	30.5	10.3	<0.001	0.03	0.93	3.2	0.6	0.5	23.9	<0.01	0.02	2.5
YY15569		0.42	32.2	580	13.2	5.7	<0.001	0.01	0.72	2.5	0.5	0.3	166.5	<0.01	0.02	2.4
YY15570		0.50	26.2	910	23.5	8.1	<0.001	0.06	0.80	2.0	1.5	0.4	27.3	<0.01	0.04	1.0
YY15571		0.77	41.2	650	34.6	8.9	<0.001	0.01	1.19	3.2	0.8	0.5	12.8	0.01	0.05	4.4
YY15572		0.48	36.8	800	39.4	9.0	<0.001	<0.01	1.32	3.8	0.4	0.6	23.1	<0.01	0.03	3.8
YY15573		0.59	35.3	550	31.9	9.4	<0.001	0.01	1.11	3.4	0.4	0.5	18.6	<0.01	0.04	2.6
YY15574		0.58	35.4	650	32.0	12.7	<0.001	0.02	0.79	2.7	0.6	0.6	19.5	<0.01	0.03	1.6
YY15575		0.63	84.8	840	26.0	11.5	0.001	0.01	1.48	3.1	0.8	1.2	21.4	<0.01	0.04	2.7
YY15576		0.54	52.8	850	26.6	15.4	0.007	0.06	1.20	2.2	2.1	1.2	22.9	<0.01	0.04	1.0
YY15577		0.46	19.6	1330	16.4	9.5	<0.001	0.10	0.67	1.6	1.4	0.4	31.9	<0.01	0.04	0.6
YY15578		0.51	21.6	1550	21.3	16.9	<0.001	0.04	0.48	1.9	0.6	0.5	20.9	<0.01	0.03	0.8
YY15579		0.50	44.8	630	27.5	10.6	<0.001	0.01	1.28	3.6	0.5	0.8	18.5	<0.01	0.04	4.3
YY15580		0.39	30.7	940	25.1	12.1	0.001	0.06	0.93	2.3	1.1	0.4	31.2	<0.01	0.03	1.8

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CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15541		0.022	0.17	0.62	25	0.38	7.15	164	1.5
YY15542		0.035	0.23	0.49	71	1.41	2.56	92	<0.5
YY15543		0.023	0.29	1.33	39	0.24	11.10	249	1.7
YY15544		0.024	0.21	0.65	26	0.60	15.55	159	2.7
YY15545		0.037	0.30	2.88	44	1.36	13.00	422	1.5
YY15546		0.029	0.22	1.30	44	2.49	9.92	189	1.3
YY15547		0.024	0.24	3.82	45	3.95	9.24	121	0.6
YY15548		0.034	0.23	2.99	52	1.48	11.70	163	1.2
YY15549		0.023	0.17	2.02	42	3.56	3.35	110	0.9
YY15550		0.030	0.37	1.26	51	0.64	13.55	198	2.1
YY15551		0.026	0.26	0.80	40	0.59	10.30	191	1.9
YY15552		0.032	0.26	0.94	53	0.54	3.92	150	0.5
YY15553		0.023	0.21	1.83	35	2.38	7.01	203	1.5
YY15554		0.012	0.38	20.3	44	7.00	12.85	153	1.2
YY15555		0.010	0.06	2.32	25	1.51	3.57	108	0.5
YY15556		0.040	0.28	1.27	46	1.54	6.80	507	1.1
YY15557		0.040	0.46	0.98	51	4.32	14.00	218	<0.5
YY15558		0.025	0.27	0.86	35	0.30	11.00	229	1.6
YY15559		0.026	0.25	0.90	43	1.14	8.50	201	0.8
YY15560		0.026	0.30	0.89	43	0.40	9.82	235	3.4
YY15561		0.031	0.32	1.09	45	3.88	11.60	179	2.8
YY15562		0.026	0.22	0.77	45	0.56	6.42	78	<0.5
YY15563		0.034	0.34	1.08	51	1.11	17.10	190	1.5
YY15564		0.023	0.29	2.02	36	0.60	10.90	272	1.3
YY15565		0.032	0.24	0.71	43	1.01	12.55	147	1.6
YY15566		0.031	0.27	0.86	47	0.44	13.70	171	1.3
YY15567		0.020	0.24	2.13	40	0.39	12.70	407	1.2
YY15568		0.029	0.19	0.87	40	0.40	10.75	191	1.2
YY15569		0.016	0.33	0.57	42	0.27	9.95	244	1.1
YY15570		0.016	0.14	1.17	36	0.27	8.56	113	1.2
YY15571		0.023	0.23	0.86	42	0.65	5.79	141	2.7
YY15572		0.021	0.23	0.68	35	0.47	14.65	170	2.0
YY15573		0.029	0.19	1.17	40	0.82	12.45	213	1.3
YY15574		0.021	0.18	1.80	46	0.44	8.57	303	0.9
YY15575		0.036	0.25	2.02	39	2.77	13.15	1100	1.8
YY15576		0.021	0.19	7.94	36	0.86	14.25	911	1.1
YY15577		0.019	0.15	2.43	35	0.22	6.41	170	0.9
YY15578		0.021	0.18	1.91	47	0.91	7.24	127	0.6
YY15579		0.032	0.37	1.18	42	1.29	11.55	149	3.1
YY15580		0.018	0.29	0.68	31	0.21	10.25	222	1.5

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CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY15581		0.45	0.004	0.36	2.51	19.5	<0.02	<10	210	1.23	0.35	0.38	1.87	33.1	14.9	37
YY15582		0.36	0.001	0.21	1.63	18.0	<0.02	<10	170	0.79	0.39	0.29	1.07	30.0	10.2	27
YY15583		0.45	0.001	0.22	1.21	10.0	<0.02	<10	240	0.39	0.31	0.25	0.40	25.4	6.7	23
YY15584		0.31	0.007	0.48	0.94	37.7	<0.02	<10	520	0.38	0.81	0.06	0.94	26.3	3.2	22
YY15585		0.44	0.004	0.50	1.34	33.0	<0.02	<10	350	0.53	0.77	1.03	0.98	26.7	9.5	33
YY15586		0.46	0.007	0.39	1.34	43.9	<0.02	<10	320	0.53	1.40	0.07	0.64	27.9	8.0	27
YY15587		0.37	0.006	0.33	1.47	31.3	<0.02	<10	400	0.45	1.06	0.13	1.99	25.5	9.0	44
YY15588		0.29	<0.001	0.71	1.77	16.3	<0.02	<10	250	0.51	0.43	0.35	4.86	24.1	12.5	53
YY15589		0.42	0.002	0.10	2.05	15.7	<0.02	<10	200	0.62	0.34	0.20	3.28	33.8	17.8	45
YY15590		0.38	<0.001	0.32	1.90	18.3	<0.02	<10	200	0.82	0.28	0.28	6.14	34.6	25.9	47
YY15591		0.40	<0.001	0.14	2.24	13.7	<0.02	<10	90	0.36	0.34	0.06	0.25	16.60	8.3	45
YY15592		0.34	<0.001	0.33	1.93	14.7	<0.02	<10	340	0.60	0.23	0.36	0.27	25.4	11.1	30
YY15593		0.50	<0.001	0.08	2.40	7.6	<0.02	<10	220	0.29	0.24	0.13	0.10	12.45	13.4	22
YY15594		0.35	0.004	0.88	1.13	16.0	<0.02	<10	870	0.32	0.58	0.36	0.71	23.2	4.8	23
YY15595		0.35	0.002	0.67	0.98	23.9	<0.02	<10	410	0.31	0.64	0.17	0.82	22.3	4.3	27
YY15596		0.38	0.011	1.34	1.52	33.3	<0.02	<10	1030	0.65	0.71	0.55	3.18	30.7	8.4	32
YY15597		0.33	0.003	1.17	1.41	30.7	<0.02	<10	1140	0.55	1.14	0.70	1.67	21.3	9.1	28
YY15598		0.44	0.002	0.69	1.77	21.2	<0.02	<10	870	0.73	0.93	0.38	1.47	28.7	8.0	32
YY15599		0.64	0.004	0.75	1.23	16.1	<0.02	<10	550	0.40	0.64	0.32	0.88	28.3	6.6	27
YY15600		0.33	0.006	0.61	1.26	32.0	<0.02	<10	450	0.53	2.07	0.19	1.05	29.3	6.0	24
YY15601		0.43	0.003	1.03	1.46	30.1	<0.02	<10	1200	0.68	1.08	0.70	1.54	26.3	7.9	28
YY15602		0.46	0.004	1.02	1.21	28.4	<0.02	<10	870	0.59	0.77	2.47	17.00	27.3	5.8	25
YY15603		0.31	0.009	4.06	1.88	48.3	<0.02	<10	2540	0.89	1.57	0.70	2.65	30.0	6.9	31
YY15604		0.25	0.001	0.87	1.21	22.7	<0.02	<10	1130	0.61	1.53	1.32	2.19	20.9	7.3	23
YY15605		0.24	<0.001	1.75	1.23	24.2	<0.02	<10	270	0.40	0.83	0.09	0.70	21.3	5.2	29
YY15606		0.36	0.001	0.56	1.08	19.7	<0.02	<10	110	0.16	0.59	0.04	0.20	21.6	2.9	56
YY15607		0.28	<0.001	1.39	1.23	15.5	<0.02	<10	120	0.20	0.40	0.04	0.20	20.6	2.5	20
YY15608		0.43	0.003	0.98	1.50	29.2	<0.02	<10	1210	0.73	1.36	0.34	1.01	27.9	8.0	31
YY15609		0.28	0.001	0.91	1.62	24.7	<0.02	<10	1130	0.58	0.76	0.49	0.46	28.6	6.3	42
YY15610		0.37	0.013	0.88	1.39	25.2	<0.02	<10	970	0.45	0.61	0.54	0.98	27.0	6.9	31
YY15611		0.21	0.002	0.68	1.67	22.2	<0.02	<10	590	0.63	0.55	0.66	2.65	22.1	9.0	28
YY15612		0.43	0.003	0.26	1.85	12.4	<0.02	<10	320	0.76	0.27	0.39	0.81	30.1	10.1	32
YY15613		0.30	<0.001	0.35	1.86	15.9	<0.02	<10	340	0.65	0.38	0.54	1.93	26.3	9.8	30
YY15614		0.44	<0.001	0.27	1.71	14.6	<0.02	<10	360	0.73	0.20	4.31	1.52	23.1	11.6	27
YY15615		0.37	0.001	0.39	1.50	14.4	<0.02	<10	290	0.58	0.30	0.86	1.59	22.3	8.7	25
YY15616		0.45	0.009	0.80	1.21	32.5	<0.02	<10	270	0.58	0.54	1.49	2.05	22.9	9.1	21
YY15617		0.46	0.001	0.77	1.70	28.9	<0.02	<10	320	0.72	0.36	3.60	2.44	21.2	10.4	25
YY15618		0.49	0.002	0.51	1.80	17.5	<0.02	<10	320	0.73	0.35	0.88	1.49	21.7	9.9	28
YY15619		0.42	0.003	0.34	1.04	6.4	<0.02	<10	190	0.43	0.17	0.80	1.26	17.05	5.5	23
YY15620		0.34	<0.001	0.25	1.35	10.3	<0.02	<10	120	0.58	0.18	0.87	0.49	15.10	5.3	29

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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15581		2.12	31.8	3.24	5.25	0.07	0.12	0.07	0.039	0.07	16.8	22.0	0.65	873	2.12	0.03
YY15582		1.31	24.1	2.79	3.92	0.05	0.06	0.03	0.038	0.05	13.4	15.6	0.45	514	2.04	0.01
YY15583		1.31	12.6	2.11	4.41	<0.05	0.02	0.03	0.022	0.04	13.9	14.4	0.43	271	1.26	<0.01
YY15584		1.35	25.0	2.21	4.31	0.05	<0.02	0.21	0.055	0.10	15.7	7.6	0.22	115	17.50	<0.01
YY15585		1.81	34.5	2.95	4.85	0.05	0.05	0.16	0.052	0.10	14.9	13.3	0.90	412	10.40	0.01
YY15586		2.36	34.3	2.94	4.60	0.05	<0.02	0.13	0.084	0.13	15.7	12.1	0.34	336	13.80	0.01
YY15587		2.80	43.8	2.72	5.41	0.05	<0.02	0.06	0.059	0.10	14.3	14.2	0.61	289	12.10	0.01
YY15588		8.44	160.0	3.04	7.12	0.07	<0.02	0.07	0.063	0.06	13.8	22.3	0.78	207	24.1	0.01
YY15589		4.10	55.4	3.46	6.74	0.05	0.03	0.05	0.032	0.07	14.7	20.3	0.93	505	4.47	0.01
YY15590		6.09	120.0	3.24	5.80	0.07	0.03	0.08	0.035	0.05	19.9	21.0	0.71	456	13.90	0.01
YY15591		4.98	23.4	3.36	7.76	<0.05	0.03	0.05	0.026	0.03	7.7	18.9	0.35	270	2.59	<0.01
YY15592		5.66	27.5	3.11	6.21	0.05	<0.02	0.06	0.027	0.05	14.2	19.0	0.59	298	1.52	0.01
YY15593		6.40	10.7	3.04	12.25	<0.05	0.03	0.02	0.023	0.12	6.2	29.8	1.11	172	1.13	0.01
YY15594		2.12	28.5	1.92	5.09	0.05	<0.02	0.14	0.038	0.06	13.4	8.4	0.28	152	8.12	<0.01
YY15595		1.55	24.3	2.09	5.75	<0.05	<0.02	0.10	0.049	0.07	12.8	8.2	0.27	184	8.73	<0.01
YY15596		2.18	58.6	2.84	5.21	0.06	0.07	0.33	0.079	0.11	19.0	13.4	0.43	354	11.65	<0.01
YY15597		1.62	43.1	2.62	4.77	0.06	0.09	0.23	0.066	0.09	12.6	12.1	0.40	1140	12.60	<0.01
YY15598		1.90	70.5	2.60	5.02	0.06	0.08	0.15	0.060	0.07	16.2	15.7	0.52	276	7.45	<0.01
YY15599		1.18	35.0	2.03	4.33	0.05	0.07	0.30	0.054	0.06	15.8	12.5	0.41	246	7.44	<0.01
YY15600		1.88	57.9	2.26	4.11	0.06	0.03	0.14	0.092	0.07	16.8	15.0	0.34	180	9.36	<0.01
YY15601		1.48	45.3	2.72	4.46	0.06	0.07	0.15	0.070	0.08	14.5	15.7	0.49	377	5.54	0.01
YY15602		1.40	79.9	2.24	3.71	0.05	0.09	0.18	0.081	0.13	16.3	10.6	1.40	541	8.08	0.01
YY15603		3.59	113.5	2.71	4.94	0.08	0.06	0.79	0.124	0.11	18.1	17.0	0.43	283	16.55	0.06
YY15604		1.24	46.1	2.28	3.66	0.05	0.07	0.14	0.065	0.07	11.8	12.7	0.50	449	3.90	0.01
YY15605		1.80	29.3	2.56	4.57	0.06	0.02	0.20	0.052	0.08	12.1	12.3	0.29	210	7.96	<0.01
YY15606		1.98	15.8	2.57	8.08	0.05	<0.02	0.06	0.030	0.05	11.7	6.2	0.37	134	5.81	<0.01
YY15607		1.49	9.3	2.23	7.31	<0.05	<0.02	0.09	0.025	0.04	11.3	5.4	0.15	95	4.04	<0.01
YY15608		1.97	88.8	3.34	3.88	0.06	0.05	0.25	0.060	0.06	16.4	15.5	0.44	233	8.67	<0.01
YY15609		2.10	25.9	1.93	4.80	0.05	0.07	0.18	0.066	0.08	16.4	16.6	0.48	278	4.98	<0.01
YY15610		1.62	26.8	2.04	4.29	0.05	0.06	0.13	0.053	0.06	15.0	15.3	0.42	768	5.02	<0.01
YY15611		2.13	40.3	2.66	4.62	<0.05	0.06	0.09	0.043	0.08	12.2	20.9	0.55	530	3.94	<0.01
YY15612		2.18	26.5	2.86	4.95	0.06	0.05	0.04	0.024	0.10	16.8	27.8	0.65	345	1.39	0.01
YY15613		2.47	28.8	2.99	5.83	0.05	0.03	0.07	0.031	0.08	17.4	21.9	0.49	363	2.15	<0.01
YY15614		2.58	29.0	3.01	4.46	0.06	0.13	0.05	0.025	0.12	12.9	22.4	1.28	526	1.54	0.03
YY15615		1.67	19.8	2.48	4.08	0.06	0.05	0.05	0.029	0.08	12.5	20.5	0.49	354	2.50	0.01
YY15616		1.99	30.1	2.61	3.32	0.06	0.07	0.10	0.057	0.09	13.5	15.6	1.05	461	5.97	0.02
YY15617		2.70	30.5	2.85	4.37	0.07	0.08	0.11	0.044	0.09	13.0	20.9	1.63	542	4.60	0.05
YY15618		2.26	21.2	2.79	4.72	0.05	0.06	0.07	0.035	0.08	12.7	27.0	0.62	483	3.16	0.02
YY15619		2.01	12.8	1.59	2.96	0.05	0.04	0.05	0.017	0.04	10.6	16.9	0.36	168	1.16	0.01
YY15620		1.61	14.9	1.79	4.02	<0.05	0.03	0.04	0.025	0.03	8.7	23.4	0.43	274	1.13	0.02

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY15581		0.77	48.8	1380	38.9	11.3	<0.001	0.02	1.56	5.8	0.8	1.5	23.2	0.01	0.05	5.1
YY15582		0.49	42.0	1010	34.1	9.4	0.001	0.02	1.49	2.8	0.7	0.5	19.1	<0.01	0.05	2.8
YY15583		0.55	20.5	540	15.3	14.7	<0.001	<0.01	0.77	2.6	0.2	0.5	14.6	<0.01	0.02	2.4
YY15584		0.61	21.0	550	39.7	10.8	<0.001	0.08	5.77	1.9	3.6	3.3	31.9	<0.01	0.13	1.1
YY15585		0.86	29.9	700	38.4	12.4	0.001	0.06	4.35	3.3	2.5	2.1	32.1	<0.01	0.09	3.2
YY15586		0.83	34.3	770	46.8	17.4	0.001	0.12	6.27	2.3	4.2	4.0	42.6	<0.01	0.15	1.6
YY15587		0.73	39.8	710	35.6	15.1	0.001	0.07	5.75	2.0	4.1	3.4	32.0	<0.01	0.12	1.2
YY15588		0.60	194.5	690	13.8	14.8	0.004	0.04	3.93	1.8	4.8	1.0	26.4	<0.01	0.05	0.2
YY15589		1.07	143.5	610	17.6	10.4	0.001	0.01	1.93	3.6	1.4	0.6	14.8	<0.01	0.04	2.5
YY15590		0.78	295	1030	14.2	10.6	0.003	0.03	3.73	3.3	2.8	0.6	20.4	<0.01	0.03	1.2
YY15591		1.91	23.3	400	12.2	8.7	<0.001	0.01	0.93	2.2	1.6	0.6	6.8	0.02	0.05	1.7
YY15592		1.05	31.2	570	14.6	14.9	<0.001	0.01	0.72	3.1	0.8	0.5	19.2	<0.01	0.04	1.9
YY15593		2.73	26.4	230	5.5	11.4	<0.001	<0.01	0.36	2.5	0.2	1.1	8.9	<0.01	0.02	1.3
YY15594		0.35	32.0	770	24.7	10.3	0.001	0.04	2.60	1.4	3.0	1.8	24.7	<0.01	0.06	0.2
YY15595		0.31	25.9	750	36.1	10.5	<0.001	0.04	3.17	1.1	2.5	2.6	24.0	<0.01	0.10	0.2
YY15596		0.59	47.8	1140	50.1	17.1	0.003	0.05	5.03	4.4	4.1	3.6	39.2	<0.01	0.12	2.1
YY15597		0.55	46.9	1280	45.6	13.0	0.003	0.08	5.31	3.1	4.4	2.9	35.0	<0.01	0.09	1.4
YY15598		0.60	56.9	1200	32.6	10.7	0.001	0.03	3.71	4.3	1.9	2.2	31.4	<0.01	0.07	2.4
YY15599		0.56	25.1	870	28.5	9.2	0.001	0.01	3.15	3.5	1.4	2.3	26.9	<0.01	0.07	2.7
YY15600		0.51	46.3	920	67.5	15.4	0.001	0.03	4.65	2.6	2.7	4.5	32.7	<0.01	0.08	2.2
YY15601		0.45	35.9	1190	93.6	13.5	0.002	0.05	3.52	3.0	2.3	2.2	30.4	<0.01	0.07	1.6
YY15602		0.40	57.3	1100	70.9	12.7	0.002	0.06	4.78	3.0	3.5	1.9	37.3	<0.01	0.10	2.4
YY15603		0.56	55.2	1470	377	18.6	0.001	0.09	6.19	3.8	9.1	4.5	47.1	<0.01	0.15	2.5
YY15604		0.47	36.6	990	97.2	11.5	0.001	0.07	3.31	2.4	3.4	1.7	32.9	<0.01	0.06	1.2
YY15605		0.70	25.0	670	81.8	11.6	0.001	0.05	2.55	2.0	3.1	2.1	28.0	<0.01	0.09	1.5
YY15606		1.20	11.0	450	71.5	9.5	0.001	0.03	1.70	1.3	2.2	1.9	20.0	<0.01	0.07	1.1
YY15607		0.87	8.3	520	28.5	6.4	<0.001	0.04	1.08	1.2	1.1	1.2	10.4	<0.01	0.05	0.4
YY15608		0.60	53.4	1130	160.5	11.4	<0.001	0.03	2.58	3.5	2.5	2.6	37.2	<0.01	0.07	3.1
YY15609		0.63	27.0	1400	83.6	13.5	0.001	0.05	2.97	3.0	2.6	1.9	35.3	<0.01	0.05	2.6
YY15610		0.57	23.9	1330	72.4	12.6	0.001	0.04	2.87	2.7	1.1	1.6	34.0	<0.01	0.07	2.3
YY15611		0.43	32.5	1170	33.8	17.0	0.001	0.05	2.62	2.6	1.8	1.2	24.1	<0.01	0.04	1.5
YY15612		0.63	38.0	970	22.8	14.4	0.001	0.01	1.06	3.8	0.5	0.6	23.9	<0.01	0.03	5.2
YY15613		0.70	44.7	650	26.8	17.4	<0.001	0.03	1.37	3.0	0.9	0.8	21.0	<0.01	0.04	2.4
YY15614		0.32	41.7	910	25.6	16.4	<0.001	0.01	1.18	3.8	0.4	0.6	60.2	<0.01	0.03	5.2
YY15615		0.53	29.8	1070	25.9	16.8	0.003	0.05	1.62	2.6	1.7	0.6	28.1	<0.01	0.04	2.4
YY15616		0.25	34.9	1130	50.7	11.4	0.001	0.06	4.43	3.1	2.4	1.2	37.0	<0.01	0.06	4.4
YY15617		0.33	41.1	1220	36.7	14.1	0.001	0.05	3.03	4.0	1.6	0.9	54.1	<0.01	0.06	4.5
YY15618		0.43	36.5	1240	26.5	18.3	0.002	0.06	1.66	2.7	1.3	0.6	26.7	<0.01	0.03	1.7
YY15619		0.42	23.3	880	22.6	11.6	0.002	0.05	0.58	1.8	1.7	0.3	28.6	<0.01	0.01	1.5
YY15620		0.48	25.2	440	15.9	7.6	0.001	0.02	0.64	2.0	0.6	0.3	30.9	<0.01	0.02	2.1

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15581		0.038	0.39	1.37	45	0.94	13.55	213	4.3
YY15582		0.021	0.25	0.80	41	0.95	7.51	156	1.8
YY15583		0.028	0.17	0.72	39	0.47	5.37	124	0.7
YY15584		0.029	0.60	1.36	60	0.31	4.11	73	<0.5
YY15585		0.038	0.50	1.11	57	0.39	6.02	97	2.2
YY15586		0.033	0.76	1.41	66	0.45	3.80	87	0.6
YY15587		0.045	0.56	1.25	66	0.40	5.29	131	<0.5
YY15588		0.044	1.36	3.52	73	0.27	11.00	763	<0.5
YY15589		0.066	0.52	1.32	60	0.20	11.30	631	1.1
YY15590		0.043	0.84	4.00	68	0.19	19.95	2070	0.5
YY15591		0.048	0.24	0.45	61	0.29	2.57	52	0.8
YY15592		0.038	0.50	0.73	52	0.17	8.89	77	0.5
YY15593		0.132	0.39	0.25	70	0.20	2.47	56	0.8
YY15594		0.018	0.52	2.61	47	0.34	6.70	73	<0.5
YY15595		0.021	0.61	1.65	61	0.36	4.15	87	<0.5
YY15596		0.020	0.94	8.85	86	0.52	15.45	195	2.4
YY15597		0.021	0.77	4.45	96	0.50	7.75	152	2.5
YY15598		0.025	0.79	5.47	107	0.51	12.40	195	2.4
YY15599		0.024	0.57	3.36	65	0.34	7.93	124	2.0
YY15600		0.026	0.76	2.59	85	0.67	7.51	230	0.8
YY15601		0.019	0.47	3.64	76	0.39	11.75	200	2.1
YY15602		0.015	0.67	3.62	64	0.43	12.80	302	3.3
YY15603		0.019	1.34	6.78	89	0.97	20.6	254	1.8
YY15604		0.017	0.45	3.02	69	0.39	10.35	268	2.0
YY15605		0.023	0.67	1.56	74	0.50	4.39	181	0.5
YY15606		0.050	0.43	0.72	83	0.42	2.58	92	<0.5
YY15607		0.042	0.32	0.73	79	0.34	2.38	51	<0.5
YY15608		0.024	0.69	5.08	111	0.57	12.60	484	1.6
YY15609		0.022	0.87	4.34	66	0.31	9.35	162	2.3
YY15610		0.022	0.65	3.74	63	0.33	8.43	145	1.8
YY15611		0.018	0.38	2.02	49	0.33	8.60	245	1.7
YY15612		0.035	0.29	0.83	40	0.26	10.45	195	1.8
YY15613		0.022	0.42	1.15	51	0.34	9.82	234	0.9
YY15614		0.039	0.41	0.63	39	0.26	11.10	196	5.9
YY15615		0.021	0.28	1.22	37	0.27	8.95	216	1.7
YY15616		0.026	0.56	1.41	38	0.26	10.25	205	4.5
YY15617		0.032	0.51	1.81	39	0.22	13.20	224	4.3
YY15618		0.021	0.33	1.78	41	0.23	10.65	260	1.8
YY15619		0.017	0.19	0.97	29	0.28	10.00	273	1.1
YY15620		0.022	0.21	0.49	44	0.46	9.76	106	1.1

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	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY15621		0.34	<0.001	0.18	1.30	11.5	<0.02	<10	170	0.59	0.19	0.16	0.52	24.2	7.2	24
YY15622		0.37	<0.001	1.08	1.87	16.3	<0.02	<10	630	1.11	0.20	1.27	6.97	18.70	36.1	23
YY15623		0.37	<0.001	0.03	2.79	39.9	<0.02	<10	690	0.29	0.19	0.16	0.13	14.45	26.5	18
YY15624		0.44	<0.001	0.04	2.08	18.8	<0.02	<10	220	0.45	0.32	0.14	0.13	25.9	16.6	21
YY15625		0.40	<0.001	0.11	2.35	13.4	<0.02	<10	490	0.55	0.17	0.37	0.12	30.7	24.2	23
YY15626		0.40	<0.001	0.08	2.18	14.4	<0.02	<10	210	0.44	0.45	0.16	0.09	22.0	18.1	24
YY15627		0.42	<0.001	0.04	2.25	11.8	<0.02	<10	270	0.48	0.60	0.28	0.08	28.8	18.4	20
YY15628		0.39	<0.001	0.12	1.93	11.1	<0.02	<10	210	0.34	0.75	0.32	0.11	24.0	11.0	16
YY15629		0.29	0.001	0.31	2.17	9.2	<0.02	<10	260	0.30	0.62	0.44	0.15	23.6	13.5	17
YY15630		0.32	<0.001	0.11	2.35	8.7	<0.02	<10	250	0.35	0.45	0.20	0.13	17.70	20.0	29
YY15631		0.38	<0.001	0.13	2.12	6.9	<0.02	<10	320	0.23	0.14	0.42	0.12	14.45	17.8	63
YY15632		0.37	0.001	0.10	1.93	12.3	<0.02	<10	490	0.17	0.16	1.01	0.26	12.85	19.5	137
YY15633		0.29	0.001	0.29	1.89	20.5	<0.02	<10	470	0.40	0.52	0.56	0.22	23.1	18.6	41
YY15634		0.22	<0.001	0.28	1.68	16.2	<0.02	<10	530	0.31	0.77	1.34	1.18	18.85	23.3	24
YY15635		0.42	0.001	0.24	2.16	13.3	<0.02	<10	700	0.36	1.83	0.89	0.25	24.0	24.0	44
YY15636		0.37	<0.001	0.09	1.94	14.0	<0.02	<10	320	0.32	0.65	0.24	0.09	21.5	13.9	36
YY15637		0.41	<0.001	0.21	1.84	13.8	<0.02	<10	290	0.61	1.11	0.33	0.74	32.5	15.8	51
YY15638		0.37	<0.001	0.07	2.26	24.0	<0.02	<10	230	0.73	0.20	0.20	0.29	27.4	23.9	54
YY15639		0.39	<0.001	0.27	1.77	13.5	<0.02	<10	350	0.35	0.14	0.97	0.27	16.80	15.1	67
YY15640		0.36	<0.001	0.06	2.79	2.9	<0.02	<10	670	0.47	0.03	0.57	0.14	20.9	24.5	158
YY15641		0.35	<0.001	0.22	2.38	13.4	<0.02	<10	400	0.59	0.17	0.19	0.18	30.5	19.3	63
YY15643		0.38	<0.001	0.07	3.28	7.0	<0.02	<10	630	0.45	0.05	0.62	0.26	17.70	27.5	15
YY15644		0.32	0.003	0.32	1.28	22.4	<0.02	<10	330	0.37	0.21	0.48	1.41	20.0	12.6	49
YY15645		0.32	0.001	0.33	3.02	6.4	<0.02	<10	510	0.37	0.49	0.37	0.82	15.40	27.4	250
YY15646		0.42	<0.001	0.20	2.38	8.7	<0.02	<10	310	0.47	0.13	0.47	1.17	22.3	27.5	104
YY15647		0.39	<0.001	0.12	2.46	4.7	<0.02	<10	270	0.27	0.15	0.13	0.39	13.55	15.2	108
YY15648		0.33	<0.001	0.21	2.29	23.2	<0.02	<10	230	0.83	0.26	0.10	1.36	20.9	10.8	45
YY15649		0.34	<0.001	0.69	1.48	19.1	<0.02	<10	270	0.34	0.28	0.09	1.15	24.8	7.2	30
YY15650		0.29	<0.001	2.61	1.83	17.9	<0.02	<10	120	0.34	0.28	0.05	0.75	24.3	5.8	31
YY15651		0.38	0.004	0.58	3.35	26.0	<0.02	<10	170	1.82	0.26	0.05	6.66	33.2	36.5	30
YY15652		0.41	0.002	3.63	2.01	60.6	<0.02	<10	140	0.43	0.28	0.05	1.10	31.1	7.1	35
YY15653		0.37	0.011	7.20	1.94	50.6	<0.02	<10	420	0.54	0.62	0.05	0.50	39.5	7.6	29
YY15654		0.45	0.041	0.34	1.13	39.9	<0.02	<10	150	0.32	0.32	0.13	0.26	38.0	5.6	27
YY15655		0.43	0.004	4.63	0.91	19.5	<0.02	<10	110	0.18	0.36	0.02	0.11	20.4	2.4	19
YY15656		0.37	0.009	1.91	2.18	35.5	<0.02	<10	1080	0.93	0.73	0.05	0.36	54.6	12.0	37
YY15657		0.47	0.001	1.34	1.67	21.8	<0.02	<10	210	0.33	0.30	0.11	0.22	40.9	6.5	31
YY15658		0.29	0.015	1.91	1.59	52.7	<0.02	<10	380	0.39	0.62	0.06	0.28	40.0	5.8	32
YY15659		0.46	0.037	2.85	1.34	56.4	0.02	<10	540	0.41	3.26	0.08	0.20	58.4	5.3	27
YY15660		0.41	0.011	1.89	1.55	22.0	<0.02	<10	370	0.40	0.49	0.07	0.26	29.7	7.0	26
YY15661		0.39	0.001	1.07	2.05	15.6	<0.02	<10	390	0.76	0.25	0.09	0.16	37.1	10.6	34

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

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15621		1.15	14.3	2.12	3.13	<0.05	0.04	0.03	0.023	0.04	12.7	13.9	0.39	363	1.04	<0.01
YY15622		1.53	35.6	1.94	2.83	0.06	0.06	0.09	0.022	0.05	14.7	16.5	0.54	472	2.27	0.01
YY15623		29.3	18.7	3.91	12.90	0.05	0.07	0.01	0.025	0.39	7.5	41.7	1.85	367	0.90	0.01
YY15624		4.53	30.3	3.65	8.73	0.05	0.03	0.02	0.027	0.06	11.8	27.7	0.90	272	1.53	<0.01
YY15625		2.71	42.3	4.36	10.25	0.06	0.03	0.02	0.031	0.10	14.9	25.2	1.10	523	1.07	0.01
YY15626		6.69	57.0	4.07	9.26	0.05	<0.02	0.02	0.032	0.07	11.6	31.9	0.82	286	3.52	<0.01
YY15627		9.25	56.5	3.93	9.81	0.05	<0.02	0.02	0.032	0.11	14.7	32.0	0.84	356	3.13	0.01
YY15628		10.45	65.0	4.11	11.35	0.05	<0.02	0.02	0.031	0.08	12.6	25.4	0.78	207	2.87	0.01
YY15629		5.29	58.7	4.70	12.40	0.05	<0.02	0.03	0.050	0.07	12.8	23.0	1.10	225	2.85	0.01
YY15630		8.69	56.7	4.07	9.65	<0.05	<0.02	0.03	0.027	0.05	9.3	29.4	1.30	225	1.84	0.01
YY15631		3.37	38.9	3.04	7.18	<0.05	<0.02	0.02	0.017	0.04	7.4	30.5	1.44	298	0.90	0.01
YY15632		2.98	45.9	2.88	7.10	<0.05	<0.02	0.03	0.018	0.07	5.7	32.3	1.51	391	0.91	0.01
YY15633		2.75	63.2	3.52	7.86	0.05	0.02	0.08	0.030	0.07	12.3	24.9	0.86	296	2.22	0.01
YY15634		10.25	83.5	3.44	7.39	0.06	<0.02	0.07	0.027	0.10	10.9	22.1	0.89	498	2.40	0.01
YY15635		7.38	66.4	3.83	8.25	0.05	<0.02	0.05	0.029	0.08	12.6	25.6	1.25	681	2.83	0.01
YY15636		7.78	41.3	3.47	8.19	<0.05	<0.02	0.02	0.027	0.06	10.9	25.8	0.91	264	2.32	<0.01
YY15637		2.99	45.4	3.67	5.89	0.06	0.02	0.06	0.037	0.09	18.6	24.3	0.72	553	4.13	0.01
YY15638		9.04	333	3.88	5.62	0.05	0.02	0.03	0.047	0.07	12.9	34.5	0.88	664	2.77	<0.01
YY15639		1.48	51.6	3.17	6.50	<0.05	0.02	0.08	0.027	0.05	9.0	23.5	1.02	545	3.21	<0.01
YY15640		4.51	64.4	5.11	13.10	0.10	0.02	0.02	0.055	0.23	10.9	31.6	2.83	651	1.76	0.01
YY15641		2.02	56.9	4.07	8.05	0.06	0.02	0.05	0.035	0.07	15.6	24.5	1.16	541	3.51	<0.01
YY15643		8.88	52.8	6.07	15.95	0.09	<0.02	0.01	0.043	0.36	8.0	30.1	2.92	411	1.50	0.01
YY15644		1.46	52.0	2.89	3.87	<0.05	0.03	0.06	0.028	0.07	10.1	15.3	0.62	338	7.05	<0.01
YY15645		6.43	107.5	4.14	11.60	0.06	0.02	0.04	0.058	0.06	7.9	27.6	1.83	635	3.96	0.02
YY15646		3.28	54.0	3.08	5.76	0.05	<0.02	0.04	0.022	0.04	11.5	21.7	1.34	566	7.66	0.01
YY15647		1.78	18.1	3.78	11.40	<0.05	0.04	0.02	0.018	0.03	6.5	19.2	1.25	314	1.29	<0.01
YY15648		3.03	36.8	5.00	6.16	<0.05	0.05	0.06	0.052	0.09	11.1	32.1	0.69	334	7.29	<0.01
YY15649		1.76	27.4	2.99	5.51	<0.05	<0.02	0.04	0.029	0.05	12.5	14.0	0.36	369	7.02	<0.01
YY15650		7.91	13.7	3.94	6.73	<0.05	0.02	0.07	0.036	0.06	12.6	20.7	0.36	267	8.30	<0.01
YY15651		7.15	233	3.71	4.20	0.06	0.16	0.25	0.049	0.11	16.4	24.5	0.51	466	11.75	<0.01
YY15652		2.47	27.7	4.07	5.97	<0.05	0.03	0.15	0.053	0.06	16.2	18.4	0.40	250	13.80	<0.01
YY15653		2.02	21.6	3.43	5.34	0.06	0.04	0.34	0.044	0.08	20.5	15.6	0.29	223	15.95	<0.01
YY15654		1.17	16.8	3.37	4.90	0.06	<0.02	0.04	0.042	0.09	20.7	13.9	0.38	368	15.65	<0.01
YY15655		0.91	11.2	2.34	3.95	<0.05	0.02	0.29	0.022	0.06	12.0	7.5	0.13	105	21.3	<0.01
YY15656		1.53	37.5	3.77	6.44	0.09	0.07	0.29	0.058	0.14	29.1	20.3	0.53	380	14.00	<0.01
YY15657		1.33	13.2	2.84	6.69	0.07	<0.02	0.17	0.047	0.05	23.3	13.3	0.35	257	11.40	<0.01
YY15658		1.37	22.1	2.67	6.59	0.06	0.02	0.18	0.069	0.07	23.2	12.3	0.29	171	19.10	<0.01
YY15659		1.15	19.2	2.34	6.34	0.08	0.03	0.39	0.298	0.07	32.2	10.1	0.29	191	11.90	<0.01
YY15660		1.17	14.4	2.60	5.20	0.05	0.03	0.14	0.029	0.06	15.3	12.3	0.35	265	6.03	<0.01
YY15661		1.23	24.2	2.93	5.56	0.05	0.03	0.11	0.029	0.05	17.7	14.7	0.53	355	3.10	<0.01

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To: **ATAC RESOURCES LTD.**
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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY15621		0.53	29.8	470	24.1	7.6	0.001	0.01	0.79	2.5	0.4	0.4	12.3	<0.01	0.03	2.5
YY15622		0.57	121.0	2000	24.9	9.0	0.002	0.09	0.72	2.5	1.1	0.3	179.5	<0.01	0.02	2.7
YY15623		2.47	27.4	400	4.9	49.9	<0.001	0.01	0.40	2.5	0.3	1.3	14.6	<0.01	0.02	0.8
YY15624		1.81	28.7	380	14.3	8.9	<0.001	0.01	0.82	3.1	0.7	0.7	11.9	<0.01	0.01	2.6
YY15625		2.18	23.4	1000	13.9	9.5	<0.001	0.01	0.56	4.0	0.5	0.5	16.5	<0.01	0.01	2.6
YY15626		2.00	18.5	460	14.0	13.9	<0.001	0.03	0.71	2.6	0.8	0.7	13.6	<0.01	0.02	1.1
YY15627		2.82	17.0	890	13.9	15.9	0.001	0.01	0.71	3.2	1.1	0.8	14.1	<0.01	0.04	1.9
YY15628		2.70	11.7	930	8.2	14.3	<0.001	0.05	0.50	2.6	1.1	1.4	14.7	<0.01	0.04	0.6
YY15629		3.40	14.0	770	41.9	12.8	0.001	0.04	0.61	3.6	1.6	0.9	15.8	<0.01	0.03	1.1
YY15630		2.00	27.3	420	8.7	12.4	<0.001	0.03	0.43	3.0	0.8	1.3	14.2	<0.01	0.04	0.8
YY15631		1.08	40.7	540	6.4	10.7	<0.001	0.03	0.28	2.2	0.5	0.3	18.9	<0.01	0.01	0.5
YY15632		1.45	45.0	470	5.7	12.4	0.001	0.03	0.35	2.5	1.1	0.3	28.8	<0.01	<0.01	0.5
YY15633		1.45	25.4	840	13.6	9.0	0.001	0.07	0.81	2.6	1.2	0.6	23.1	<0.01	0.05	0.6
YY15634		1.67	27.3	890	9.7	20.5	0.002	0.09	0.88	2.7	1.8	0.8	37.6	<0.01	0.05	0.5
YY15635		1.50	39.9	790	11.0	15.5	<0.001	0.04	0.66	3.4	1.1	0.6	27.9	<0.01	0.05	0.8
YY15636		1.38	28.7	410	10.7	14.3	0.001	0.02	0.56	2.1	0.2	0.6	15.4	<0.01	0.04	0.6
YY15637		1.41	60.2	810	15.7	16.9	0.001	0.06	1.48	3.1	1.5	0.6	29.1	<0.01	0.04	1.7
YY15638		0.90	251	570	22.5	10.9	0.001	0.02	1.23	4.0	0.9	0.4	23.2	<0.01	0.03	2.1
YY15639		0.99	42.8	760	12.8	8.7	0.002	0.05	0.97	2.8	1.6	0.3	45.2	<0.01	0.02	0.9
YY15640		3.54	77.2	630	3.7	16.8	0.001	0.03	0.25	12.1	0.5	0.5	38.3	<0.01	0.01	1.5
YY15641		1.03	51.5	520	23.0	9.8	<0.001	0.01	1.65	3.6	0.6	0.5	15.0	<0.01	0.06	1.6
YY15643		1.80	27.3	1020	6.7	17.2	<0.001	<0.01	0.66	4.4	0.7	0.6	22.4	<0.01	<0.01	1.5
YY15644		0.67	122.0	460	18.1	16.9	0.002	0.03	2.74	2.5	2.5	0.6	29.6	<0.01	0.07	1.6
YY15645		1.37	82.1	400	9.0	14.6	0.001	0.03	0.79	5.3	2.3	5.3	23.4	<0.01	0.06	0.7
YY15646		0.66	188.0	590	8.6	11.1	0.005	0.01	1.00	2.5	1.5	0.4	26.2	<0.01	0.05	1.2
YY15647		2.74	87.3	210	9.2	6.9	<0.001	<0.01	0.39	2.0	0.2	0.8	7.3	<0.01	0.04	1.3
YY15648		1.44	93.0	600	28.9	15.7	<0.001	0.02	3.05	3.5	1.8	0.9	14.7	<0.01	0.10	3.3
YY15649		0.99	34.6	580	20.5	10.5	0.001	0.01	1.98	2.4	3.9	0.7	14.5	<0.01	0.06	2.4
YY15650		1.62	14.8	550	15.4	16.3	0.001	0.01	1.88	2.6	1.3	0.7	10.9	<0.01	0.07	3.6
YY15651		1.00	203	720	32.0	18.9	0.001	0.07	4.63	4.2	4.0	0.9	23.8	0.01	0.12	5.5
YY15652		1.34	21.4	540	24.3	12.2	<0.001	0.04	4.17	3.1	4.1	0.7	29.5	0.01	0.10	4.2
YY15653		1.13	19.8	550	114.0	12.2	<0.001	0.08	15.30	2.9	7.9	3.8	34.1	0.01	0.41	4.5
YY15654		0.48	21.1	1350	48.7	10.0	0.001	0.05	6.53	1.7	4.9	1.8	44.3	<0.01	0.09	1.5
YY15655		0.59	8.7	460	39.2	8.6	<0.001	0.02	7.94	1.4	6.3	1.8	15.0	<0.01	0.21	1.9
YY15656		0.67	35.1	660	78.7	15.3	0.001	0.05	9.68	7.4	5.4	1.8	46.3	<0.01	0.12	6.5
YY15657		1.11	15.3	730	81.0	9.4	0.001	0.02	8.08	2.7	3.5	2.7	36.9	<0.01	0.07	3.1
YY15658		0.98	18.8	530	170.0	11.2	<0.001	0.05	10.20	2.7	6.1	3.8	29.8	<0.01	0.16	3.6
YY15659		0.74	15.0	770	626	10.9	0.002	0.07	33.2	3.7	4.5	43.2	55.0	<0.01	0.32	5.5
YY15660		1.01	16.5	480	58.2	13.0	<0.001	0.02	9.85	3.1	2.7	3.4	10.8	<0.01	0.09	3.0
YY15661		1.20	21.9	390	17.2	10.3	0.001	0.01	3.13	4.6	1.0	0.7	10.9	<0.01	0.06	3.8

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15621		0.024	0.20	0.59	34	0.43	9.27	148	1.2
YY15622		0.021	2.17	1.57	37	1.03	33.9	639	2.2
YY15623		0.159	1.46	0.25	87	0.16	3.29	78	<0.5
YY15624		0.066	0.39	0.50	75	0.18	5.27	77	1.0
YY15625		0.121	0.20	0.66	114	0.17	10.60	76	0.8
YY15626		0.072	0.68	0.55	82	0.23	4.10	74	<0.5
YY15627		0.078	0.57	0.63	52	0.21	7.97	75	<0.5
YY15628		0.087	0.69	0.63	50	0.22	6.57	56	<0.5
YY15629		0.118	0.67	0.63	65	0.18	7.22	103	<0.5
YY15630		0.129	0.66	0.58	75	0.13	5.36	68	<0.5
YY15631		0.071	0.16	0.43	46	0.07	4.75	51	<0.5
YY15632		0.093	0.16	0.47	53	0.05	5.17	60	<0.5
YY15633		0.068	0.29	0.95	80	0.13	11.85	87	0.6
YY15634		0.076	0.55	0.84	72	0.11	12.05	102	0.5
YY15635		0.082	0.43	0.94	67	0.13	10.70	79	<0.5
YY15636		0.074	0.31	0.61	65	0.16	4.85	65	<0.5
YY15637		0.046	0.24	2.13	57	0.16	12.95	123	0.6
YY15638		0.039	0.23	0.93	50	0.24	8.40	108	0.8
YY15639		0.063	0.12	1.27	54	0.10	8.24	69	0.7
YY15640		0.235	0.22	0.28	101	0.08	8.99	91	0.6
YY15641		0.061	0.20	1.24	68	0.14	16.10	90	0.6
YY15643		0.207	0.21	0.32	108	0.10	7.60	156	0.5
YY15644		0.039	0.29	1.02	55	0.24	6.09	111	1.1
YY15645		0.168	0.35	0.80	75	0.20	7.38	135	<0.5
YY15646		0.060	0.23	3.55	46	0.16	8.87	291	<0.5
YY15647		0.259	0.13	0.28	75	0.17	2.86	61	1.4
YY15648		0.042	0.43	0.93	100	0.30	3.93	192	2.4
YY15649		0.030	0.35	0.89	77	0.24	4.00	132	0.6
YY15650		0.043	0.33	0.62	74	0.36	2.48	83	1.2
YY15651		0.031	0.60	3.83	54	0.21	9.50	551	5.5
YY15652		0.046	0.60	1.17	78	0.34	3.12	103	1.4
YY15653		0.036	0.37	1.94	55	0.78	4.10	58	2.0
YY15654		0.019	0.51	1.34	65	0.36	4.31	90	0.5
YY15655		0.016	0.32	0.68	49	0.44	2.29	39	0.9
YY15656		0.023	0.49	3.01	79	0.57	7.82	101	3.7
YY15657		0.037	0.25	2.50	67	0.62	3.97	57	0.5
YY15658		0.033	0.50	3.44	80	0.72	3.79	58	1.1
YY15659		0.031	0.44	4.95	64	1.00	6.70	51	1.4
YY15660		0.038	0.27	1.34	57	0.56	4.05	69	1.5
YY15661		0.052	0.16	1.56	60	0.33	6.57	80	1.4

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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY15662		0.40	0.009	0.38	1.34	23.7	<0.02	<10	190	0.30	0.38	0.06	0.22	33.3	6.1	27
YY15663		0.43	0.003	0.57	1.64	26.7	<0.02	<10	330	0.43	0.27	0.11	0.25	30.8	8.2	29
YY15664		0.38	<0.001	0.36	2.93	16.8	<0.02	<10	320	1.38	0.21	0.66	1.34	42.9	12.6	41
YY15665		0.41	0.002	0.30	2.69	19.7	<0.02	<10	290	1.30	0.28	0.38	0.66	37.3	18.7	39
YY15666		0.41	0.001	0.34	2.41	16.7	<0.02	<10	250	0.88	0.26	0.81	0.47	35.6	12.9	37
YY15667		0.31	<0.001	0.25	2.39	14.6	<0.02	<10	400	1.00	0.25	2.03	0.65	27.3	11.3	34
YY15668		0.42	<0.001	0.22	2.35	20.0	<0.02	<10	480	1.00	0.27	0.64	0.94	28.7	13.3	36
YY15669		0.34	<0.001	0.35	1.92	15.2	<0.02	<10	650	0.83	0.26	1.59	1.37	23.8	12.4	32
YY15670		0.53	<0.001	0.35	2.04	22.0	<0.02	<10	390	0.96	0.25	1.56	1.38	27.9	12.3	32
YY15671		0.36	<0.001	0.32	2.56	19.2	0.03	<10	360	0.96	0.25	0.71	0.67	22.7	11.6	36
YY15672		0.51	0.002	0.54	1.59	20.5	<0.02	<10	280	0.64	0.29	0.37	0.82	31.4	9.1	27
YY15673		0.31	<0.001	0.50	1.55	15.8	<0.02	<10	390	0.53	0.29	0.72	0.44	23.3	7.8	26
YY15674		0.38	0.006	0.45	1.39	22.3	<0.02	<10	370	0.67	0.29	0.31	0.82	35.0	11.4	25
YY15675		0.41	0.001	0.29	2.04	23.2	<0.02	<10	330	0.68	0.49	0.37	0.52	31.5	9.6	29
YY15676		0.54	0.004	0.53	1.62	27.8	<0.02	<10	190	0.48	0.47	0.11	0.82	30.8	9.1	25
YY15677		0.48	<0.001	0.62	1.09	18.4	<0.02	<10	320	0.36	0.83	0.20	0.26	26.6	4.0	18
YY15678		0.46	0.004	0.34	1.21	25.1	<0.02	<10	330	0.34	0.68	0.21	0.34	29.0	4.4	29
YY15679		0.43	0.006	1.00	0.92	26.1	<0.02	<10	460	0.40	0.65	0.19	0.38	32.8	5.0	19
YY15680		0.53	0.003	0.45	1.03	25.3	<0.02	<10	350	0.25	0.67	0.05	0.31	34.2	2.9	20
YY15681		0.34	<0.001	0.27	1.50	11.8	<0.02	<10	150	0.38	0.25	0.11	0.18	27.4	4.6	24
YY15682		0.45	<0.001	1.21	2.41	14.7	<0.02	<10	570	0.77	0.34	0.11	0.17	42.6	8.6	38
YY15683		0.45	0.005	9.04	2.60	21.7	<0.02	<10	240	0.47	0.34	0.09	0.30	39.7	7.4	36
YY15684		0.39	0.020	0.67	1.24	50.7	0.02	<10	260	0.26	1.21	0.07	0.46	59.7	4.0	37
YY15685		0.44	<0.001	2.19	2.45	14.5	<0.02	<10	80	0.37	0.25	0.07	0.22	25.8	7.0	35
YY15686		0.45	0.001	0.32	1.64	28.1	<0.02	<10	200	0.38	0.29	0.14	2.84	33.7	7.9	35
YY15687		0.43	0.004	0.90	3.29	46.7	<0.02	<10	220	1.27	0.35	0.19	8.50	26.7	3.3	72
YY15688		0.61	0.008	0.35	1.40	15.8	<0.02	<10	110	0.26	0.44	0.04	0.20	28.4	4.2	21
YY15689		0.33	0.008	3.48	1.48	23.9	<0.02	<10	110	0.21	0.53	0.05	0.17	26.0	5.2	28
YY15690		0.34	<0.001	0.40	0.61	13.8	<0.02	<10	70	0.06	0.67	0.03	0.05	29.9	1.0	12
YY15691		0.43	<0.001	0.68	1.86	26.4	<0.02	<10	510	0.87	0.28	0.89	1.74	35.4	10.8	32
YY15692		0.56	0.001	0.57	1.66	24.1	<0.02	<10	300	0.73	0.25	3.37	2.05	34.6	10.9	24
YY15693		0.46	0.001	0.63	2.52	27.3	<0.02	<10	500	1.13	0.28	0.27	1.22	43.1	15.4	35
YY15694		0.44	<0.001	0.42	2.36	22.5	<0.02	<10	420	1.08	0.26	0.17	0.80	47.0	14.7	34
YY15695		0.61	<0.001	0.62	1.73	22.0	<0.02	<10	620	0.76	0.23	0.34	2.14	33.3	11.0	27
YY15696		0.44	0.019	0.23	1.80	19.7	<0.02	<10	280	0.77	0.22	0.32	0.76	31.5	12.6	28
YY15697		0.38	<0.001	0.09	2.13	14.9	<0.02	<10	210	0.64	0.24	0.19	0.48	30.9	10.5	31
YY15698		0.48	<0.001	0.38	4.31	27.6	<0.02	<10	410	1.47	0.31	0.96	1.56	21.7	22.6	59
YY15699		0.37	<0.001	0.27	4.36	22.8	<0.02	<10	280	1.54	0.28	0.81	0.92	25.9	14.6	60
YY15700		0.37	<0.001	0.03	2.70	23.8	<0.02	<10	160	0.82	0.28	0.19	0.56	29.0	16.4	43
YY15701		0.33	<0.001	0.06	3.05	20.9	<0.02	<10	300	1.13	0.29	0.14	0.66	38.4	18.9	41

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15662		1.45	11.1	3.07	5.35	<0.05	0.02	0.07	0.026	0.06	17.1	12.8	0.32	283	5.14	<0.01
YY15663		1.12	14.5	3.24	5.07	0.05	0.02	0.05	0.037	0.08	15.4	15.7	0.41	399	3.32	<0.01
YY15664		2.25	19.4	3.36	4.61	0.07	0.09	0.05	0.033	0.08	21.5	25.6	0.56	415	1.63	0.03
YY15665		2.80	37.2	4.09	6.62	0.06	0.08	0.07	0.031	0.16	19.5	34.9	0.93	796	2.60	0.03
YY15666		2.32	20.2	3.43	6.14	0.07	0.04	0.06	0.033	0.10	18.4	24.8	0.64	617	2.31	0.01
YY15667		2.43	18.5	3.35	6.03	0.05	0.07	0.08	0.032	0.10	15.2	25.8	0.88	737	1.60	0.02
YY15668		2.29	25.4	3.52	6.09	0.05	0.07	0.06	0.032	0.09	16.7	26.0	0.76	645	2.67	0.03
YY15669		1.63	25.8	2.87	5.02	0.05	0.06	0.10	0.026	0.07	15.9	19.9	0.60	712	1.55	0.02
YY15670		1.95	33.4	3.34	5.18	0.06	0.09	0.07	0.028	0.10	18.1	24.6	1.01	528	2.94	0.03
YY15671		3.63	21.5	3.32	6.80	0.05	0.06	0.05	0.036	0.09	13.2	31.9	0.81	616	3.79	0.02
YY15672		1.74	26.8	2.81	4.21	0.06	0.05	0.07	0.033	0.08	17.3	19.8	0.55	410	4.93	0.01
YY15673		1.53	16.8	2.60	4.60	<0.05	0.02	0.07	0.030	0.07	12.3	16.2	0.50	397	3.35	0.01
YY15674		1.18	27.8	2.87	3.69	0.06	0.04	0.13	0.030	0.12	18.7	19.3	0.53	660	4.34	0.01
YY15675		1.50	21.0	3.20	5.25	0.05	0.02	0.06	0.043	0.10	14.4	17.7	0.40	377	4.01	0.01
YY15676		1.13	19.2	2.79	4.00	0.05	0.04	0.07	0.054	0.06	15.1	13.0	0.33	462	4.76	<0.01
YY15677		1.20	22.0	1.82	3.96	<0.05	<0.02	0.09	0.051	0.08	14.4	10.3	0.27	185	4.10	<0.01
YY15678		1.56	47.3	1.99	4.62	0.05	<0.02	0.07	0.211	0.08	14.8	9.4	0.23	224	2.67	<0.01
YY15679		0.78	23.3	2.06	2.96	0.06	<0.02	0.15	0.042	0.11	18.0	8.8	0.27	305	5.50	<0.01
YY15680		1.42	47.7	2.38	5.09	0.05	<0.02	0.08	0.076	0.09	18.3	5.4	0.15	117	6.46	<0.01
YY15681		1.57	8.1	2.21	5.74	<0.05	<0.02	0.05	0.030	0.04	14.0	10.6	0.28	152	2.26	<0.01
YY15682		1.83	12.9	3.11	7.25	0.06	0.04	0.07	0.042	0.07	20.8	14.9	0.48	417	3.02	<0.01
YY15683		1.45	19.1	2.92	6.55	0.06	0.11	0.62	0.169	0.05	22.6	18.4	0.36	334	8.03	<0.01
YY15684		3.17	22.6	3.13	6.38	0.08	<0.02	0.18	0.099	0.06	32.8	8.2	0.25	158	17.70	<0.01
YY15685		1.48	16.4	4.00	5.91	<0.05	0.10	0.19	0.037	0.05	13.0	18.7	0.40	315	2.76	<0.01
YY15686		1.95	32.6	2.89	5.49	0.05	0.03	0.13	0.072	0.08	17.9	15.3	0.42	387	10.75	<0.01
YY15687		9.73	124.5	5.39	11.05	0.31	0.11	0.11	0.119	0.72	14.7	47.8	1.63	758	20.8	0.17
YY15688		1.15	11.9	2.41	5.74	<0.05	0.03	0.12	0.034	0.05	14.9	9.9	0.19	175	9.19	<0.01
YY15689		1.41	11.8	4.17	7.57	<0.05	<0.02	0.09	0.048	0.05	13.1	12.5	0.28	216	3.12	<0.01
YY15690		1.34	4.0	0.84	6.52	<0.05	<0.02	0.04	0.012	0.03	16.2	1.6	0.05	39	2.11	<0.01
YY15691		1.70	34.7	3.64	4.73	0.06	0.05	0.18	0.040	0.20	19.9	22.3	0.95	601	7.84	0.02
YY15692		1.60	29.3	3.36	4.18	0.06	0.02	0.12	0.033	0.17	18.7	21.9	1.27	639	7.43	0.02
YY15693		1.87	36.1	3.96	4.90	0.07	0.09	0.17	0.045	0.16	19.5	26.9	0.56	589	6.27	0.01
YY15694		1.78	31.8	3.76	4.86	0.06	0.11	0.12	0.041	0.16	22.8	24.2	0.54	660	4.22	0.01
YY15695		1.54	32.8	3.38	4.22	0.06	0.07	0.11	0.034	0.13	18.6	24.1	0.55	579	6.25	0.01
YY15696		1.69	28.4	3.30	4.41	0.06	0.03	0.05	0.023	0.12	17.2	25.5	0.63	509	3.09	0.01
YY15697		2.03	13.6	3.42	5.43	0.05	0.02	0.04	0.035	0.06	14.4	20.6	0.42	452	2.22	0.01
YY15698		5.66	45.6	5.13	11.15	0.07	0.09	0.04	0.036	0.24	12.3	46.7	1.61	726	6.42	0.11
YY15699		6.80	25.1	4.37	11.25	0.06	0.06	0.04	0.040	0.15	13.9	45.3	1.56	1180	8.33	0.07
YY15700		3.75	21.5	4.52	7.62	0.06	0.05	0.01	0.034	0.17	15.2	40.7	0.98	672	4.82	0.01
YY15701		2.71	26.4	4.10	6.62	0.06	0.07	0.05	0.031	0.14	18.9	36.7	0.92	599	3.72	0.02

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY15662		0.89	15.8	440	45.5	10.5	<0.001	0.02	5.76	2.0	3.7	1.9	9.2	<0.01	0.11	1.7
YY15663		0.81	21.2	1050	31.6	11.3	<0.001	0.04	3.73	2.9	3.1	0.9	13.7	<0.01	0.08	3.8
YY15664		0.77	50.0	1320	22.5	15.8	<0.001	0.03	1.05	5.0	0.7	0.4	24.0	<0.01	0.05	5.3
YY15665		0.47	52.6	850	28.7	19.0	<0.001	0.05	1.29	5.2	0.4	0.5	37.3	<0.01	0.04	7.9
YY15666		0.60	35.5	1050	20.8	20.1	<0.001	0.03	0.93	4.4	0.4	0.5	20.6	<0.01	0.04	2.5
YY15667		0.57	33.3	1070	22.0	16.9	<0.001	0.06	0.82	3.5	0.8	0.5	24.6	<0.01	0.03	2.4
YY15668		0.55	43.8	820	26.4	15.6	<0.001	0.03	1.14	4.4	0.6	0.5	28.0	<0.01	0.04	3.8
YY15669		0.50	31.3	1320	23.3	14.0	<0.001	0.06	1.11	2.6	1.1	0.5	28.4	<0.01	0.04	1.3
YY15670		0.47	46.1	1160	30.1	14.7	<0.001	0.04	1.56	3.9	1.1	0.5	34.6	<0.01	0.06	3.5
YY15671		0.46	41.1	1420	22.4	17.8	<0.001	0.06	1.12	3.3	0.7	0.5	29.3	<0.01	0.05	2.1
YY15672		0.51	37.9	1070	23.2	13.3	<0.001	0.02	2.03	3.6	1.1	0.5	26.2	<0.01	0.04	3.8
YY15673		0.44	23.6	1190	22.2	12.5	0.001	0.04	1.43	2.1	1.6	0.5	24.4	<0.01	0.05	0.9
YY15674		0.27	34.0	1030	32.6	10.3	<0.001	0.03	2.60	3.4	1.5	0.5	22.1	<0.01	0.05	5.0
YY15675		0.53	31.0	740	42.2	12.9	<0.001	0.03	2.43	2.1	2.0	1.0	19.9	<0.01	0.08	1.2
YY15676		0.62	22.6	960	47.1	8.0	<0.001	0.05	4.11	2.0	4.0	1.3	21.6	<0.01	0.08	1.5
YY15677		0.18	14.8	850	36.3	9.4	<0.001	0.02	3.53	1.0	2.4	1.3	14.9	<0.01	0.07	0.5
YY15678		0.23	12.7	1830	35.0	11.8	0.001	0.03	2.37	0.6	3.0	1.4	22.3	<0.01	0.07	0.2
YY15679		0.22	19.0	830	43.3	8.8	<0.001	0.03	4.85	1.7	3.0	1.5	19.3	<0.01	0.09	1.1
YY15680		0.19	12.2	950	67.9	11.5	<0.001	0.03	4.18	0.5	3.8	2.1	19.0	<0.01	0.09	<0.2
YY15681		0.72	11.9	610	15.3	7.9	<0.001	0.01	1.48	1.4	1.8	0.7	12.3	<0.01	0.04	0.7
YY15682		1.11	18.8	640	23.9	11.6	0.001	<0.01	1.69	7.1	1.0	1.1	12.9	<0.01	0.03	5.1
YY15683		1.21	16.9	840	104.0	9.7	0.001	0.03	6.72	3.1	4.0	2.6	38.3	0.01	0.06	6.7
YY15684		0.37	12.8	1070	43.2	9.5	0.002	0.05	10.80	0.9	4.0	3.3	32.3	<0.01	0.11	0.3
YY15685		1.72	18.3	400	18.0	8.0	0.001	0.02	1.30	3.0	1.6	0.6	8.6	0.01	0.06	4.8
YY15686		0.63	21.8	1360	38.1	16.0	0.002	0.05	5.14	2.5	2.6	2.0	38.3	<0.01	0.06	1.3
YY15687		0.91	30.3	1940	25.3	63.8	0.003	1.11	4.22	8.3	3.7	1.1	196.0	<0.01	0.07	8.3
YY15688		1.02	11.4	340	30.9	7.2	0.001	0.01	2.62	1.9	2.1	2.3	11.2	<0.01	0.06	3.2
YY15689		1.54	14.8	750	28.8	7.9	<0.001	0.02	3.45	1.9	3.8	1.0	11.2	<0.01	0.11	1.8
YY15690		0.37	3.2	240	16.9	6.1	0.001	0.01	1.62	0.4	0.9	2.0	11.3	<0.01	0.04	0.2
YY15691		0.27	44.1	850	33.3	14.5	0.001	0.06	3.99	4.1	2.7	0.4	35.1	<0.01	0.08	5.5
YY15692		0.19	36.9	1260	30.9	12.2	0.001	0.04	3.16	3.1	2.0	0.4	64.7	<0.01	0.05	4.7
YY15693		0.37	48.8	950	42.3	16.9	0.001	0.04	2.90	3.9	2.4	0.5	28.0	<0.01	0.08	4.8
YY15694		0.51	44.8	830	31.6	16.0	0.001	0.02	2.37	4.5	1.9	0.5	18.8	<0.01	0.04	4.4
YY15695		0.21	44.7	1260	29.5	12.4	<0.001	0.01	2.92	2.8	1.2	0.4	26.9	<0.01	0.05	2.9
YY15696		0.19	39.9	1070	20.8	12.6	0.001	0.03	1.28	2.6	1.1	0.3	26.1	<0.01	0.03	3.2
YY15697		0.71	25.1	1170	18.6	12.3	0.001	0.02	0.93	1.8	1.3	0.5	14.5	<0.01	0.05	1.0
YY15698		0.44	71.5	1240	21.0	25.9	<0.001	0.03	1.37	10.1	1.6	1.0	51.5	<0.01	0.06	5.2
YY15699		0.68	51.3	1730	32.2	29.2	0.001	0.09	0.89	6.3	1.1	0.7	47.6	<0.01	0.03	3.3
YY15700		0.49	46.3	1670	27.3	28.9	<0.001	0.04	1.31	3.6	0.9	0.5	28.2	<0.01	0.04	3.1
YY15701		0.52	52.2	940	24.0	21.9	<0.001	0.04	1.05	4.9	1.0	0.5	23.5	<0.01	0.04	7.0

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Finalized Date: 8- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15662		0.033	0.34	0.80	56	0.32	2.94	73	0.6
YY15663		0.027	0.26	1.10	56	0.30	4.10	93	0.7
YY15664		0.021	0.23	1.35	38	0.14	19.20	187	2.7
YY15665		0.029	0.35	1.37	47	0.18	12.95	153	4.2
YY15666		0.027	0.28	1.52	54	0.22	15.65	114	1.3
YY15667		0.021	0.29	1.05	47	0.15	12.45	110	2.2
YY15668		0.028	0.32	1.27	52	0.19	12.80	136	2.2
YY15669		0.022	0.21	1.58	45	0.20	15.20	145	1.8
YY15670		0.025	0.30	1.25	43	0.21	17.85	181	3.0
YY15671		0.027	0.41	2.02	52	0.30	10.00	302	1.9
YY15672		0.029	0.34	1.59	43	0.25	11.20	142	2.1
YY15673		0.019	0.28	1.57	48	0.21	6.92	107	0.7
YY15674		0.019	0.30	1.02	39	0.20	10.75	133	2.7
YY15675		0.020	0.36	0.89	58	0.30	4.69	107	0.6
YY15676		0.026	0.34	1.14	47	0.28	4.98	106	1.1
YY15677		0.010	0.33	1.10	44	0.19	4.14	73	<0.5
YY15678		0.011	0.56	2.21	55	0.27	4.55	166	<0.5
YY15679		0.013	0.32	0.99	52	0.25	6.68	91	<0.5
YY15680		0.013	0.44	1.74	62	0.25	2.75	61	<0.5
YY15681		0.026	0.28	1.31	52	0.28	3.64	42	<0.5
YY15682		0.045	0.26	1.43	76	0.35	12.70	69	1.9
YY15683		0.028	0.27	4.29	57	0.48	3.78	67	3.8
YY15684		0.018	0.93	3.07	68	1.63	5.14	47	<0.5
YY15685		0.041	0.23	0.74	61	0.34	2.98	71	3.6
YY15686		0.034	0.73	2.75	74	0.35	5.54	92	0.8
YY15687		0.159	3.14	9.00	152	0.33	8.90	128	7.0
YY15688		0.030	0.29	0.72	61	0.37	2.40	48	1.2
YY15689		0.049	0.20	0.59	81	0.35	2.20	61	0.5
YY15690		0.026	0.31	0.48	42	0.22	1.75	16	<0.5
YY15691		0.012	0.43	1.10	52	0.19	12.75	142	2.9
YY15692		0.011	0.36	1.17	42	0.12	10.40	146	1.3
YY15693		0.009	0.43	1.37	50	0.17	12.55	138	3.0
YY15694		0.013	0.34	1.33	52	0.16	15.60	125	3.6
YY15695		0.009	0.32	0.99	43	0.14	12.85	171	2.1
YY15696		0.011	0.26	1.05	34	0.09	9.87	133	1.0
YY15697		0.024	0.22	1.12	54	0.36	6.47	106	0.6
YY15698		0.084	0.71	3.17	102	0.12	13.45	287	4.2
YY15699		0.064	0.48	4.19	83	0.16	11.55	359	1.9
YY15700		0.038	0.39	1.03	56	0.13	5.47	150	1.7
YY15701		0.033	0.35	1.94	51	0.14	10.20	129	3.1

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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY15702		0.30	<0.001	0.05	2.86	20.9	<0.02	<10	290	1.22	0.28	0.14	0.61	39.5	17.4	38
YY15703		0.34	<0.001	0.11	2.83	16.0	<0.02	<10	220	0.94	0.25	0.20	0.30	30.3	12.0	38
YY15704		0.44	<0.001	0.04	1.30	11.2	<0.02	<10	70	0.19	0.31	0.06	0.17	23.9	4.4	24
YY15705		0.38	0.001	0.09	1.94	8.8	<0.02	<10	120	0.26	0.18	0.15	0.13	16.40	12.0	25
YY15706		0.38	<0.001	0.23	1.55	10.6	<0.02	<10	90	0.18	0.16	0.16	0.17	12.30	11.0	41
YY15707		0.43	<0.001	0.23	2.31	14.3	<0.02	<10	200	1.89	0.36	0.37	12.95	38.4	28.9	36
YY15708		0.35	<0.001	0.50	2.41	18.3	<0.02	<10	170	0.82	0.34	0.18	3.20	27.5	16.8	59
YY15709		0.36	<0.001	0.33	2.05	16.5	<0.02	<10	420	0.42	0.37	0.67	5.12	19.40	17.9	80
YY15710		0.46	0.006	0.47	1.46	47.7	<0.02	<10	540	0.50	1.85	0.06	2.78	32.1	6.8	38
YY15711		0.40	0.007	1.04	0.86	65.6	<0.02	<10	260	0.25	1.19	0.02	0.43	31.9	2.9	31
YY15712		0.48	<0.001	0.39	1.69	27.3	<0.02	<10	430	0.64	0.66	0.12	1.06	33.1	11.0	38
YY15713		0.45	<0.001	0.41	1.47	31.9	<0.02	<10	350	0.42	0.68	0.16	1.41	26.6	10.6	46
YY15714		0.45	0.004	0.59	1.74	41.2	<0.02	<10	610	0.58	1.05	0.22	1.19	27.6	10.6	48
YY15715		0.34	0.006	0.95	1.12	49.9	<0.02	<10	730	0.46	0.76	0.33	0.93	28.8	4.4	32
YY15716		0.54	0.004	1.25	1.26	37.4	<0.02	<10	790	0.51	0.76	0.47	2.24	27.1	8.9	35
YY15717		0.43	0.004	0.82	1.47	39.2	<0.02	<10	490	0.56	0.76	0.13	1.10	30.4	4.6	27
YY15718		0.39	0.008	1.61	2.68	85.6	<0.02	<10	1710	1.36	2.20	0.16	4.00	34.3	14.8	31
YY15719		0.38	0.003	1.47	1.67	36.4	<0.02	<10	1800	0.75	1.02	0.62	1.94	27.8	9.4	30
YY15720		0.42	0.010	1.73	1.84	68.2	<0.02	<10	1380	0.84	1.75	0.63	1.03	26.7	6.8	30
YY15721		0.41	<0.001	0.27	0.77	16.6	<0.02	<10	170	0.13	1.04	0.03	0.15	27.0	1.7	12

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY15702		2.66	25.2	3.93	6.72	0.06	0.09	0.04	0.030	0.13	18.6	35.6	0.93	735	3.99	0.02
YY15703		2.53	21.8	3.23	7.05	0.05	0.03	0.05	0.032	0.09	14.6	26.8	0.71	457	3.38	0.01
YY15704		4.19	8.2	2.72	7.74	<0.05	<0.02	0.03	0.021	0.06	12.7	8.1	0.27	227	3.56	0.01
YY15705		5.64	29.8	2.77	6.92	<0.05	<0.02	0.03	0.021	0.04	8.4	20.4	0.87	181	1.89	0.01
YY15706		5.62	19.5	2.44	5.99	<0.05	<0.02	0.02	0.019	0.03	6.0	20.9	0.82	151	1.44	0.01
YY15707		5.89	128.5	3.15	5.05	0.07	<0.02	0.05	0.047	0.07	19.0	25.1	0.72	658	14.80	0.01
YY15708		7.36	311	4.67	6.53	0.08	0.02	0.07	0.130	0.09	14.3	24.8	0.89	285	43.3	0.01
YY15709		6.08	54.7	3.27	6.42	0.05	0.02	0.06	0.032	0.08	10.2	21.8	1.32	408	6.14	0.02
YY15710		3.43	60.2	3.21	5.12	0.05	0.02	0.19	0.093	0.16	17.9	12.6	0.42	480	16.80	0.01
YY15711		2.44	21.9	4.42	5.25	0.07	0.05	0.14	0.061	0.15	18.7	5.5	0.20	152	47.9	0.01
YY15712		2.22	75.8	3.19	4.82	<0.05	0.02	0.12	0.053	0.09	15.3	12.4	0.47	501	9.58	0.01
YY15713		2.89	33.0	3.10	5.24	<0.05	<0.02	0.08	0.057	0.11	14.2	13.5	0.54	633	13.15	0.01
YY15714		3.09	53.2	3.37	4.88	0.07	0.04	0.17	0.072	0.09	14.3	14.6	0.62	469	9.93	0.01
YY15715		2.11	43.6	2.50	3.94	0.06	0.06	0.25	0.095	0.12	16.7	9.3	0.32	218	16.75	<0.01
YY15716		1.62	51.7	2.67	4.06	0.06	0.09	0.28	0.072	0.08	16.3	11.1	0.43	972	15.40	<0.01
YY15717		2.04	76.6	2.49	4.78	0.05	0.02	0.24	0.086	0.09	17.5	11.0	0.30	164	15.05	<0.01
YY15718		6.79	134.0	4.68	4.62	0.08	0.04	0.38	0.302	0.15	19.5	14.1	0.33	893	17.10	<0.01
YY15719		1.51	52.8	2.86	4.09	0.05	0.08	0.22	0.083	0.09	15.5	14.3	0.47	907	7.48	<0.01
YY15720		2.78	91.5	3.06	4.06	0.07	0.08	0.40	0.110	0.11	16.1	16.1	0.39	256	15.10	<0.01
YY15721		1.27	10.0	1.35	5.61	<0.05	<0.02	0.06	0.023	0.04	13.9	3.4	0.08	83	3.82	<0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY15702		0.54	47.0	940	23.0	19.8	<0.001	0.05	1.05	4.6	1.3	0.5	27.9	<0.01	0.03	5.7
YY15703		0.54	32.4	1180	18.3	16.4	<0.001	0.03	0.72	2.5	1.0	0.5	19.8	<0.01	0.04	1.2
YY15704		0.50	11.8	560	14.3	15.6	<0.001	0.03	0.63	0.8	0.6	0.7	13.6	<0.01	0.04	0.2
YY15705		1.05	28.7	490	9.4	10.3	<0.001	0.02	0.54	1.4	1.4	0.5	11.7	<0.01	0.02	0.2
YY15706		1.42	24.2	330	8.7	7.4	<0.001	0.01	0.46	1.5	1.1	0.4	11.8	<0.01	0.02	0.6
YY15707		0.93	348	870	28.4	12.6	0.005	0.03	3.03	2.6	3.2	0.5	19.6	0.01	0.04	1.0
YY15708		1.14	232	1120	14.3	14.2	0.005	0.04	8.40	3.8	5.6	0.7	15.9	<0.01	0.05	2.0
YY15709		0.98	98.5	1000	19.1	12.1	0.002	0.03	2.64	3.0	1.8	0.9	46.7	<0.01	0.04	1.1
YY15710		1.07	35.9	700	46.6	22.4	0.001	0.14	8.44	2.5	6.6	6.4	47.3	<0.01	0.17	2.1
YY15711		1.30	12.9	1010	80.6	18.3	0.001	0.17	13.75	1.7	12.5	3.6	29.8	<0.01	0.21	3.7
YY15712		0.85	44.3	760	32.4	14.6	0.001	0.05	4.47	3.3	2.5	1.7	25.2	<0.01	0.08	1.7
YY15713		0.73	30.6	800	46.2	16.6	0.001	0.05	5.12	2.2	2.9	2.8	27.2	<0.01	0.10	1.1
YY15714		0.92	52.6	960	37.4	15.0	0.001	0.08	5.04	3.3	2.9	2.7	37.1	<0.01	0.12	2.0
YY15715		0.56	22.4	1210	63.5	13.0	0.002	0.08	6.60	3.4	5.8	4.9	47.2	<0.01	0.12	2.2
YY15716		0.62	30.9	1090	43.5	12.1	0.003	0.05	5.85	3.6	3.4	4.2	35.9	<0.01	0.11	1.9
YY15717		0.50	23.2	930	54.6	13.8	0.001	0.04	5.27	2.0	3.2	5.8	36.3	<0.01	0.12	0.7
YY15718		0.52	145.0	1740	136.5	19.1	0.003	0.12	8.08	4.6	6.7	9.7	59.9	<0.01	0.16	1.5
YY15719		0.41	40.3	1480	162.0	13.7	0.001	0.06	5.03	2.8	2.8	4.2	31.0	<0.01	0.09	1.4
YY15720		0.56	46.9	1370	132.0	14.0	0.001	0.07	6.79	3.5	7.2	5.6	40.4	<0.01	0.12	2.4
YY15721		0.83	7.6	250	51.9	6.5	<0.001	<0.01	1.31	1.1	0.8	2.0	10.1	<0.01	0.05	2.0

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

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217193

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY15702		0.037	0.36	2.16	52	0.16	10.60	135	2.9
YY15703		0.033	0.35	1.57	54	0.19	6.79	96	0.9
YY15704		0.034	0.27	0.68	63	0.22	2.32	44	<0.5
YY15705		0.059	0.24	0.39	51	0.14	3.25	61	<0.5
YY15706		0.061	0.27	0.34	45	0.16	2.22	55	<0.5
YY15707		0.053	1.36	4.31	64	0.22	18.85	2990	<0.5
YY15708		0.069	0.93	5.44	84	0.22	11.20	771	0.7
YY15709		0.070	0.74	1.49	75	0.20	8.58	270	1.0
YY15710		0.047	0.89	2.18	80	0.54	5.61	140	0.7
YY15711		0.043	1.08	1.13	99	0.70	2.67	74	3.2
YY15712		0.040	0.49	2.47	63	0.36	8.10	100	0.6
YY15713		0.040	0.61	1.31	69	0.39	4.90	108	0.5
YY15714		0.041	0.61	2.32	75	0.40	8.59	138	1.3
YY15715		0.022	1.07	5.17	113	0.56	6.68	131	2.0
YY15716		0.024	0.64	5.28	78	0.38	11.35	127	2.8
YY15717		0.021	0.81	4.95	71	0.47	6.69	108	<0.5
YY15718		0.018	1.67	11.60	214	0.59	17.30	538	1.2
YY15719		0.016	0.52	3.73	84	0.45	15.90	233	2.1
YY15720		0.018	1.00	12.85	108	1.03	16.00	192	2.7
YY15721		0.035	0.36	0.70	59	0.39	2.41	49	<0.5

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

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VANCOUVER BC V6B 1L8

Project: RAU(BOBCAT ZONE)

Finalized Date: 8- OCT- 2018
Account: RCM

CERTIFICATE OF ANALYSIS WH18217193

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- ICP21 ME- MS41

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CERTIFICATE WH18217195

Project: RAU(BOBCAT ZONE)

This report is for 187 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3- SEP- 2018.

The following have access to data associated with this certificate:

ANDREW CARNE	JULIA LANE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	
ME- MS41	Ultra Trace Aqua Regia ICP- MS	
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method Analyte Units LOD	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- MS41 Ag ppm 0.01	ME- MS41 Al % 0.01	ME- MS41 As ppm 0.1	ME- MS41 Au ppm 0.02	ME- MS41 B ppm 10	ME- MS41 Ba ppm 10	ME- MS41 Be ppm 0.05	ME- MS41 Bi ppm 0.01	ME- MS41 Ca % 0.01	ME- MS41 Cd ppm 0.01	ME- MS41 Ce ppm 0.02	ME- MS41 Co ppm 0.1	ME- MS41 Cr ppm 1
YY13501		0.44	<0.001	0.48	1.22	13.3	<0.02	<10	390	0.58	0.52	1.53	1.41	22.2	9.2	27
YY13502		0.32	0.009	0.45	1.08	8.8	<0.02	<10	360	0.53	0.42	0.90	1.20	20.1	7.1	23
YY13503		0.27	<0.001	0.42	0.82	7.9	<0.02	<10	330	0.34	0.28	1.92	1.15	13.40	5.5	21
YY13504		0.31	<0.001	0.47	0.89	9.5	<0.02	<10	330	0.44	0.33	1.51	1.54	15.95	6.0	22
YY13505		0.19	<0.001	0.47	0.94	10.4	<0.02	<10	300	0.41	0.29	1.24	1.03	17.00	5.7	21
YY13506		0.34	<0.001	0.53	0.99	10.1	<0.02	<10	410	0.42	0.34	1.56	1.58	17.25	6.8	21
YY13507		0.34	0.017	0.50	1.03	9.3	<0.02	<10	380	0.45	0.23	1.71	1.03	14.55	5.7	23
YY13508		0.34	<0.001	0.55	0.94	11.2	<0.02	<10	540	0.41	0.22	2.23	1.89	15.40	6.9	20
YY13509		0.60	<0.001	0.59	0.98	12.4	<0.02	<10	370	0.52	0.26	3.92	1.90	19.00	7.0	27
YY13510		0.24	0.009	0.35	1.00	9.8	<0.02	<10	330	0.43	0.23	1.73	1.18	14.45	5.9	21
YY13511		0.57	<0.001	0.52	1.08	11.3	<0.02	<10	330	0.51	0.28	1.26	1.11	17.65	6.3	23
YY13512		0.35	0.005	0.39	0.88	7.6	<0.02	<10	300	0.39	0.21	1.93	1.01	13.60	5.5	19
YY13513		0.29	<0.001	0.40	0.95	8.0	<0.02	<10	280	0.43	0.24	1.19	1.18	15.40	5.3	21
YY13514		0.33	<0.001	0.51	1.16	12.5	<0.02	<10	370	0.52	0.44	1.49	1.16	19.95	7.8	25
YY13515		0.36	<0.001	0.46	0.98	9.2	<0.02	<10	410	0.46	0.38	1.77	1.56	15.85	6.6	22
YY13516		0.63	<0.001	0.47	1.09	12.3	<0.02	<10	370	0.53	0.44	1.46	1.50	20.3	8.9	26
YY13517		0.49	<0.001	0.48	1.22	14.6	<0.02	<10	350	0.59	0.53	0.84	1.47	23.7	8.7	26
YY13518		0.31	0.001	0.48	1.41	47.1	<0.02	<10	380	0.56	0.48	1.11	1.43	22.5	9.2	29
YY13519		0.61	0.001	0.41	1.21	12.9	<0.02	<10	270	0.50	0.30	0.88	1.58	20.1	6.8	24
YY13520		0.35	0.001	0.40	1.06	11.3	<0.02	<10	470	0.48	0.41	1.49	1.22	16.15	7.4	22
YY13521		0.33	0.001	0.43	1.15	9.9	<0.02	<10	380	0.50	0.42	1.22	0.88	20.1	8.0	24
YY13522		0.42	0.001	0.47	1.15	15.7	<0.02	<10	460	0.53	0.39	1.54	2.00	20.1	9.8	25
YY13523		0.19	<0.001	0.43	1.07	9.3	<0.02	<10	350	0.44	0.29	1.53	1.35	16.50	7.4	21
YY13524		0.27	<0.001	0.45	1.08	9.1	<0.02	<10	310	0.45	0.27	1.42	0.96	15.35	6.0	24
YY13525		0.34	<0.001	0.48	1.02	9.5	<0.02	<10	320	0.47	0.27	1.26	1.20	16.35	6.1	21
YY13526		0.31	0.002	0.56	1.04	11.2	<0.02	<10	330	0.53	0.27	1.53	1.82	17.30	6.0	23
YY13527		0.47	0.001	0.53	0.95	11.3	<0.02	<10	290	0.44	0.26	0.88	1.68	17.05	6.6	21
YY13528		0.24	0.001	0.67	1.11	10.1	<0.02	<10	240	0.44	0.28	1.06	1.49	17.15	6.4	26
YY13529		0.46	0.002	0.46	1.39	12.6	<0.02	<10	300	0.57	0.26	0.88	2.07	22.3	8.0	27
YY13530		0.34	<0.001	0.46	1.09	22.2	<0.02	<10	420	0.42	0.31	2.11	1.55	17.80	8.3	23
YY13531		0.38	<0.001	0.46	1.24	12.2	<0.02	<10	340	0.58	0.53	1.05	1.02	18.95	7.8	25
YY13532		0.37	<0.001	0.40	1.16	11.8	<0.02	<10	360	0.52	0.53	1.24	0.94	17.20	7.3	25
YY13533		0.56	0.001	0.46	1.14	13.8	<0.02	<10	340	0.66	0.94	0.89	1.59	19.35	7.8	25
YY13534		0.30	0.001	0.41	1.09	9.4	<0.02	<10	350	0.49	0.35	1.22	1.36	17.10	6.9	24
YY13535		0.33	<0.001	0.55	1.10	12.0	<0.02	<10	290	0.67	0.32	1.66	1.70	19.15	7.4	24
YY13536		0.46	<0.001	0.54	0.91	9.8	<0.02	<10	240	0.59	0.42	0.84	1.35	16.10	5.3	22
YY13537		0.26	<0.001	0.72	0.90	10.9	<0.02	<10	210	0.39	0.28	1.01	0.82	14.35	4.6	22
YY13538		0.29	<0.001	0.45	0.93	11.8	<0.02	10	220	0.43	0.31	1.81	1.66	12.40	5.0	22
YY13539		0.31	<0.001	0.34	1.16	10.7	<0.02	<10	280	0.54	0.34	1.07	1.21	16.95	6.8	22
YY13540		0.25	<0.001	0.42	1.01	6.6	<0.02	<10	220	0.47	0.31	1.35	1.58	12.25	4.2	23

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CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13501		1.22	28.6	2.28	3.55	<0.05	0.06	0.06	0.034	0.06	12.4	14.6	0.75	581	2.71	0.01
YY13502		1.06	24.0	1.90	3.25	<0.05	0.05	0.05	0.032	0.06	11.3	13.2	0.39	346	1.96	0.01
YY13503		0.75	17.0	1.54	2.40	<0.05	0.03	0.06	0.026	0.04	8.0	9.0	0.28	584	2.42	0.01
YY13504		0.87	20.5	1.74	2.58	<0.05	0.03	0.06	0.029	0.05	9.8	9.8	0.27	596	3.01	<0.01
YY13505		0.86	18.6	1.82	2.84	<0.05	0.05	0.04	0.030	0.05	10.5	11.4	0.28	263	1.71	0.01
YY13506		0.86	23.8	1.84	2.91	<0.05	0.03	0.06	0.031	0.05	10.5	11.0	0.36	891	2.41	0.01
YY13507		0.99	19.3	1.82	2.98	<0.05	0.04	0.06	0.030	0.05	8.9	11.2	0.28	755	2.30	0.01
YY13508		1.00	21.2	1.86	2.74	<0.05	0.04	0.04	0.035	0.05	9.6	10.8	0.34	2150	3.09	0.01
YY13509		1.10	25.0	2.02	3.03	<0.05	0.05	0.04	0.034	0.07	11.4	11.6	0.45	403	2.60	0.01
YY13510		0.71	16.9	1.82	2.96	<0.05	0.03	0.05	0.032	0.06	8.8	10.7	0.29	559	1.12	0.01
YY13511		0.99	19.8	1.99	3.15	<0.05	0.04	0.06	0.030	0.05	11.0	11.9	0.35	473	1.73	0.01
YY13512		0.76	16.5	1.56	2.53	<0.05	0.03	0.06	0.023	0.05	8.1	9.8	0.46	446	1.57	0.01
YY13513		0.82	15.7	1.67	2.70	<0.05	0.04	0.05	0.028	0.05	9.5	10.5	0.28	440	1.85	0.01
YY13514		1.13	27.9	2.19	3.42	<0.05	0.05	0.06	0.034	0.06	11.8	12.3	0.53	613	2.84	0.01
YY13515		0.98	26.3	1.83	2.87	<0.05	0.04	0.07	0.031	0.05	9.4	10.5	0.40	459	2.14	0.01
YY13516		1.16	29.0	2.36	3.25	<0.05	0.05	0.06	0.033	0.06	11.4	12.5	0.59	441	2.71	0.01
YY13517		1.27	28.1	2.30	3.67	<0.05	0.07	0.06	0.037	0.06	13.2	14.7	0.49	194	1.66	0.01
YY13518		1.53	29.0	2.19	4.12	<0.05	0.06	0.07	0.035	0.08	12.8	16.8	0.60	199	7.36	0.01
YY13519		1.65	16.6	1.98	3.45	<0.05	0.04	0.05	0.028	0.05	11.9	17.6	0.47	140	1.79	0.01
YY13520		1.01	21.8	2.09	3.01	<0.05	0.05	0.07	0.026	0.05	9.3	12.4	0.43	1780	2.78	0.01
YY13521		1.13	19.8	2.09	3.38	<0.05	0.05	0.06	0.033	0.07	11.2	13.7	0.54	700	1.63	0.01
YY13522		1.09	27.3	3.50	3.35	0.05	0.05	0.06	0.116	0.06	11.3	12.1	0.56	1820	4.70	0.01
YY13523		1.06	17.5	2.00	3.13	<0.05	0.04	0.06	0.029	0.05	9.6	11.1	0.33	681	2.28	0.01
YY13524		0.92	17.6	1.89	3.18	<0.05	0.04	0.06	0.030	0.05	9.7	11.6	0.31	267	1.73	0.01
YY13525		0.89	21.0	1.90	2.91	<0.05	0.04	0.05	0.029	0.05	9.7	10.8	0.31	281	1.66	0.01
YY13526		1.02	19.2	1.93	3.16	<0.05	0.04	0.05	0.032	0.06	10.7	11.1	0.30	409	1.53	0.01
YY13527		0.99	20.0	2.11	2.85	<0.05	0.04	0.05	0.034	0.05	10.2	10.9	0.30	818	2.26	0.01
YY13528		1.61	18.4	1.95	3.25	<0.05	0.05	0.05	0.036	0.06	10.2	13.4	0.31	233	3.06	0.01
YY13529		1.91	21.4	1.95	3.83	0.05	0.05	0.05	0.031	0.06	12.9	20.5	0.49	139	3.73	0.02
YY13530		1.55	16.4	2.78	3.13	<0.05	0.04	0.06	0.030	0.06	10.7	13.8	0.88	2000	3.24	0.02
YY13531		1.21	27.6	2.23	3.50	<0.05	0.04	0.07	0.034	0.06	10.6	13.7	0.43	618	1.73	<0.01
YY13532		1.15	21.7	2.16	3.22	<0.05	0.05	0.06	0.030	0.05	9.5	13.8	0.39	567	1.73	<0.01
YY13533		1.35	29.5	2.41	3.23	<0.05	0.06	0.05	0.036	0.05	10.9	16.3	0.41	296	2.23	0.01
YY13534		0.95	21.5	2.01	3.09	<0.05	0.04	0.05	0.030	0.05	9.9	12.7	0.33	546	1.57	<0.01
YY13535		1.12	29.2	2.12	3.03	<0.05	0.05	0.05	0.032	0.06	11.9	13.5	0.75	355	2.18	0.01
YY13536		1.11	24.4	1.82	2.55	<0.05	0.05	0.04	0.033	0.05	9.8	12.2	0.32	200	2.56	0.01
YY13537		1.54	14.0	1.83	2.49	<0.05	0.05	0.05	0.032	0.05	9.0	11.5	0.26	308	3.10	0.01
YY13538		1.82	16.5	1.67	2.56	<0.05	0.03	0.07	0.028	0.04	7.7	13.1	0.31	249	2.08	0.01
YY13539		1.22	16.5	1.97	3.46	<0.05	0.03	0.05	0.028	0.04	9.1	14.5	0.36	365	1.98	<0.01
YY13540		1.92	17.4	1.56	2.93	<0.05	0.03	0.05	0.030	0.04	7.2	14.8	0.33	204	2.43	0.01

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13501		0.72	34.6	870	32.0	9.9	0.008	0.07	1.22	2.8	2.9	0.7	36.6	<0.01	0.08	2.6
YY13502		0.67	27.4	730	34.1	9.7	0.009	0.06	1.14	2.3	2.8	0.7	23.5	<0.01	0.04	2.2
YY13503		0.50	22.4	760	26.8	8.1	0.003	0.09	1.04	1.1	2.7	0.4	34.6	<0.01	0.04	0.6
YY13504		0.52	24.3	770	34.2	8.8	0.003	0.07	1.20	1.3	2.3	0.5	30.7	<0.01	0.04	0.7
YY13505		0.56	24.9	720	37.3	7.6	0.001	0.05	1.21	1.7	1.4	0.5	29.3	<0.01	0.05	1.4
YY13506		0.48	27.2	750	38.0	9.2	0.002	0.06	1.27	1.6	1.6	0.5	30.9	<0.01	0.05	1.1
YY13507		0.48	25.1	690	35.0	8.3	0.009	0.10	1.27	1.6	3.0	0.5	34.5	<0.01	0.04	1.1
YY13508		0.40	26.7	730	39.5	8.9	0.005	0.08	1.51	1.4	2.9	0.4	40.9	<0.01	0.04	1.0
YY13509		0.62	40.6	620	43.8	9.0	0.001	0.02	1.51	2.1	1.0	0.6	62.6	<0.01	0.04	3.0
YY13510		0.51	27.3	530	34.3	9.1	0.001	0.06	1.13	1.5	1.4	0.5	37.3	<0.01	0.04	1.0
YY13511		0.50	27.0	750	35.7	8.5	0.001	0.04	1.16	1.9	1.2	0.5	27.9	<0.01	0.04	1.3
YY13512		0.45	23.0	700	26.1	8.7	0.004	0.06	0.98	1.4	2.1	0.4	32.2	<0.01	0.03	0.9
YY13513		0.49	21.3	640	30.3	9.2	0.004	0.05	1.02	1.5	2.0	0.4	25.6	<0.01	0.03	1.1
YY13514		0.67	32.4	790	33.6	9.9	0.002	0.05	1.44	2.2	1.5	0.7	28.8	<0.01	0.04	1.5
YY13515		0.57	27.6	890	29.2	10.4	0.009	0.10	1.45	1.5	4.6	0.7	31.5	<0.01	0.04	0.8
YY13516		0.67	30.1	820	31.8	10.5	0.005	0.06	1.35	2.4	3.8	0.7	28.4	<0.01	0.04	1.9
YY13517		0.80	31.4	890	35.0	10.9	0.005	0.06	1.30	2.9	4.5	0.8	29.5	<0.01	0.04	3.0
YY13518		0.80	35.1	770	31.8	12.9	0.007	0.13	1.28	3.1	3.6	0.8	32.4	<0.01	0.03	2.8
YY13519		0.57	24.7	910	30.2	10.4	0.008	0.09	0.79	2.3	3.3	0.6	25.7	<0.01	0.03	2.3
YY13520		0.56	25.3	900	23.5	9.1	0.017	0.15	0.84	2.0	7.2	0.6	33.6	<0.01	0.04	1.4
YY13521		0.65	28.2	820	30.7	12.3	0.007	0.06	1.07	2.3	3.1	0.7	27.0	<0.01	0.03	2.0
YY13522		0.54	33.6	830	30.7	10.2	0.005	0.07	1.79	2.2	3.5	1.0	27.7	<0.01	0.04	1.4
YY13523		0.52	22.8	740	27.7	11.4	0.005	0.08	1.13	1.6	4.4	0.5	31.6	<0.01	0.04	0.9
YY13524		0.54	26.5	660	31.2	8.7	0.002	0.07	1.04	1.8	2.0	0.5	28.7	<0.01	0.03	1.2
YY13525		0.50	28.3	730	30.3	8.5	0.002	0.05	1.12	1.7	1.5	0.5	25.8	<0.01	0.03	1.1
YY13526		0.53	43.6	630	35.8	9.5	0.002	0.05	1.14	1.9	1.6	0.6	29.5	<0.01	0.03	1.3
YY13527		0.50	31.3	590	40.8	8.8	0.004	0.04	1.30	1.8	2.9	0.5	23.0	<0.01	0.04	2.0
YY13528		0.56	32.5	710	41.6	16.0	0.010	0.08	0.95	2.0	2.4	0.6	27.8	<0.01	0.03	2.1
YY13529		0.61	29.4	940	30.1	15.8	0.004	0.09	1.17	2.6	2.4	0.6	31.8	<0.01	0.02	2.7
YY13530		0.47	27.2	950	29.6	11.6	0.008	0.07	0.96	2.1	1.9	0.5	36.5	<0.01	0.02	2.1
YY13531		0.57	29.9	950	27.5	11.3	0.004	0.07	1.15	2.2	2.4	0.7	24.7	<0.01	0.06	1.4
YY13532		0.51	30.5	860	28.2	9.0	0.008	0.07	1.21	1.9	3.5	0.8	27.5	<0.01	0.04	1.3
YY13533		0.56	40.1	740	32.0	9.5	0.004	0.05	1.75	2.2	2.6	1.1	21.1	<0.01	0.05	2.1
YY13534		0.57	36.4	650	29.6	9.2	0.001	0.05	1.04	2.0	1.2	0.6	26.4	<0.01	0.03	1.4
YY13535		0.56	45.4	670	33.1	9.2	0.001	0.03	1.20	2.2	0.8	0.6	26.9	<0.01	0.04	2.1
YY13536		0.47	33.3	590	41.8	9.6	0.006	0.04	1.16	1.7	2.0	0.6	20.4	<0.01	0.04	2.3
YY13537		0.42	25.0	670	44.4	17.6	0.011	0.07	0.85	1.6	2.1	0.6	24.5	<0.01	0.02	1.8
YY13538		0.43	24.6	600	33.1	13.8	0.012	0.10	0.87	1.3	2.6	0.5	35.6	<0.01	0.03	0.8
YY13539		0.54	22.9	630	25.9	10.6	0.002	0.05	0.96	1.8	1.3	0.6	25.9	<0.01	0.03	1.0
YY13540		0.41	23.5	640	24.1	12.0	0.015	0.10	0.87	1.4	2.5	0.4	29.3	<0.01	0.03	0.9

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CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13501		0.024	0.20	1.14	38	1.70	10.25	223	2.1
YY13502		0.021	0.18	2.03	35	1.06	9.54	226	1.8
YY13503		0.013	0.14	3.30	25	0.95	7.07	199	1.3
YY13504		0.014	0.16	3.59	27	1.28	8.77	200	1.2
YY13505		0.016	0.16	1.67	30	0.67	8.56	217	1.6
YY13506		0.016	0.17	1.94	31	0.56	9.19	238	1.1
YY13507		0.015	0.18	2.70	32	0.46	7.93	236	1.3
YY13508		0.014	0.18	2.02	29	0.53	9.41	277	1.2
YY13509		0.021	0.27	0.53	33	0.78	11.55	342	2.1
YY13510		0.014	0.17	1.89	31	0.59	8.72	276	1.3
YY13511		0.017	0.16	1.01	33	0.86	10.45	225	1.4
YY13512		0.014	0.13	2.09	26	0.45	7.45	207	1.2
YY13513		0.015	0.13	1.77	28	0.43	8.13	190	1.3
YY13514		0.021	0.20	1.84	36	1.24	10.25	222	1.7
YY13515		0.017	0.17	2.90	30	0.81	8.96	213	1.5
YY13516		0.021	0.17	1.94	36	0.99	9.59	221	1.9
YY13517		0.023	0.21	0.96	39	0.91	10.85	236	2.3
YY13518		0.024	0.26	5.33	42	0.69	10.25	241	2.1
YY13519		0.018	0.22	1.25	33	0.47	10.15	263	1.5
YY13520		0.019	0.18	1.81	31	1.15	8.06	180	1.6
YY13521		0.022	0.18	1.12	35	0.74	8.56	236	1.7
YY13522		0.017	0.18	3.37	35	0.84	13.45	208	1.6
YY13523		0.016	0.15	4.05	31	0.47	8.42	170	1.3
YY13524		0.016	0.16	1.22	31	0.59	7.96	224	1.4
YY13525		0.018	0.18	1.43	32	0.50	9.09	240	1.3
YY13526		0.017	0.31	1.47	35	0.57	11.15	350	1.4
YY13527		0.017	0.20	0.91	30	0.50	10.10	272	1.5
YY13528		0.018	0.21	2.02	32	0.52	10.05	388	1.7
YY13529		0.022	0.27	3.70	34	0.37	11.55	270	2.0
YY13530		0.019	0.21	1.00	30	0.61	9.74	259	1.4
YY13531		0.019	0.17	2.27	38	0.83	8.93	191	1.4
YY13532		0.019	0.17	2.48	37	0.65	8.24	199	1.5
YY13533		0.022	0.21	1.45	41	1.22	10.10	269	2.0
YY13534		0.020	0.19	1.83	35	0.62	8.56	269	1.4
YY13535		0.021	0.22	1.06	35	0.66	11.60	346	1.8
YY13536		0.016	0.20	1.27	29	0.86	9.49	301	1.8
YY13537		0.016	0.18	1.65	26	0.51	8.55	391	1.6
YY13538		0.015	0.16	2.00	27	0.64	7.95	361	1.1
YY13539		0.019	0.14	2.75	35	0.82	7.14	200	0.9
YY13540		0.015	0.16	2.47	35	0.96	8.03	338	0.9

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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY13541		0.28	<0.001	0.50	1.04	9.8	<0.02	<10	220	0.53	0.28	1.20	1.76	14.85	5.6	23
YY13542		0.33	<0.001	0.60	0.98	10.7	<0.02	<10	210	0.52	0.32	0.99	1.55	14.15	4.9	23
YY13543		0.67	<0.001	0.54	0.91	9.0	<0.02	<10	230	0.52	0.41	0.79	1.07	15.25	4.4	21
YY13544		0.49	<0.001	0.47	1.01	9.8	<0.02	<10	280	0.59	0.40	0.75	1.23	18.30	6.2	23
YY13545		0.54	0.001	0.58	1.22	12.0	<0.02	<10	340	0.69	0.54	0.80	1.54	20.7	7.2	26
YY13546		0.42	<0.001	0.47	1.13	9.2	<0.02	<10	250	0.65	0.38	0.71	2.22	19.05	6.4	23
YY13547		0.53	0.004	0.39	1.14	14.0	0.05	<10	330	0.53	0.21	5.92	1.19	17.30	8.2	21
YY13548		0.36	0.001	0.14	1.65	12.8	<0.02	<10	160	0.65	0.33	0.16	0.77	28.3	8.6	26
YY13549		0.49	0.007	0.40	1.76	15.2	<0.02	<10	270	0.66	0.39	0.76	0.98	22.0	9.3	40
YY13550		0.47	0.002	0.45	1.67	14.6	<0.02	<10	350	0.74	0.25	0.62	1.55	24.1	10.1	29
YY13551		0.30	<0.001	0.43	0.97	5.8	<0.02	<10	230	0.49	0.34	1.13	1.27	14.35	5.0	22
YY13552		0.34	<0.001	0.54	1.10	14.6	<0.02	<10	270	0.56	0.41	1.18	1.76	18.70	7.8	24
YY13553		0.41	<0.001	0.40	1.11	9.7	<0.02	<10	290	0.57	0.32	1.00	1.30	17.40	6.7	25
YY13554		0.43	<0.001	0.40	1.16	11.8	<0.02	<10	210	0.60	0.31	1.49	1.16	17.85	6.7	27
YY13555		0.34	<0.001	0.38	1.12	8.7	<0.02	<10	230	0.86	0.29	1.20	1.08	14.65	6.1	22
YY13556		0.42	<0.001	0.35	1.23	12.2	<0.02	<10	300	0.54	0.32	0.90	1.33	20.3	7.8	24
YY13557		0.47	<0.001	0.40	1.39	12.3	<0.02	<10	350	0.63	0.32	0.63	0.86	22.1	7.6	27
YY13558		0.44	0.001	0.65	1.81	16.9	<0.02	<10	270	0.84	0.46	0.34	0.81	27.9	9.2	30
YY13559		0.42	<0.001	0.43	1.31	12.5	<0.02	<10	320	0.64	0.40	0.60	0.85	19.00	6.8	26
YY13560		0.48	<0.001	0.39	1.23	11.2	<0.02	<10	180	0.69	0.37	1.47	0.59	14.00	5.7	25
YY13561		0.35	<0.001	0.09	1.90	14.4	<0.02	<10	150	0.41	0.24	0.19	0.19	18.60	14.3	55
YY13562		0.32	<0.001	0.07	1.87	9.3	<0.02	<10	160	0.33	0.20	0.12	0.16	16.75	22.6	55
YY13563		0.43	0.001	0.13	2.18	12.3	<0.02	<10	200	0.46	0.21	0.15	1.31	19.75	15.0	56
YY13564		0.37	0.001	0.56	2.07	32.5	<0.02	<10	1870	0.65	0.31	0.36	11.30	28.9	18.9	97
YY13565		0.44	0.003	0.32	2.27	22.8	<0.02	<10	440	0.66	0.32	0.26	2.19	19.75	20.2	118
YY13566		0.30	0.002	0.33	1.55	25.7	<0.02	<10	350	0.44	1.00	0.18	1.43	23.9	10.1	52
YY13567		0.53	0.003	0.31	1.79	35.2	<0.02	<10	470	0.75	1.00	0.13	1.72	30.4	12.8	30
YY13568		0.87	0.007	0.48	1.65	52.2	<0.02	<10	360	0.71	0.95	0.08	1.38	32.3	9.5	29
YY13569		0.70	0.009	0.74	2.05	59.3	<0.02	<10	340	0.64	1.43	0.04	0.92	40.1	8.0	30
YY13570		0.41	0.005	0.58	0.97	57.3	<0.02	<10	250	0.29	0.52	0.04	1.27	26.6	5.0	30
YY13571		0.39	0.008	1.03	0.97	62.2	<0.02	<10	380	0.32	0.65	0.09	0.77	29.9	3.8	27
YY13572		0.34	0.008	1.05	0.95	49.1	<0.02	<10	1000	0.41	1.00	0.53	3.87	31.2	6.9	24
YY13573		0.50	0.006	1.39	1.24	44.4	<0.02	<10	1270	0.61	1.02	0.46	1.09	27.8	8.2	26
YY13574		0.62	0.003	1.13	1.20	35.5	<0.02	<10	1360	0.61	0.91	1.08	1.06	28.1	7.7	22
YY13575		0.55	0.008	0.36	1.34	26.9	<0.02	<10	1240	0.41	0.81	0.40	0.50	24.2	6.7	24
YY13576		0.57	0.011	1.26	1.03	38.1	<0.02	<10	1630	0.45	0.86	0.52	1.37	29.9	6.6	22
YY13577		0.33	0.008	1.26	1.04	35.2	<0.02	<10	1810	0.48	0.74	0.65	1.21	28.6	5.7	23
YY13578		0.27	0.007	1.35	1.01	33.6	<0.02	<10	1770	0.48	0.85	0.93	0.96	27.7	5.9	23
YY13579		0.37	0.004	1.09	1.11	33.7	<0.02	<10	1320	0.45	0.84	1.04	1.33	29.3	5.1	25
YY13580		0.25	0.002	1.46	1.04	32.7	<0.02	<10	980	0.34	0.60	1.13	1.15	19.60	7.9	28

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

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13541		2.11	22.4	1.95	2.97	<0.05	0.04	0.05	0.034	0.05	8.9	14.8	0.36	291	2.36	0.01
YY13542		2.16	19.2	1.86	2.77	<0.05	0.04	0.05	0.036	0.05	8.9	13.8	0.30	449	2.53	0.01
YY13543		1.21	20.5	1.60	2.55	<0.05	0.04	0.04	0.032	0.05	9.3	12.5	0.27	154	2.67	0.01
YY13544		1.05	23.7	1.84	2.83	<0.05	0.05	0.05	0.031	0.05	10.7	12.9	0.32	327	2.60	<0.01
YY13545		1.35	29.3	2.05	3.37	<0.05	0.06	0.06	0.038	0.06	12.4	16.8	0.40	236	2.61	0.01
YY13546		1.48	22.7	1.35	3.07	0.05	0.05	0.05	0.033	0.05	11.4	17.2	0.38	132	3.61	0.01
YY13547		1.44	19.0	2.17	3.03	<0.05	0.04	0.05	0.027	0.06	10.5	15.3	1.45	424	1.52	0.03
YY13548		1.28	14.2	2.51	3.86	<0.05	0.04	0.05	0.031	0.05	13.2	15.0	0.37	394	1.51	<0.01
YY13549		2.57	24.7	2.79	5.34	<0.05	<0.02	0.05	0.034	0.07	12.8	20.3	0.70	308	2.09	0.01
YY13550		2.11	22.3	2.58	4.23	0.05	0.06	0.06	0.031	0.07	14.0	24.5	0.56	272	1.88	0.01
YY13551		1.26	20.5	1.49	2.61	<0.05	0.05	0.05	0.031	0.05	8.6	14.0	0.40	109	2.45	0.01
YY13552		1.67	19.1	2.56	3.05	<0.05	0.05	0.06	0.035	0.05	11.5	15.7	0.51	522	5.78	0.01
YY13553		1.49	23.9	1.49	3.04	<0.05	0.05	0.05	0.030	0.05	10.2	15.5	0.39	169	3.05	0.01
YY13554		1.76	29.8	2.19	3.33	<0.05	0.04	0.05	0.030	0.06	10.2	16.1	0.52	331	2.19	0.01
YY13555		2.12	29.0	2.20	3.20	<0.05	0.03	0.05	0.028	0.05	8.9	20.3	0.35	262	3.39	0.01
YY13556		1.23	18.1	2.22	3.53	<0.05	0.03	0.05	0.027	0.05	10.7	15.0	0.41	575	1.78	<0.01
YY13557		1.21	20.8	2.37	3.95	<0.05	0.03	0.05	0.029	0.05	12.6	14.8	0.42	420	1.21	<0.01
YY13558		2.03	29.4	2.96	4.68	0.05	0.06	0.07	0.041	0.08	14.5	18.4	0.51	533	2.83	<0.01
YY13559		1.74	22.8	2.29	3.60	<0.05	0.04	0.05	0.033	0.06	11.2	15.1	0.39	591	3.49	0.01
YY13560		1.86	24.9	1.99	3.63	<0.05	0.04	0.04	0.028	0.06	8.0	17.9	0.35	271	1.65	0.02
YY13561		6.42	21.9	3.17	6.41	<0.05	0.02	0.03	0.024	0.05	8.7	22.3	0.80	262	1.32	0.01
YY13562		7.03	25.6	2.86	6.52	<0.05	<0.02	0.03	0.021	0.04	8.3	22.8	0.87	524	1.83	<0.01
YY13563		5.25	38.3	3.20	6.80	<0.05	<0.02	0.04	0.023	0.08	9.5	29.0	1.03	381	5.32	<0.01
YY13564		4.66	172.5	4.23	5.79	0.07	0.03	0.09	0.055	0.16	15.1	27.1	1.12	486	13.55	0.01
YY13565		4.20	113.0	3.86	6.74	0.07	0.07	0.06	0.043	0.11	10.4	28.8	1.46	617	13.05	<0.01
YY13566		3.37	57.9	2.98	4.85	0.05	0.03	0.09	0.045	0.08	13.3	18.0	0.66	343	13.10	0.01
YY13567		3.24	101.5	3.10	5.22	<0.05	0.03	0.11	0.064	0.09	16.6	13.1	0.43	440	8.79	0.01
YY13568		2.89	130.0	3.80	4.83	0.05	0.02	0.19	0.133	0.12	17.9	9.9	0.38	278	14.45	0.01
YY13569		5.69	217	3.57	5.48	0.07	0.03	0.20	0.169	0.16	21.3	10.2	0.38	182	20.2	0.03
YY13570		1.45	61.3	4.78	5.66	0.05	<0.02	0.16	0.125	0.10	15.4	5.1	0.16	276	17.40	<0.01
YY13571		1.52	60.4	2.24	4.48	0.05	<0.02	0.23	0.105	0.08	17.2	6.7	0.19	161	19.60	<0.01
YY13572		1.36	41.4	1.99	3.90	0.05	0.02	0.28	0.110	0.11	17.5	7.9	0.27	731	10.00	0.01
YY13573		1.19	44.5	2.69	3.97	0.05	0.05	0.16	0.118	0.08	15.7	10.8	0.38	558	6.43	<0.01
YY13574		1.18	43.5	2.55	3.45	0.06	0.05	0.18	0.082	0.11	16.0	9.9	0.78	499	5.85	<0.01
YY13575		1.38	26.7	2.63	4.58	<0.05	<0.02	0.07	0.066	0.08	12.3	10.3	0.32	344	4.74	<0.01
YY13576		1.02	39.3	2.20	3.27	0.05	0.10	0.19	0.081	0.14	16.8	9.4	0.36	439	7.38	0.01
YY13577		0.85	38.8	2.07	3.28	0.05	0.09	0.26	0.087	0.10	16.1	8.7	0.38	389	6.00	<0.01
YY13578		0.95	34.7	2.02	3.24	0.05	0.11	0.33	0.062	0.06	16.3	8.6	0.34	402	6.92	<0.01
YY13579		1.03	35.8	1.99	3.63	0.05	0.09	0.21	0.065	0.06	15.5	9.6	0.38	223	3.85	0.01
YY13580		1.05	32.4	1.91	3.37	<0.05	0.08	0.18	0.046	0.05	10.9	9.1	0.40	726	6.79	0.01

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Finalized Date: 8- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13541		0.42	30.3	700	38.5	14.3	0.006	0.07	1.08	1.7	1.6	0.6	27.4	<0.01	0.04	1.3
YY13542		0.40	29.4	630	39.3	14.1	0.008	0.06	0.83	1.6	1.7	0.7	25.1	<0.01	0.03	1.4
YY13543		0.43	27.2	610	40.9	11.0	0.011	0.06	0.92	1.6	2.4	0.6	21.4	<0.01	0.04	1.9
YY13544		0.50	34.0	650	37.7	9.2	0.007	0.05	1.11	2.0	2.0	0.7	19.7	<0.01	0.03	2.0
YY13545		0.59	38.6	750	42.2	11.1	0.006	0.05	1.17	2.4	2.0	0.9	21.7	<0.01	0.04	2.5
YY13546		0.53	34.7	710	36.5	12.6	0.013	0.09	1.04	2.1	4.0	0.6	22.9	<0.01	0.03	2.3
YY13547		0.58	29.4	850	30.6	10.3	0.001	0.02	1.20	2.5	0.5	0.4	65.5	<0.01	0.03	2.7
YY13548		0.72	31.0	820	25.9	8.7	<0.001	0.02	0.91	2.5	0.5	0.5	11.7	<0.01	0.04	2.4
YY13549		0.37	40.0	1040	30.7	13.1	0.001	0.04	1.17	1.6	1.1	0.8	21.8	<0.01	0.05	0.4
YY13550		0.51	37.0	1120	32.5	14.4	0.001	0.06	1.20	2.9	2.0	0.5	26.0	<0.01	0.03	2.5
YY13551		0.46	24.5	680	33.0	11.2	0.025	0.27	0.73	1.8	4.2	0.5	23.4	<0.01	0.02	2.0
YY13552		0.44	30.0	730	39.2	11.4	0.015	0.07	0.93	2.0	2.7	0.6	24.4	<0.01	0.04	1.9
YY13553		0.52	29.4	710	31.2	9.7	0.018	0.11	1.12	2.0	2.5	0.5	22.4	<0.01	0.04	1.7
YY13554		0.51	36.0	750	31.0	10.6	0.002	0.05	1.35	2.0	1.0	0.7	26.1	<0.01	0.04	1.6
YY13555		0.42	33.6	640	23.3	12.7	0.002	0.05	1.07	1.7	1.2	0.8	25.5	<0.01	0.04	1.1
YY13556		0.56	27.1	630	31.5	10.9	0.001	0.04	0.92	1.9	1.0	0.5	22.0	<0.01	0.03	1.2
YY13557		0.59	29.3	720	28.6	8.6	<0.001	0.03	0.77	2.4	0.5	0.7	19.4	<0.01	0.03	1.4
YY13558		0.97	36.9	670	37.9	13.8	<0.001	0.02	1.27	3.4	0.7	0.8	17.0	<0.01	0.05	4.1
YY13559		0.51	28.9	670	30.8	13.0	<0.001	0.03	1.21	2.5	0.8	0.7	19.1	<0.01	0.04	2.3
YY13560		0.47	32.4	520	21.5	9.6	<0.001	0.04	1.14	2.2	0.7	0.6	28.9	<0.01	0.04	1.8
YY13561		1.51	37.4	390	12.6	9.7	<0.001	0.02	0.67	2.3	0.5	0.8	12.1	<0.01	0.03	1.8
YY13562		0.78	37.1	590	10.4	9.3	<0.001	0.04	0.46	1.3	1.0	0.6	11.3	<0.01	0.04	0.2
YY13563		1.22	50.9	580	12.6	13.1	0.001	0.03	1.30	1.8	1.4	0.5	11.6	<0.01	0.03	0.5
YY13564		0.97	198.0	1010	36.3	16.7	0.003	0.22	6.91	3.0	4.4	1.2	69.5	<0.01	0.14	1.6
YY13565		1.25	151.0	860	26.5	13.0	0.001	0.03	4.30	3.3	3.1	1.2	20.7	<0.01	0.07	2.3
YY13566		1.00	60.8	860	22.2	16.5	<0.001	0.07	4.92	2.3	2.7	3.9	34.3	<0.01	0.11	2.0
YY13567		0.71	43.6	970	37.5	18.5	0.001	0.08	3.50	2.8	2.0	2.7	37.4	<0.01	0.10	1.2
YY13568		0.79	43.8	1120	46.9	16.4	0.001	0.10	5.05	4.7	3.3	4.7	42.4	<0.01	0.12	2.2
YY13569		1.09	43.2	1210	44.6	26.1	0.002	0.27	6.73	6.5	5.2	6.4	74.0	0.01	0.15	2.0
YY13570		0.53	19.8	1600	55.8	10.9	0.002	0.10	5.88	2.5	5.2	4.2	32.0	<0.01	0.12	1.2
YY13571		0.44	17.7	1000	84.6	9.8	0.001	0.09	5.90	1.6	4.4	4.4	32.3	<0.01	0.11	0.7
YY13572		0.32	30.4	1210	73.6	14.3	0.003	0.11	8.00	1.8	5.8	8.2	45.4	<0.01	0.11	0.5
YY13573		0.45	34.2	1190	151.5	11.3	<0.001	0.07	5.15	3.0	3.1	4.9	45.7	<0.01	0.09	1.5
YY13574		0.38	35.3	1060	160.5	10.8	<0.001	0.07	4.71	3.1	3.1	2.4	35.6	<0.01	0.08	2.0
YY13575		0.36	28.8	960	183.5	10.8	0.001	0.05	3.06	1.1	2.5	1.8	26.7	<0.01	0.07	0.4
YY13576		0.36	24.9	1170	250	9.8	0.001	0.09	6.92	2.9	3.6	3.2	39.2	<0.01	0.09	3.5
YY13577		0.36	27.2	1260	290	8.5	<0.001	0.08	5.26	2.6	2.9	2.7	42.3	<0.01	0.08	1.9
YY13578		0.34	24.0	1170	143.0	8.6	<0.001	0.07	6.28	2.3	2.7	1.9	29.7	<0.01	0.09	1.6
YY13579		0.45	22.4	1300	66.6	9.3	0.001	0.08	5.59	2.4	4.2	1.4	31.4	<0.01	0.10	1.5
YY13580		0.45	21.3	1480	36.5	7.7	0.001	0.10	4.01	1.8	4.1	1.0	31.9	<0.01	0.06	1.1

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13541		0.016	0.17	1.83	33	0.74	9.15	522	1.2
YY13542		0.015	0.17	1.10	31	0.72	8.86	446	1.3
YY13543		0.016	0.20	1.49	29	0.60	8.80	302	1.5
YY13544		0.018	0.20	1.74	33	0.94	9.64	277	1.5
YY13545		0.021	0.24	2.64	38	0.66	11.30	326	2.0
YY13546		0.020	0.22	3.01	33	1.24	10.35	308	1.8
YY13547		0.030	0.27	0.91	32	0.98	9.85	156	1.7
YY13548		0.027	0.21	0.81	40	0.44	8.01	138	1.1
YY13549		0.032	0.29	1.54	49	0.32	10.45	181	<0.5
YY13550		0.022	0.31	1.14	42	0.22	12.40	258	1.9
YY13551		0.017	0.18	2.92	29	0.45	8.19	273	1.6
YY13552		0.017	0.22	1.95	34	0.68	10.20	344	1.6
YY13553		0.019	0.22	3.04	35	0.61	8.92	230	1.8
YY13554		0.022	0.22	1.86	41	0.80	9.64	241	1.3
YY13555		0.016	0.18	3.03	33	2.38	11.05	247	1.0
YY13556		0.022	0.17	2.24	39	1.08	7.81	214	0.9
YY13557		0.023	0.14	1.08	43	0.37	9.10	144	0.8
YY13558		0.034	0.26	1.22	51	1.02	10.05	177	2.2
YY13559		0.019	0.22	3.59	42	1.33	8.59	169	1.2
YY13560		0.018	0.16	1.00	46	0.63	9.43	141	1.3
YY13561		0.087	0.42	0.40	53	0.23	3.49	52	0.6
YY13562		0.060	0.75	0.46	45	0.14	3.43	59	<0.5
YY13563		0.081	0.35	0.76	54	0.22	4.91	154	<0.5
YY13564		0.073	0.97	2.27	105	0.34	10.50	1000	0.9
YY13565		0.131	0.61	1.10	84	0.22	7.38	373	3.0
YY13566		0.051	0.50	1.14	65	0.53	4.95	197	0.9
YY13567		0.024	0.51	2.52	63	0.31	11.55	156	0.7
YY13568		0.037	0.69	5.44	66	0.39	9.81	173	0.7
YY13569		0.046	1.09	12.15	74	0.48	12.20	128	1.1
YY13570		0.026	0.83	4.95	97	0.43	4.12	62	<0.5
YY13571		0.022	0.87	5.24	96	0.46	5.06	66	<0.5
YY13572		0.017	0.80	3.95	55	0.53	9.31	130	0.5
YY13573		0.019	0.48	3.16	72	0.43	11.75	167	1.6
YY13574		0.018	0.54	1.96	66	0.33	11.30	164	1.8
YY13575		0.019	0.44	1.58	65	0.37	5.09	129	<0.5
YY13576		0.016	0.50	1.56	57	0.30	8.68	111	4.3
YY13577		0.015	0.46	2.70	62	0.31	10.70	133	2.9
YY13578		0.012	0.44	2.92	58	0.35	9.65	123	3.4
YY13579		0.014	0.55	5.46	70	0.34	9.81	141	2.8
YY13580		0.014	0.45	3.81	49	0.34	7.29	102	2.7

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY13581		0.52	0.002	0.25	1.68	18.0	<0.02	<10	310	0.63	0.41	0.31	0.45	28.7	8.8	28
YY13582		0.56	0.008	0.18	2.02	21.6	<0.02	<10	270	0.83	0.37	0.18	0.63	29.3	11.6	29
YY13583		0.39	0.005	0.44	1.54	18.6	<0.02	<10	320	0.62	0.42	0.58	0.83	23.4	7.9	25
YY13584		0.47	0.001	0.41	1.86	18.7	<0.02	<10	250	0.63	0.31	0.13	0.50	35.5	11.5	30
YY13585		0.47	0.002	0.28	1.89	16.4	<0.02	<10	300	0.62	0.28	0.18	0.43	30.3	9.0	29
YY13586		0.35	<0.001	0.10	1.96	14.7	<0.02	<10	220	0.58	0.32	0.28	0.57	27.2	7.9	29
YY13587		0.39	0.002	0.21	2.15	24.9	<0.02	<10	300	0.77	0.29	0.30	0.87	24.9	12.9	35
YY13588		0.40	0.002	0.35	1.53	12.8	<0.02	<10	350	0.61	0.31	0.77	0.97	23.1	9.0	26
YY13589		0.46	0.002	0.37	1.47	10.9	<0.02	<10	330	0.62	0.27	0.75	0.89	25.0	8.9	26
YY13590		0.57	0.001	0.38	1.41	12.7	<0.02	<10	290	0.58	0.21	1.02	0.65	23.7	8.6	26
YY13591		0.35	0.003	0.24	0.91	6.9	<0.02	<10	280	0.44	0.14	2.43	2.04	12.00	5.3	15
YY13592		0.38	<0.001	0.47	1.35	21.1	<0.02	<10	200	0.29	0.29	0.06	0.38	22.7	4.5	23
YY13593		0.44	0.009	1.03	1.02	57.2	<0.02	<10	380	0.46	1.66	0.04	1.35	43.4	2.9	23
YY13594		0.46	0.012	0.79	0.63	51.9	<0.02	<10	280	0.28	0.66	0.08	2.04	29.5	3.6	17
YY13595		0.31	0.009	1.04	1.46	44.4	<0.02	<10	210	0.33	0.55	0.06	1.11	31.4	4.2	31
YY13596		0.31	0.006	0.23	1.23	21.7	<0.02	<10	140	0.20	0.46	0.05	0.20	25.8	3.3	24
YY13597		0.32	0.006	3.85	1.29	64.4	<0.02	<10	580	0.26	1.96	0.07	0.42	68.5	2.1	56
YY13598		0.45	0.028	1.23	0.83	44.9	0.02	<10	340	0.33	2.37	0.03	0.17	30.8	3.1	15
YY13599		0.58	0.016	1.61	0.56	40.4	<0.02	<10	1590	0.33	0.90	0.10	0.41	34.6	2.9	14
YY13600		0.59	0.013	1.58	0.54	31.7	<0.02	<10	1140	0.26	0.88	0.11	0.22	31.8	2.1	13
YY13601		0.67	0.009	1.14	0.76	25.5	<0.02	<10	680	0.39	0.50	0.10	0.38	30.4	3.0	17
YY13602		0.55	0.007	0.73	1.09	32.7	<0.02	<10	480	0.50	0.98	0.15	0.42	29.3	7.0	22
YY13603		0.26	0.007	1.43	1.04	23.3	<0.02	<10	1150	0.57	0.79	0.52	1.89	33.8	7.6	21
YY13604		0.31	0.007	1.77	1.14	27.5	<0.02	<10	1280	0.58	1.22	0.71	6.55	33.9	8.4	28
YY13605		0.45	0.002	0.52	1.60	21.9	<0.02	<10	490	0.74	0.38	0.49	1.86	26.4	10.2	28
YY13606		0.64	0.003	0.53	1.52	20.7	<0.02	<10	430	0.69	0.42	0.68	1.19	24.0	10.2	27
YY13607		0.38	0.002	0.62	1.42	22.4	<0.02	<10	190	0.72	0.36	2.84	1.13	23.2	9.9	25
YY13608		0.23	<0.001	0.42	2.14	21.3	<0.02	<10	350	1.04	0.28	0.67	0.76	22.9	12.1	32
YY13609		0.41	0.001	0.32	2.44	29.9	<0.02	<10	190	1.31	0.27	0.28	3.01	29.3	14.5	34
YY13610		0.52	0.003	0.35	1.84	22.1	<0.02	<10	220	0.89	0.30	0.87	0.85	28.4	12.8	29
YY13611		0.24	0.001	0.24	1.42	10.7	<0.02	<10	460	0.57	0.25	1.31	0.96	17.55	9.9	23
YY13612		0.42	0.007	0.52	1.45	26.8	<0.02	<10	320	0.73	0.65	1.92	1.54	21.5	10.9	22
YY13613		0.26	<0.001	0.25	1.21	13.0	<0.02	<10	460	0.53	0.25	1.52	1.24	16.85	9.2	21
YY13614		0.40	<0.001	0.27	1.69	13.0	<0.02	<10	520	0.73	0.28	0.79	0.69	22.0	11.0	28
YY13615		0.38	0.001	0.17	1.64	21.0	<0.02	<10	260	0.76	0.37	0.42	0.64	30.0	11.7	29
YY13616		0.44	<0.001	0.06	1.59	9.4	<0.02	<10	210	0.52	0.25	0.08	0.35	25.5	7.4	24
YY13617		0.53	<0.001	0.38	1.41	11.6	<0.02	<10	280	0.66	0.19	2.30	0.88	20.7	9.6	25
YY13618		0.31	0.001	0.29	1.37	12.0	<0.02	<10	370	0.72	0.21	0.51	0.82	27.9	10.7	26
YY13619		0.47	0.001	0.27	1.62	8.8	<0.02	<10	290	0.63	0.20	0.71	0.59	22.8	12.9	28
YY13620		0.39	0.003	0.05	1.84	14.3	<0.02	<10	140	0.60	0.27	0.12	0.45	25.4	8.2	30

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13581		1.62	31.5	2.75	4.57	0.05	0.03	0.07	0.036	0.08	15.4	14.7	0.48	330	2.96	0.01
YY13582		1.82	34.5	3.16	4.53	<0.05	0.09	0.07	0.039	0.09	15.1	21.7	0.54	372	3.52	0.01
YY13583		1.98	27.2	2.57	4.44	<0.05	0.06	0.08	0.038	0.08	12.7	15.8	0.50	386	3.32	0.01
YY13584		1.71	29.0	3.05	5.02	0.05	0.04	0.06	0.037	0.07	16.7	17.3	0.50	408	2.39	0.01
YY13585		2.25	19.9	2.80	5.37	<0.05	0.02	0.05	0.035	0.06	14.5	17.7	0.48	305	2.22	0.01
YY13586		2.26	14.3	2.88	6.07	<0.05	<0.02	0.03	0.033	0.06	13.3	20.1	0.42	271	2.23	0.01
YY13587		2.56	32.4	3.45	5.47	0.05	0.05	0.04	0.037	0.08	12.8	27.1	0.69	514	3.62	0.01
YY13588		1.59	23.0	2.54	4.40	<0.05	0.04	0.07	0.029	0.06	13.1	14.8	0.48	494	1.46	0.01
YY13589		1.48	18.6	2.39	4.29	<0.05	0.03	0.07	0.028	0.05	13.7	14.6	0.48	390	1.18	0.01
YY13590		1.64	23.2	2.54	4.52	<0.05	<0.02	0.07	0.027	0.06	14.5	16.0	0.63	400	1.27	0.01
YY13591		0.87	20.2	1.51	2.42	<0.05	0.05	0.09	0.020	0.05	7.4	7.3	0.40	390	0.75	0.01
YY13592		1.67	13.8	2.88	6.66	<0.05	<0.02	0.04	0.031	0.04	11.8	10.2	0.20	222	11.35	<0.01
YY13593		4.78	45.5	2.80	4.79	0.05	<0.02	0.13	0.103	0.16	27.4	7.9	0.24	145	16.35	0.03
YY13594		1.06	21.2	1.81	3.27	0.05	0.02	0.21	0.060	0.07	17.1	5.7	0.17	264	23.1	<0.01
YY13595		2.05	64.1	2.84	5.97	<0.05	0.02	0.16	0.097	0.09	17.9	12.3	0.29	223	16.85	0.01
YY13596		1.55	12.6	2.22	6.48	<0.05	<0.02	0.09	0.037	0.05	13.9	7.1	0.19	147	7.58	<0.01
YY13597		4.54	60.6	2.50	8.35	0.11	<0.02	0.48	0.202	0.13	38.6	4.6	0.17	90	22.8	0.01
YY13598		0.80	15.2	1.80	3.07	0.05	0.02	0.13	0.094	0.15	17.8	5.7	0.15	198	8.36	<0.01
YY13599		0.56	25.1	1.34	2.76	0.07	0.04	0.20	0.107	0.13	20.9	4.4	0.10	102	10.25	<0.01
YY13600		0.56	15.9	1.22	2.58	0.06	<0.02	0.16	0.074	0.10	19.3	4.2	0.10	65	7.86	<0.01
YY13601		0.82	25.3	1.41	2.86	0.06	0.02	0.14	0.084	0.12	17.5	7.0	0.19	166	7.38	<0.01
YY13602		1.16	30.5	2.32	3.94	0.05	0.02	0.08	0.104	0.11	16.1	11.1	0.27	394	6.63	<0.01
YY13603		1.29	63.2	2.17	3.73	0.06	0.02	0.22	0.054	0.11	19.4	10.6	0.32	351	6.15	<0.01
YY13604		1.67	88.8	2.09	3.92	0.06	0.13	0.26	0.070	0.08	19.0	13.8	0.43	484	6.32	<0.01
YY13605		1.64	86.7	2.77	4.85	0.05	0.10	0.18	0.041	0.11	14.3	20.1	0.55	748	4.43	<0.01
YY13606		1.96	29.5	2.73	4.55	<0.05	0.05	0.09	0.038	0.07	13.3	16.9	0.50	428	3.47	0.01
YY13607		1.36	32.0	2.69	4.00	<0.05	0.06	0.12	0.037	0.07	13.5	16.3	0.47	503	3.97	0.01
YY13608		2.82	26.0	3.16	5.94	0.05	0.07	0.06	0.036	0.10	13.1	33.0	0.69	588	3.99	0.01
YY13609		2.57	34.2	3.64	5.81	0.06	0.10	0.13	0.034	0.07	14.1	33.6	0.73	541	5.39	0.01
YY13610		2.22	32.5	3.30	4.93	0.05	0.03	0.05	0.037	0.10	15.2	25.3	0.76	466	3.83	0.01
YY13611		1.40	15.2	2.27	4.43	<0.05	0.04	0.06	0.024	0.05	9.3	15.5	0.44	683	1.66	<0.01
YY13612		1.55	30.9	2.87	4.08	0.05	0.07	0.10	0.028	0.08	12.8	19.9	1.04	508	3.91	0.03
YY13613		1.06	17.1	2.16	3.70	<0.05	0.04	0.07	0.022	0.05	9.1	13.1	0.46	655	1.04	0.01
YY13614		1.77	18.0	2.78	5.40	<0.05	0.03	0.07	0.028	0.05	11.5	17.6	0.45	983	1.69	<0.01
YY13615		1.59	27.9	3.27	4.77	0.06	0.03	0.06	0.038	0.06	16.2	17.8	0.54	528	2.23	<0.01
YY13616		1.50	10.6	2.39	6.31	<0.05	0.02	0.02	0.022	0.04	13.0	15.8	0.29	314	1.48	<0.01
YY13617		1.31	23.8	2.51	3.90	<0.05	0.06	0.06	0.025	0.07	12.7	19.4	0.86	442	1.21	0.02
YY13618		1.01	24.4	2.58	4.25	0.05	0.05	0.10	0.025	0.06	15.7	17.1	0.48	473	1.27	0.01
YY13619		1.42	21.6	2.59	4.61	0.05	0.05	0.06	0.023	0.06	12.4	22.9	0.66	441	1.20	0.01
YY13620		2.39	12.3	2.90	6.71	<0.05	<0.02	0.03	0.026	0.06	11.9	21.7	0.38	277	2.08	<0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13581		0.54	31.0	930	28.3	12.3	<0.001	0.03	1.47	2.8	1.2	0.8	18.8	<0.01	0.04	1.7
YY13582		0.63	42.3	880	33.8	12.7	<0.001	0.04	1.75	3.3	1.6	0.7	22.0	<0.01	0.04	5.2
YY13583		0.49	33.3	1100	30.9	13.8	0.001	0.05	1.62	2.6	1.3	1.0	27.1	<0.01	0.04	2.0
YY13584		0.75	34.5	710	26.3	13.1	<0.001	0.03	1.38	3.5	0.9	0.7	16.0	<0.01	0.04	2.5
YY13585		0.56	31.3	1050	21.3	13.2	<0.001	0.03	1.00	2.4	0.7	0.7	17.4	<0.01	0.04	1.2
YY13586		0.33	23.9	970	21.4	16.9	<0.001	0.03	0.64	0.9	0.7	0.6	17.4	<0.01	0.03	0.2
YY13587		0.45	50.1	1390	31.5	13.0	<0.001	0.05	1.59	3.5	1.3	0.6	25.8	<0.01	0.04	4.4
YY13588		0.55	27.9	980	27.9	12.5	<0.001	0.04	0.86	2.4	0.6	0.5	19.3	<0.01	0.03	1.2
YY13589		0.64	27.9	950	24.8	11.4	<0.001	0.04	0.70	2.6	0.7	0.5	20.9	<0.01	0.03	1.5
YY13590		0.58	29.6	810	36.3	10.1	<0.001	0.02	0.89	2.8	0.5	0.5	23.6	<0.01	0.03	1.4
YY13591		0.42	19.3	1160	19.1	10.0	<0.001	0.14	0.76	1.2	0.9	0.3	31.5	<0.01	0.03	0.5
YY13592		1.25	13.3	540	23.2	8.9	0.001	0.02	2.53	1.8	2.8	0.9	14.1	<0.01	0.06	1.3
YY13593		0.65	13.7	770	48.2	22.4	0.001	0.32	6.09	1.9	3.7	3.6	70.9	<0.01	0.17	1.5
YY13594		0.88	11.8	610	56.1	7.3	0.001	0.08	5.95	2.4	3.8	3.9	42.3	<0.01	0.14	2.5
YY13595		0.88	15.8	750	52.3	13.9	0.001	0.06	3.88	2.1	2.4	4.2	31.9	<0.01	0.11	1.3
YY13596		0.39	9.5	710	27.1	8.2	<0.001	0.04	2.27	0.6	2.5	3.1	17.9	<0.01	0.06	<0.2
YY13597		0.37	10.9	1850	92.1	20.0	0.001	0.22	8.01	0.5	9.9	20.7	92.4	<0.01	0.16	<0.2
YY13598		0.28	11.9	610	95.0	11.1	<0.001	0.11	8.15	1.4	5.8	8.4	21.9	<0.01	0.13	1.7
YY13599		0.20	14.1	1070	98.9	8.4	0.001	0.12	8.42	2.2	7.3	4.0	38.7	<0.01	0.15	4.4
YY13600		0.16	9.1	850	98.1	8.5	<0.001	0.08	6.09	1.2	5.7	3.0	29.2	<0.01	0.12	0.8
YY13601		0.35	12.6	780	73.7	9.9	<0.001	0.06	4.66	2.2	4.8	1.8	27.1	<0.01	0.13	2.2
YY13602		0.37	21.9	1030	89.3	12.0	0.001	0.06	4.71	2.0	3.1	2.9	26.5	<0.01	0.11	1.3
YY13603		0.34	27.8	1300	50.0	10.4	0.001	0.08	5.28	2.3	3.3	1.6	26.7	<0.01	0.11	1.0
YY13604		0.53	34.1	1370	46.3	12.5	0.001	0.06	5.84	3.6	4.2	1.9	42.0	<0.01	0.10	2.6
YY13605		0.50	34.3	1110	33.2	16.1	0.003	0.03	3.08	3.8	2.5	1.0	26.2	<0.01	0.07	2.9
YY13606		0.57	33.2	970	29.0	14.2	0.001	0.04	2.55	3.3	1.2	0.8	28.6	<0.01	0.06	1.7
YY13607		0.47	36.2	960	29.4	11.7	<0.001	0.04	2.16	4.3	1.7	0.7	56.5	<0.01	0.05	2.7
YY13608		0.47	43.8	1330	25.7	21.6	0.001	0.05	1.48	3.6	1.4	0.6	29.9	<0.01	0.06	2.0
YY13609		0.63	54.1	1070	29.9	11.2	0.001	0.05	1.99	5.3	1.6	0.5	24.6	<0.01	0.06	5.3
YY13610		0.50	42.0	1040	28.6	14.7	<0.001	0.05	1.73	4.0	1.3	0.6	33.4	<0.01	0.05	4.4
YY13611		0.59	20.9	1250	17.9	12.6	<0.001	0.08	0.67	2.0	0.9	0.5	26.6	<0.01	0.04	0.8
YY13612		0.38	38.6	930	36.2	10.9	<0.001	0.03	2.87	3.7	1.9	1.0	38.3	<0.01	0.07	4.0
YY13613		0.69	23.0	960	19.0	10.6	<0.001	0.07	0.79	2.4	0.7	0.4	29.2	<0.01	0.04	1.1
YY13614		0.70	26.1	1100	24.8	13.9	<0.001	0.06	0.66	2.7	0.4	0.5	18.4	<0.01	0.06	1.1
YY13615		0.68	37.0	730	30.0	12.0	<0.001	0.02	1.98	3.7	1.0	1.0	18.2	<0.01	0.06	2.1
YY13616		1.06	15.3	290	20.8	12.8	<0.001	<0.01	0.48	2.8	0.3	0.8	9.2	<0.01	0.03	2.8
YY13617		0.60	29.6	830	39.1	10.7	<0.001	0.02	1.03	3.3	0.4	0.5	34.4	<0.01	0.04	3.1
YY13618		0.75	31.7	840	27.4	9.8	0.001	0.01	0.88	4.0	0.4	0.5	21.3	<0.01	0.04	3.0
YY13619		0.67	32.3	1110	19.6	10.0	<0.001	0.03	0.74	3.2	0.5	0.4	22.4	<0.01	0.04	2.5
YY13620		0.48	27.2	910	29.4	12.6	<0.001	0.03	0.64	1.4	0.7	0.6	16.3	<0.01	0.04	0.4

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13581		0.026	0.27	1.48	46	0.33	9.68	117	0.9
YY13582		0.022	0.41	1.26	42	0.25	8.56	162	3.5
YY13583		0.021	0.36	1.42	42	0.33	8.62	166	1.8
YY13584		0.032	0.27	1.40	48	0.35	10.10	104	1.3
YY13585		0.027	0.29	1.42	47	0.38	8.08	117	0.6
YY13586		0.021	0.23	1.16	52	0.25	5.41	112	<0.5
YY13587		0.030	0.45	1.57	43	0.19	8.02	219	2.1
YY13588		0.020	0.22	0.91	41	0.42	10.15	168	1.1
YY13589		0.023	0.18	1.30	40	0.46	9.97	157	0.9
YY13590		0.025	0.23	0.71	38	0.32	13.50	154	<0.5
YY13591		0.013	0.12	0.82	21	0.13	7.85	106	1.6
YY13592		0.032	0.45	0.92	128	0.33	2.73	54	<0.5
YY13593		0.030	0.83	1.86	61	0.42	3.96	53	<0.5
YY13594		0.053	0.73	2.72	45	0.25	4.55	55	1.1
YY13595		0.028	0.86	2.57	76	0.34	3.27	61	0.5
YY13596		0.022	0.44	1.49	64	0.34	2.88	37	<0.5
YY13597		0.013	3.04	13.55	94	0.82	8.31	39	<0.5
YY13598		0.011	0.55	1.31	44	0.42	2.84	46	0.7
YY13599		0.013	0.59	2.86	50	0.34	5.86	48	2.9
YY13600		0.010	0.47	1.84	44	0.31	4.54	42	<0.5
YY13601		0.018	0.54	1.96	61	0.26	5.15	50	0.6
YY13602		0.015	0.52	2.02	60	0.41	5.73	96	0.5
YY13603		0.015	0.50	1.85	49	0.41	10.60	119	0.7
YY13604		0.020	0.73	3.84	66	0.93	13.25	142	4.8
YY13605		0.019	0.32	2.14	46	0.26	9.43	142	2.7
YY13606		0.023	0.29	1.69	45	0.59	10.40	127	1.5
YY13607		0.021	0.35	1.31	41	0.52	15.75	146	1.9
YY13608		0.023	0.42	1.84	47	0.16	11.20	251	1.9
YY13609		0.034	0.58	2.05	47	0.16	11.95	254	4.1
YY13610		0.027	0.48	1.25	41	0.23	10.85	194	1.1
YY13611		0.019	0.19	0.86	39	0.19	6.63	104	1.1
YY13612		0.023	0.40	1.14	36	0.19	10.95	190	3.2
YY13613		0.019	0.17	1.04	34	0.23	7.32	113	1.4
YY13614		0.021	0.30	1.33	48	0.28	8.72	175	1.0
YY13615		0.028	0.27	1.26	50	0.39	11.05	155	1.0
YY13616		0.026	0.20	0.68	52	0.26	3.76	69	0.5
YY13617		0.022	0.21	0.72	33	0.22	11.90	171	1.9
YY13618		0.027	0.15	0.84	40	0.48	12.00	114	1.5
YY13619		0.028	0.18	1.26	34	0.20	8.54	108	1.7
YY13620		0.025	0.27	0.86	49	0.21	4.55	142	<0.5

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Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY13621		0.28	0.004	0.67	1.87	30.6	<0.02	<10	190	0.51	0.47	0.09	0.24	29.0	6.8	29
YY13622		0.22	0.007	2.40	0.94	22.7	<0.02	<10	90	0.20	1.61	0.05	0.15	27.6	3.1	22
YY13623		0.21	0.003	0.64	1.72	35.5	<0.02	<10	170	0.51	0.67	0.09	0.25	29.7	6.7	29
YY13624		0.28	0.002	0.76	1.29	22.7	<0.02	<10	130	0.29	0.65	0.07	0.57	24.4	4.7	24
YY13625		0.36	0.009	0.77	2.15	165.0	<0.02	<10	480	1.70	0.47	0.06	1.78	34.9	4.1	39
YY13626		0.36	<0.001	0.17	2.02	26.6	<0.02	<10	160	0.41	0.36	0.09	1.06	36.3	7.3	33
YY13627		0.57	0.011	0.51	1.42	25.2	<0.02	<10	330	0.66	0.83	0.05	0.18	35.4	8.5	23
YY13628		0.45	0.007	0.61	0.84	20.6	<0.02	<10	220	0.22	0.43	0.05	0.10	24.9	2.2	15
YY13629		0.34	0.016	0.99	0.75	41.0	<0.02	<10	340	0.34	1.37	0.04	0.22	30.8	2.6	14
YY13630		0.41	0.006	0.54	1.72	32.5	<0.02	<10	350	0.47	1.07	0.10	0.26	34.1	8.3	30
YY13631		0.39	0.003	1.96	1.28	26.0	<0.02	<10	250	0.33	0.57	0.05	0.20	37.6	2.6	20
YY13632		0.42	0.005	0.40	1.38	15.2	<0.02	<10	220	0.29	0.32	0.08	0.42	27.1	4.1	25
YY13633		0.42	0.004	0.70	0.91	29.0	<0.02	<10	250	0.32	2.14	0.09	0.46	27.8	2.6	21
YY13634		0.69	0.005	0.59	1.66	25.7	<0.02	<10	440	0.75	0.51	0.27	0.51	33.5	10.4	25
YY13635		0.45	0.011	0.53	1.97	28.3	<0.02	<10	390	0.87	0.51	0.33	2.96	25.3	10.6	30
YY13636		0.40	0.002	0.41	1.18	30.7	<0.02	<10	180	0.44	0.65	0.15	1.03	26.3	6.6	25
YY13637		0.43	0.004	0.73	1.68	22.3	<0.02	<10	320	0.74	0.52	0.12	0.66	36.1	11.2	27
YY13638		0.49	0.002	0.41	0.86	31.0	<0.02	<10	130	0.23	0.58	0.07	0.36	22.9	5.9	19
YY13639		0.41	<0.001	0.29	1.28	12.5	<0.02	<10	250	0.40	0.31	0.28	0.24	19.10	4.7	21
YY13640		0.47	0.001	0.08	1.99	19.0	<0.02	<10	200	0.81	0.28	0.34	0.57	28.4	13.2	31
YY13641		0.52	0.001	0.34	1.66	16.8	<0.02	<10	380	0.79	0.36	0.87	0.95	24.6	11.3	29
YY13642		0.23	0.001	0.21	1.44	11.1	<0.02	<10	270	0.74	0.18	1.87	1.69	15.75	8.0	20
YY13643		0.40	<0.001	0.41	1.95	20.2	<0.02	<10	460	1.04	0.33	1.13	1.39	24.6	12.2	31
YY13644		0.39	<0.001	0.37	2.01	19.8	<0.02	<10	370	0.95	0.27	1.19	0.99	23.0	12.3	31
YY13645		0.35	<0.001	0.14	1.75	15.9	<0.02	<10	320	0.75	0.26	0.48	0.57	27.9	12.4	31
YY13646		0.22	0.004	0.23	0.76	3.6	<0.02	<10	890	0.32	0.11	4.69	3.28	7.60	5.4	12
YY13647		0.44	0.001	0.25	1.76	19.0	<0.02	<10	90	0.44	0.28	0.05	0.20	25.4	7.4	25
YY13648		0.34	0.002	0.43	1.54	22.9	<0.02	<10	160	0.40	0.26	0.09	0.20	26.2	8.1	28
YY13649		0.59	0.004	0.72	1.60	23.3	<0.02	<10	320	0.55	0.28	0.10	0.14	36.3	8.1	29
YY13650		0.35	0.011	0.78	1.29	39.2	<0.02	<10	150	0.31	2.10	0.05	0.17	26.5	5.5	26
YY13651		0.37	0.021	1.58	1.29	66.9	0.02	<10	460	0.29	3.89	0.06	0.16	28.7	4.3	30
YY13652		0.50	0.003	0.18	1.53	20.2	<0.02	<10	340	0.53	0.32	0.11	0.11	32.1	7.3	25
YY13653		0.46	0.017	1.01	1.20	45.9	<0.02	<10	460	0.69	1.89	0.10	0.45	39.8	9.0	21
YY13654		0.34	0.003	0.58	1.72	21.7	<0.02	<10	220	0.49	0.38	0.11	0.23	28.5	8.2	29
YY13655		0.56	0.016	0.74	1.54	25.9	<0.02	<10	460	0.68	0.95	0.11	0.49	40.3	10.7	25
YY13656		0.38	0.011	0.91	1.42	28.8	<0.02	<10	390	0.50	0.63	0.22	0.54	25.8	5.0	23
YY13657		0.71	0.003	0.76	1.32	24.6	<0.02	<10	420	0.62	0.25	0.18	0.75	30.2	8.4	20
YY13658		0.48	<0.001	0.17	0.99	20.5	<0.02	<10	120	0.27	0.33	0.04	0.34	22.0	4.6	19
YY13659		0.35	<0.001	0.22	2.14	27.9	<0.02	<10	380	0.93	0.32	0.48	0.59	25.9	9.0	30
YY13660		0.43	0.001	0.23	1.36	14.6	<0.02	<10	270	0.43	0.23	0.34	0.35	21.7	6.0	22

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13621		1.67	18.0	3.26	5.79	0.05	0.04	0.12	0.045	0.08	15.5	18.0	0.34	280	8.78	<0.01
YY13622		1.26	15.5	2.24	7.50	<0.05	<0.02	0.17	0.034	0.04	15.5	3.6	0.10	131	13.70	<0.01
YY13623		1.99	22.6	2.78	6.16	<0.05	<0.02	0.11	0.042	0.06	15.8	14.9	0.37	270	10.50	<0.01
YY13624		1.05	16.0	2.46	6.99	<0.05	<0.02	0.12	0.036	0.05	13.1	8.3	0.23	187	13.40	<0.01
YY13625		2.58	41.1	4.73	4.60	0.06	0.07	0.18	0.098	0.21	22.6	17.0	0.28	171	15.85	0.05
YY13626		2.11	32.8	3.52	7.40	<0.05	<0.02	0.13	0.050	0.06	19.5	16.9	0.42	312	10.55	<0.01
YY13627		1.51	24.5	2.76	4.10	0.05	0.04	0.16	0.044	0.11	19.0	17.0	0.33	454	7.34	<0.01
YY13628		0.78	11.4	1.54	3.33	<0.05	<0.02	0.13	0.044	0.07	14.7	7.3	0.16	82	6.53	<0.01
YY13629		0.83	14.6	1.80	3.36	<0.05	<0.02	0.09	0.084	0.13	18.7	5.7	0.15	109	8.52	<0.01
YY13630		1.50	13.4	4.37	6.34	<0.05	0.02	0.06	0.076	0.11	14.1	16.4	0.34	507	4.18	<0.01
YY13631		1.24	12.3	1.66	5.51	0.05	0.02	0.19	0.088	0.04	19.5	6.0	0.11	101	5.83	<0.01
YY13632		1.39	141.0	2.23	5.37	<0.05	<0.02	0.09	0.035	0.05	14.3	12.8	0.30	136	3.21	<0.01
YY13633		2.25	96.5	2.03	4.09	<0.05	<0.02	0.06	0.095	0.10	15.0	6.7	0.17	130	5.20	<0.01
YY13634		1.39	49.2	3.00	4.10	0.05	0.05	0.12	0.052	0.15	16.5	17.7	0.41	614	4.99	<0.01
YY13635		3.07	93.8	2.86	5.27	0.05	0.04	0.09	0.061	0.13	14.3	19.8	0.59	482	5.21	0.01
YY13636		1.85	21.8	2.71	4.55	<0.05	<0.02	0.04	0.058	0.07	12.4	13.6	0.39	396	5.39	<0.01
YY13637		1.45	30.4	2.70	4.28	0.05	0.05	0.10	0.051	0.05	17.3	16.9	0.43	359	3.18	<0.01
YY13638		1.53	12.1	2.32	4.87	<0.05	<0.02	0.02	0.054	0.05	12.5	8.2	0.23	361	5.86	<0.01
YY13639		1.80	9.8	2.02	4.85	<0.05	<0.02	0.04	0.030	0.05	9.9	12.9	0.32	241	2.79	<0.01
YY13640		2.16	20.3	3.24	5.37	<0.05	0.04	0.03	0.032	0.09	12.4	24.1	0.66	481	2.99	<0.01
YY13641		1.55	23.4	2.72	4.48	0.05	0.07	0.06	0.030	0.07	14.2	21.8	0.60	489	2.29	0.01
YY13642		1.44	22.5	2.14	3.93	<0.05	0.06	0.06	0.024	0.06	9.4	16.3	0.49	391	1.64	<0.01
YY13643		2.04	29.9	3.06	5.18	<0.05	0.07	0.09	0.031	0.08	15.2	23.9	0.95	616	2.79	0.02
YY13644		2.01	34.7	3.13	5.45	<0.05	0.06	0.13	0.032	0.07	13.6	26.3	0.85	521	2.42	0.03
YY13645		1.75	17.9	3.07	4.87	<0.05	0.04	0.04	0.030	0.06	13.3	21.0	0.55	556	1.62	<0.01
YY13646		0.53	12.6	0.98	2.01	<0.05	0.04	0.11	0.012	0.03	5.4	5.4	0.17	895	0.64	<0.01
YY13647		1.04	16.5	3.11	6.12	<0.05	0.05	0.17	0.037	0.03	11.8	16.7	0.22	191	4.87	<0.01
YY13648		1.17	20.9	2.45	5.24	<0.05	<0.02	0.13	0.034	0.04	13.2	14.1	0.37	298	9.16	<0.01
YY13649		1.17	29.9	2.77	5.65	<0.05	0.02	0.28	0.049	0.05	19.2	14.8	0.45	253	16.50	<0.01
YY13650		1.51	17.2	2.77	6.48	<0.05	<0.02	0.15	0.033	0.06	14.8	11.3	0.26	249	18.45	<0.01
YY13651		1.54	16.6	2.97	5.58	0.07	<0.02	0.32	0.101	0.14	16.7	11.4	0.26	215	14.30	<0.01
YY13652		1.06	20.4	2.54	4.81	<0.05	0.03	0.08	0.047	0.05	16.2	13.8	0.40	198	3.04	<0.01
YY13653		0.98	33.2	2.67	5.11	0.06	0.05	0.21	0.156	0.14	22.7	12.9	0.34	451	6.65	<0.01
YY13654		1.33	20.6	3.40	5.63	<0.05	0.02	0.08	0.059	0.05	13.7	17.9	0.38	312	2.95	<0.01
YY13655		1.21	37.2	2.97	4.50	0.05	0.05	0.11	0.085	0.08	19.5	12.6	0.35	764	5.44	<0.01
YY13656		3.65	20.7	2.28	4.74	<0.05	<0.02	0.08	0.151	0.09	14.6	12.6	0.32	253	3.48	<0.01
YY13657		1.19	23.4	2.56	3.48	<0.05	0.03	0.14	0.031	0.13	16.8	17.0	0.38	389	6.44	<0.01
YY13658		1.40	10.6	2.57	4.92	<0.05	<0.02	0.03	0.026	0.06	11.6	7.9	0.20	292	4.99	<0.01
YY13659		2.58	31.2	3.16	5.81	<0.05	0.04	0.06	0.050	0.12	13.8	22.2	0.61	436	4.73	0.01
YY13660		1.69	13.3	2.25	4.71	<0.05	<0.02	0.05	0.024	0.07	11.4	14.6	0.39	288	3.67	<0.01

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13621		1.02	18.8	870	30.9	11.0	0.002	0.05	2.92	2.4	3.7	1.2	20.6	<0.01	0.08	1.3
YY13622		0.81	9.4	470	47.6	6.9	0.001	0.04	5.83	1.1	3.2	8.8	17.8	<0.01	0.12	0.3
YY13623		0.57	17.6	840	25.3	12.0	0.001	0.06	2.68	1.5	2.2	4.2	20.4	<0.01	0.10	0.4
YY13624		0.78	13.2	590	33.7	6.2	0.001	0.04	3.30	1.2	2.0	9.6	16.4	<0.01	0.09	0.3
YY13625		2.16	20.5	2030	53.2	26.0	0.001	0.56	11.45	4.5	5.0	3.5	70.5	0.01	0.12	6.9
YY13626		0.86	17.2	870	28.0	11.8	0.001	0.04	3.09	1.9	2.3	1.8	33.0	<0.01	0.08	0.6
YY13627		0.39	20.9	650	53.3	13.1	<0.001	0.03	4.66	2.7	3.2	2.9	15.7	<0.01	0.10	2.1
YY13628		0.15	8.1	710	50.0	7.4	<0.001	0.03	4.48	0.7	3.0	3.8	14.4	<0.01	0.09	0.3
YY13629		0.24	10.8	600	82.4	10.8	<0.001	0.08	7.26	1.4	4.5	4.0	22.6	<0.01	0.13	1.1
YY13630		0.55	18.4	1230	67.8	14.2	<0.001	0.04	3.25	1.8	2.7	2.4	15.9	<0.01	0.10	0.8
YY13631		0.83	6.7	730	177.5	8.4	<0.001	0.04	3.02	2.2	5.4	1.9	24.6	0.01	0.08	2.7
YY13632		0.43	14.6	690	23.0	8.4	<0.001	0.03	2.62	1.0	2.1	1.1	13.7	<0.01	0.06	0.3
YY13633		0.12	10.8	1230	52.0	15.8	<0.001	0.07	3.17	0.5	2.8	3.5	23.1	<0.01	0.10	0.2
YY13634		0.50	33.3	940	43.7	13.8	<0.001	0.04	3.81	3.1	2.5	1.1	21.6	<0.01	0.10	3.2
YY13635		0.44	49.0	1220	45.1	18.1	0.001	0.06	4.09	3.4	1.5	1.4	39.8	<0.01	0.09	2.4
YY13636		0.26	29.8	1000	50.1	11.1	<0.001	0.04	3.95	1.0	2.5	1.8	21.5	<0.01	0.08	0.3
YY13637		0.70	31.5	840	34.4	10.5	<0.001	0.02	2.62	3.9	1.5	0.9	17.6	<0.01	0.07	2.7
YY13638		0.61	16.7	480	50.5	10.0	<0.001	0.04	3.92	1.2	2.1	2.0	17.7	<0.01	0.08	0.8
YY13639		0.38	13.4	1050	18.9	13.2	<0.001	0.03	0.85	1.0	0.9	0.7	15.3	<0.01	0.05	0.3
YY13640		0.65	37.0	1100	21.1	18.0	<0.001	0.03	1.10	2.6	0.7	0.5	21.8	<0.01	0.06	1.9
YY13641		0.57	36.5	870	28.2	12.4	0.001	0.03	1.29	3.3	0.5	0.5	26.6	<0.01	0.05	2.3
YY13642		0.44	24.8	970	16.6	11.1	<0.001	0.09	0.91	1.9	0.7	0.3	31.7	<0.01	0.05	1.0
YY13643		0.60	43.8	680	35.9	13.8	0.001	0.03	1.38	4.2	0.6	0.6	24.8	<0.01	0.06	2.9
YY13644		0.49	43.2	880	28.3	14.9	<0.001	0.03	1.30	4.0	0.6	0.5	32.8	<0.01	0.05	2.5
YY13645		0.68	36.5	700	27.0	12.6	<0.001	0.02	1.03	3.5	0.4	0.5	17.7	<0.01	0.04	2.3
YY13646		0.41	12.3	1160	9.9	3.5	<0.001	0.15	0.55	0.6	0.8	0.2	39.4	<0.01	0.03	0.2
YY13647		1.33	18.6	390	20.4	6.8	0.001	0.01	1.53	2.9	1.7	0.8	8.6	0.01	0.07	3.5
YY13648		0.90	21.3	640	20.6	7.6	0.002	0.03	2.66	2.4	2.0	0.8	17.0	<0.01	0.08	1.3
YY13649		0.86	23.6	700	100.5	8.9	0.002	0.03	8.82	4.2	2.1	4.3	19.6	<0.01	0.11	2.4
YY13650		0.63	14.4	670	41.7	10.4	0.001	0.05	5.71	1.2	5.3	2.4	12.4	<0.01	0.12	0.4
YY13651		0.57	12.1	950	161.5	13.8	0.001	0.25	12.35	1.5	17.7	12.4	21.5	<0.01	0.15	0.9
YY13652		0.85	19.1	540	31.5	7.3	0.001	0.01	3.67	3.8	1.9	1.0	12.5	<0.01	0.07	3.0
YY13653		0.32	28.1	820	94.2	11.5	<0.001	0.06	6.28	5.0	7.1	3.1	25.4	<0.01	0.10	3.9
YY13654		0.81	22.5	940	27.1	8.3	0.001	0.02	2.78	2.3	3.4	0.8	13.6	<0.01	0.07	1.2
YY13655		0.59	28.5	980	41.5	10.2	<0.001	0.03	5.06	3.7	3.5	1.6	19.5	<0.01	0.09	2.4
YY13656		0.14	17.7	1680	124.5	12.6	0.001	0.05	3.13	0.5	2.7	3.5	22.5	<0.01	0.06	<0.2
YY13657		0.29	27.4	720	30.8	10.9	<0.001	0.04	3.37	2.7	2.4	0.4	19.4	<0.01	0.09	2.5
YY13658		0.27	13.1	660	26.4	11.0	<0.001	0.03	2.22	0.5	1.6	1.4	10.6	<0.01	0.08	<0.2
YY13659		0.46	35.8	930	27.0	18.0	<0.001	0.05	1.58	3.1	1.1	0.7	34.5	<0.01	0.06	2.6
YY13660		0.26	18.7	1180	17.4	12.1	<0.001	0.04	1.03	0.9	1.0	0.5	19.2	<0.01	0.05	0.3

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Finalized Date: 8- OCT- 2018
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CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13621		0.028	0.41	1.40	59	0.32	4.38	68	1.0
YY13622		0.038	0.20	1.19	61	0.71	2.31	38	<0.5
YY13623		0.026	0.41	1.84	56	0.85	4.34	63	<0.5
YY13624		0.033	0.20	1.10	63	0.60	2.74	45	<0.5
YY13625		0.097	1.09	7.56	74	0.38	6.04	59	4.0
YY13626		0.031	0.48	2.87	68	0.43	5.05	67	<0.5
YY13627		0.011	0.44	1.12	46	0.35	6.95	76	1.2
YY13628		0.011	0.32	1.18	38	0.29	3.39	31	<0.5
YY13629		0.011	0.50	1.31	45	0.34	3.81	55	<0.5
YY13630		0.019	0.33	1.10	72	0.32	4.48	88	0.5
YY13631		0.026	0.90	2.49	55	0.29	4.33	25	0.6
YY13632		0.022	0.28	1.72	49	0.30	3.34	52	<0.5
YY13633		0.010	0.75	2.74	52	0.33	4.19	59	<0.5
YY13634		0.016	0.40	1.49	52	0.22	7.70	110	1.6
YY13635		0.024	0.50	3.20	55	0.25	10.45	213	1.1
YY13636		0.020	0.41	1.03	51	0.47	4.64	161	<0.5
YY13637		0.027	0.25	1.85	46	0.31	11.70	99	1.5
YY13638		0.032	0.29	0.77	53	0.30	2.87	78	<0.5
YY13639		0.016	0.29	0.99	42	0.27	3.24	69	<0.5
YY13640		0.027	0.29	1.15	47	0.20	5.74	151	1.2
YY13641		0.025	0.24	1.40	40	0.53	11.95	146	2.1
YY13642		0.015	0.19	1.09	30	0.15	8.47	123	1.8
YY13643		0.025	0.36	1.24	46	0.24	16.00	193	2.3
YY13644		0.023	0.35	1.21	44	0.17	13.75	161	1.9
YY13645		0.021	0.23	0.89	46	1.73	10.30	159	1.3
YY13646		0.011	0.10	0.86	15	0.06	8.06	96	1.4
YY13647		0.028	0.25	0.82	59	0.27	3.41	53	1.9
YY13648		0.035	0.25	1.66	54	0.35	4.11	64	0.5
YY13649		0.040	0.33	2.93	53	0.52	8.30	74	0.8
YY13650		0.030	0.31	1.43	70	0.64	2.91	55	<0.5
YY13651		0.027	0.90	3.51	63	0.79	3.06	49	<0.5
YY13652		0.029	0.18	1.58	46	0.24	6.36	65	1.0
YY13653		0.010	0.45	1.64	47	0.29	10.20	105	1.6
YY13654		0.026	0.22	1.53	54	0.27	5.05	70	0.5
YY13655		0.023	0.34	2.47	50	0.33	9.54	96	1.5
YY13656		0.008	0.43	2.45	67	0.22	7.04	97	<0.5
YY13657		0.010	0.35	0.93	42	0.16	9.18	106	0.9
YY13658		0.016	0.28	0.67	49	0.25	2.38	73	<0.5
YY13659		0.018	0.44	1.86	51	0.30	7.91	136	0.9
YY13660		0.014	0.29	1.09	42	0.20	4.25	87	<0.5

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CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY13661		0.34	0.001	0.53	1.62	17.3	<0.02	<10	450	0.65	0.28	0.59	0.88	26.0	10.2	24
YY13662		0.54	0.001	0.33	2.12	27.0	<0.02	<10	320	1.03	0.26	1.17	1.21	24.7	13.0	31
YY13663		0.51	<0.001	0.24	2.36	22.8	<0.02	<10	290	0.99	0.29	1.58	1.01	23.4	12.7	31
YY13664		0.39	<0.001	0.40	1.81	19.5	<0.02	<10	550	0.96	0.22	1.10	1.77	24.1	11.0	28
YY13665		0.71	<0.001	0.22	2.70	24.4	<0.02	<10	260	1.26	0.28	0.43	0.70	29.8	18.0	36
YY13666		0.67	<0.001	0.15	3.01	20.2	<0.02	<10	300	1.25	0.29	0.33	0.52	27.5	13.6	40
YY13667		0.65	<0.001	0.09	2.91	21.9	<0.02	<10	290	1.28	0.27	0.15	0.39	32.4	16.8	38
YY13668		0.52	<0.001	0.10	1.72	12.2	<0.02	<10	140	0.59	0.22	0.14	0.17	29.9	7.5	28
YY13669		0.38	0.001	0.16	2.03	17.2	<0.02	<10	200	0.85	0.28	0.49	0.76	29.6	13.7	30
YY13670		0.40	0.011	1.10	1.57	36.5	<0.02	<10	560	0.60	2.40	0.08	0.39	27.8	8.6	28
YY13671		0.40	0.048	1.18	1.24	49.9	0.03	<10	360	0.49	8.39	0.04	0.21	31.6	5.3	21
YY13672		0.43	0.005	4.70	1.23	44.2	<0.02	<10	140	0.20	0.98	0.05	0.24	29.7	4.3	21
YY13673		0.29	0.001	6.01	1.75	57.6	<0.02	<10	150	0.39	0.31	0.13	0.61	35.5	5.5	29
YY13674		0.44	0.009	14.55	2.68	26.6	<0.02	<10	200	0.65	0.36	0.05	0.34	30.7	9.1	37
YY13675		0.39	<0.001	0.86	1.11	27.4	<0.02	<10	130	0.24	0.39	0.02	0.17	26.9	3.8	25
YY13676		0.42	0.003	2.03	1.45	20.0	<0.02	<10	500	0.61	0.26	0.12	0.43	37.8	8.0	25
YY13677		0.28	0.003	1.08	1.45	27.6	<0.02	<10	770	0.51	0.29	0.14	0.44	36.8	6.7	24
YY13678		0.51	<0.001	0.15	1.75	22.5	<0.02	<10	410	0.74	0.25	0.15	0.57	32.7	10.0	26
YY13679		0.58	0.002	0.33	1.55	21.9	<0.02	<10	420	0.61	0.24	0.20	1.17	32.8	9.2	24
YY13680		0.36	<0.001	0.08	1.65	16.1	<0.02	<10	230	0.52	0.27	0.13	0.45	26.7	9.8	26
YY13681		0.39	0.001	0.09	2.44	30.1	<0.02	<10	190	0.86	0.28	0.10	0.79	37.3	13.2	34
YY13682		0.52	0.002	0.13	3.21	24.8	<0.02	<10	330	1.37	0.31	0.39	0.49	31.8	14.6	42
YY13683		0.53	0.001	0.05	3.30	24.0	<0.02	<10	290	1.26	0.33	0.18	0.25	31.6	17.1	42
YY13684		0.61	<0.001	0.04	3.80	24.7	<0.02	<10	240	1.66	0.34	0.14	0.43	32.4	19.6	47
YY13685		0.58	0.005	0.19	2.78	18.8	<0.02	<10	240	1.11	0.27	0.68	1.07	32.9	15.0	39
YY13686		0.40	0.001	0.11	2.69	18.5	<0.02	<10	250	1.00	0.26	0.23	0.42	33.7	15.3	37
YY13687		0.41	0.005	0.14	5.09	49.2	<0.02	<10	160	1.82	0.33	0.68	0.80	15.30	23.1	48

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY13661		1.66	22.0	2.67	4.58	<0.05	0.07	0.09	0.030	0.10	14.0	17.3	0.44	609	4.46	<0.01
YY13662		2.21	36.6	3.55	5.36	<0.05	0.11	0.08	0.030	0.12	14.5	30.4	1.03	513	4.09	0.04
YY13663		2.94	35.7	3.49	5.96	0.05	0.12	0.05	0.027	0.15	13.1	35.6	1.05	456	3.30	0.04
YY13664		1.87	33.9	2.95	4.52	<0.05	0.08	0.08	0.029	0.08	15.8	21.8	0.55	438	2.63	0.01
YY13665		3.12	32.3	3.99	6.81	0.05	0.04	0.04	0.031	0.11	15.1	38.7	0.95	639	4.26	0.01
YY13666		3.26	29.2	3.74	8.31	<0.05	0.05	0.05	0.032	0.13	14.3	37.7	0.92	616	4.45	0.02
YY13667		2.84	33.0	3.82	7.13	<0.05	0.08	0.07	0.034	0.13	16.1	37.9	0.85	599	3.74	0.01
YY13668		2.04	15.6	2.71	5.42	<0.05	0.03	0.03	0.018	0.07	15.4	24.4	0.60	284	2.28	<0.01
YY13669		2.23	26.0	3.42	6.06	0.05	0.07	0.05	0.022	0.08	15.5	26.0	0.69	517	2.32	0.03
YY13670		1.68	22.7	3.09	5.65	<0.05	<0.02	0.10	0.062	0.12	14.9	9.3	0.24	882	6.82	<0.01
YY13671		1.15	17.4	2.69	3.97	0.05	0.02	0.06	0.046	0.14	18.2	13.1	0.27	268	7.36	<0.01
YY13672		1.81	12.1	2.41	6.24	<0.05	<0.02	0.06	0.143	0.06	16.8	7.3	0.16	255	3.83	<0.01
YY13673		2.19	15.0	3.08	5.90	0.05	<0.02	0.14	0.028	0.06	19.8	14.6	0.31	222	3.50	<0.01
YY13674		1.49	23.7	4.24	4.26	<0.05	0.13	0.23	0.076	0.08	15.7	25.7	0.43	411	4.56	<0.01
YY13675		1.68	19.9	4.36	6.96	<0.05	0.02	0.11	0.033	0.09	14.7	7.7	0.18	201	10.95	<0.01
YY13676		1.24	25.2	2.64	3.87	0.05	0.02	0.24	0.042	0.13	20.8	14.0	0.35	352	3.97	<0.01
YY13677		1.75	20.6	2.79	4.06	<0.05	<0.02	0.21	0.034	0.11	19.9	17.5	0.36	322	10.80	<0.01
YY13678		1.96	20.9	3.02	4.49	<0.05	0.02	0.07	0.036	0.12	19.1	20.2	0.45	517	4.17	<0.01
YY13679		1.77	24.7	2.80	4.29	<0.05	0.02	0.10	0.035	0.11	18.2	17.0	0.42	472	4.76	0.01
YY13680		2.24	13.6	2.75	4.97	<0.05	<0.02	0.04	0.026	0.08	14.1	17.5	0.37	676	3.66	<0.01
YY13681		3.01	23.4	3.61	5.82	<0.05	0.05	0.04	0.030	0.09	17.6	29.9	0.65	466	2.48	<0.01
YY13682		4.18	31.5	4.02	7.36	0.05	0.08	0.03	0.033	0.12	17.4	40.6	1.04	549	3.64	0.02
YY13683		4.12	28.6	4.29	7.67	<0.05	0.03	0.02	0.028	0.12	16.5	49.9	1.09	533	4.35	0.01
YY13684		4.94	33.5	4.54	8.65	0.05	0.04	0.03	0.029	0.16	16.5	55.3	1.23	557	4.69	0.01
YY13685		3.56	34.4	3.63	6.98	0.06	0.06	0.05	0.029	0.14	17.6	40.2	1.05	582	3.13	0.05
YY13686		3.04	28.1	3.52	6.55	0.05	0.04	0.05	0.028	0.11	17.3	33.9	0.85	535	3.56	0.01
YY13687		8.52	30.7	4.84	13.20	0.07	0.07	0.04	0.060	0.58	8.5	54.0	1.72	1620	9.48	0.05

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

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

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY13661		0.41	28.1	1210	24.1	13.6	0.001	0.04	1.66	2.4	1.5	0.5	25.5	<0.01	0.05	1.8
YY13662		0.35	47.1	930	25.7	15.7	<0.001	0.05	1.67	3.9	1.0	0.4	38.0	<0.01	0.06	4.3
YY13663		0.43	44.9	1120	23.4	21.7	<0.001	0.05	1.39	3.9	0.8	0.5	48.8	<0.01	0.03	4.8
YY13664		0.48	44.5	1200	22.9	14.1	<0.001	0.06	1.43	2.6	0.9	0.4	30.7	<0.01	0.04	1.9
YY13665		0.40	50.7	1070	25.9	18.9	<0.001	0.04	1.25	4.4	0.8	0.5	35.3	<0.01	0.05	4.5
YY13666		0.45	39.8	1290	26.0	24.9	<0.001	0.05	0.83	4.4	0.5	0.6	36.9	<0.01	0.05	2.7
YY13667		0.54	45.8	870	27.6	19.2	<0.001	0.05	1.03	5.3	0.7	0.5	28.2	<0.01	0.05	6.4
YY13668		0.61	23.8	690	17.6	14.0	<0.001	0.02	0.68	2.5	0.4	0.4	18.7	<0.01	0.03	2.7
YY13669		0.68	37.3	1050	24.5	13.1	<0.001	0.04	1.05	4.0	0.7	0.5	32.1	<0.01	0.04	5.6
YY13670		0.23	17.9	1820	68.4	16.9	<0.001	0.08	5.02	1.1	3.6	4.7	22.0	<0.01	0.15	0.3
YY13671		0.42	17.4	650	72.9	12.8	<0.001	0.09	7.35	2.0	4.6	5.7	15.5	<0.01	0.14	2.3
YY13672		0.91	9.5	1280	24.8	13.3	<0.001	0.03	3.14	1.8	3.2	1.7	14.1	<0.01	0.09	1.7
YY13673		0.49	14.5	2310	17.7	12.2	<0.001	0.02	3.12	1.4	3.2	0.6	25.1	<0.01	0.13	0.5
YY13674		0.86	31.3	590	82.6	12.4	<0.001	0.02	3.53	3.6	2.4	1.0	10.3	<0.01	0.14	6.1
YY13675		1.22	13.9	530	33.4	11.2	<0.001	0.04	2.79	1.6	4.2	0.8	9.6	<0.01	0.13	2.1
YY13676		0.55	24.1	1120	28.8	12.5	<0.001	0.03	3.83	3.1	3.6	0.5	20.0	<0.01	0.11	2.0
YY13677		0.35	25.7	680	41.6	12.6	0.001	0.06	5.14	1.8	3.6	0.5	21.6	<0.01	0.14	1.0
YY13678		0.22	37.0	980	26.9	15.3	<0.001	0.04	1.88	1.5	0.9	0.5	16.4	<0.01	0.05	0.8
YY13679		0.45	29.8	720	27.4	14.4	<0.001	0.02	2.20	2.7	1.3	0.5	18.8	<0.01	0.06	2.3
YY13680		0.30	20.9	1040	45.2	13.9	<0.001	0.02	0.87	1.2	1.0	0.5	16.6	<0.01	0.05	0.6
YY13681		0.73	39.5	720	26.5	18.8	<0.001	0.03	1.00	3.3	0.7	0.6	17.7	<0.01	0.04	5.0
YY13682		0.65	47.6	1340	21.5	21.1	<0.001	0.05	0.97	5.1	0.6	0.6	34.3	<0.01	0.04	6.1
YY13683		0.33	49.1	1070	21.7	23.8	<0.001	0.06	0.88	3.2	0.4	0.6	30.4	<0.01	0.03	2.8
YY13684		0.74	55.4	900	19.4	24.3	<0.001	0.08	0.93	4.8	0.6	0.7	42.8	<0.01	0.04	5.5
YY13685		0.51	46.5	1200	32.1	18.8	<0.001	0.03	1.14	5.4	0.9	0.5	53.4	<0.01	0.04	6.6
YY13686		0.49	41.9	1180	21.6	19.4	<0.001	0.04	0.92	3.4	0.5	0.5	28.9	<0.01	0.03	2.6
YY13687		1.66	53.3	1790	26.0	56.3	0.001	0.14	1.08	8.0	1.7	0.8	71.1	<0.01	0.05	4.8

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

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VANCOUVER BC V6B 1L8

Finalized Date: 8- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217195

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY13661		0.013	0.30	1.62	45	0.28	8.62	109	1.7
YY13662		0.018	0.33	1.78	40	0.09	13.05	152	4.1
YY13663		0.022	0.37	1.64	42	0.11	10.35	154	4.3
YY13664		0.018	0.25	1.26	36	0.16	15.65	158	2.5
YY13665		0.027	0.40	1.58	48	0.10	11.20	137	1.4
YY13666		0.030	0.42	2.28	57	0.15	9.91	113	1.4
YY13667		0.027	0.40	1.88	50	0.14	10.25	110	3.5
YY13668		0.023	0.20	0.94	40	0.14	5.64	71	0.5
YY13669		0.026	0.29	1.25	44	0.13	10.15	110	2.4
YY13670		0.009	0.43	1.48	63	0.37	4.90	93	<0.5
YY13671		0.013	0.43	0.74	49	0.76	3.25	76	0.5
YY13672		0.031	0.30	0.75	65	0.35	2.33	61	<0.5
YY13673		0.027	0.53	2.10	67	0.34	5.02	85	<0.5
YY13674		0.019	0.36	1.10	49	0.21	4.16	120	5.2
YY13675		0.041	0.62	0.70	81	0.29	2.18	82	0.9
YY13676		0.022	0.34	1.44	52	0.21	10.00	96	0.6
YY13677		0.015	0.63	1.01	48	0.20	5.84	101	0.5
YY13678		0.012	0.41	1.40	47	0.14	9.22	126	0.7
YY13679		0.019	0.41	1.19	49	0.19	8.80	117	0.8
YY13680		0.013	0.29	1.09	47	0.15	4.90	98	<0.5
YY13681		0.028	0.33	1.07	47	0.15	6.86	106	1.5
YY13682		0.042	0.48	1.94	54	0.17	11.25	110	2.9
YY13683		0.028	0.50	1.72	52	0.09	6.69	113	1.0
YY13684		0.052	0.57	2.36	55	0.14	9.10	125	1.7
YY13685		0.053	0.42	1.78	53	0.10	11.25	131	2.5
YY13686		0.033	0.36	1.85	49	0.14	8.82	123	1.2
YY13687		0.119	0.78	7.09	84	0.20	8.17	211	3.3

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

Project: RAU(BOBCAT ZONE)

Finalized Date: 8- OCT- 2018
Account: RCM

CERTIFICATE OF ANALYSIS WH18217195

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- ICP21 ME- MS41

ALS Canada Ltd.

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To: **ATAC RESOURCES LTD.**
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1016- 510 W HASTINGS ST
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Finalized Date: 10- OCT- 2018
Account: RCM

CERTIFICATE WH18217205

Project: RAU(BOBCAT ZONE)

This report is for 217 Soil samples submitted to our lab in Whitehorse, YT, Canada on 3- SEP- 2018.

The following have access to data associated with this certificate:

ANDREW CARNE	JULIA LANE	

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- MS41	Ultra Trace Aqua Regia ICP- MS	

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

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

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

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Finalized Date: 10- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY14501		0.50	<0.001	0.38	0.91	9.1	<0.02	<10	270	0.48	0.27	1.03	0.74	12.70	4.5	20
YY14502		0.64	<0.001	0.44	1.02	9.1	<0.02	<10	290	0.60	0.25	2.12	0.96	14.05	4.9	26
YY14503		0.66	<0.001	0.44	0.96	8.8	<0.02	<10	330	0.48	0.28	1.13	1.45	15.75	5.3	22
YY14504		0.43	<0.001	0.53	1.14	7.9	<0.02	<10	360	0.57	0.35	0.76	1.65	18.20	6.5	25
YY14505		0.49	<0.001	0.42	0.93	10.0	<0.02	<10	270	0.47	0.32	0.70	1.07	16.05	5.9	21
YY14506		0.57	<0.001	0.48	0.91	10.3	<0.02	<10	240	0.55	0.40	5.23	1.32	19.60	7.3	22
YY14507		0.73	<0.001	0.45	0.91	12.5	<0.02	<10	380	0.51	0.74	3.85	1.56	18.45	7.1	20
YY14508		0.53	0.003	0.41	0.92	20.3	<0.02	<10	340	0.47	0.43	2.72	1.31	18.50	6.8	21
YY14509		0.82	<0.001	0.35	0.81	14.9	<0.02	<10	320	0.47	0.57	5.33	1.21	14.75	6.7	17
YY14510		0.48	<0.001	0.57	1.28	10.2	<0.02	<10	390	0.64	0.44	0.76	1.49	22.9	8.2	28
YY14511		0.82	<0.001	0.38	0.89	13.3	<0.02	<10	360	0.45	0.28	5.80	1.49	17.80	6.8	20
YY14512		0.82	<0.001	0.49	1.13	14.7	<0.02	<10	380	0.57	0.42	0.77	1.44	21.7	8.9	26
YY14513		0.80	<0.001	0.43	1.06	13.3	<0.02	<10	340	0.54	0.40	3.21	1.13	20.5	7.4	24
YY14514		0.77	<0.001	0.49	1.11	14.1	<0.02	<10	380	0.54	4.40	2.32	1.44	21.3	7.8	27
YY14515		0.71	<0.001	0.50	1.19	12.7	<0.02	<10	360	0.61	0.48	1.31	1.16	20.7	7.7	27
YY14516		0.54	<0.001	0.57	1.08	9.7	<0.02	<10	350	0.57	0.31	1.14	1.51	16.75	6.1	22
YY14517		0.78	<0.001	0.60	1.13	10.1	<0.02	<10	290	0.57	0.32	0.79	1.52	17.95	6.4	25
YY14518		0.68	<0.001	0.51	1.08	9.4	<0.02	<10	290	0.54	0.30	0.81	1.13	16.45	5.0	23
YY14519		0.66	<0.001	0.46	0.93	12.0	<0.02	<10	260	0.47	0.28	3.44	1.27	17.00	6.4	21
YY14520		0.72	<0.001	0.49	1.10	11.6	<0.02	<10	250	0.56	0.35	1.51	1.64	17.75	6.2	24
YY14521		0.82	<0.001	0.47	0.88	9.4	<0.02	<10	240	0.45	0.22	3.39	1.09	12.95	4.8	21
YY14522		0.62	<0.001	0.52	1.07	13.2	<0.02	<10	380	0.54	0.29	0.95	1.64	17.00	6.3	27
YY14523		0.75	<0.001	0.52	0.98	11.2	<0.02	<10	330	0.46	0.28	1.12	1.16	17.45	6.1	25
YY14524		0.82	<0.001	0.56	1.20	11.5	<0.02	<10	320	0.55	0.32	0.74	1.41	19.95	7.6	29
YY14525		0.84	<0.001	0.58	1.11	11.2	<0.02	<10	300	0.59	0.36	0.74	1.25	19.35	7.0	27
YY14526		0.64	<0.001	0.47	1.13	13.0	<0.02	<10	370	0.53	0.67	2.62	1.38	19.95	8.0	26
YY14527		0.82	<0.001	0.51	1.10	12.9	<0.02	<10	330	0.56	0.44	2.67	1.41	21.1	8.5	28
YY14528		0.77	<0.001	0.52	1.20	14.8	<0.02	<10	350	0.58	0.40	1.69	1.63	21.7	8.0	29
YY14529		0.72	<0.001	0.48	1.06	11.8	<0.02	<10	370	0.52	0.42	1.09	1.35	21.0	6.4	24
YY14530		0.53	0.002	0.40	0.99	15.8	<0.02	<10	360	0.54	0.47	2.49	1.56	21.1	8.2	21
YY14531		0.72	<0.001	0.37	0.96	16.8	<0.02	<10	380	0.41	0.39	4.39	1.43	22.4	8.9	20
YY14532		0.80	0.002	10.70	1.07	29.2	<0.02	<10	330	0.43	21.1	4.45	1.43	21.2	8.0	23
YY14533		0.66	0.002	0.50	1.15	11.1	<0.02	<10	370	0.48	0.43	0.80	1.13	21.1	7.0	27
YY14534		0.73	0.002	0.53	1.17	15.3	<0.02	<10	420	0.52	1.12	2.28	1.57	24.1	8.0	25
YY14535		0.51	<0.001	0.54	1.16	12.3	<0.02	<10	360	0.49	0.36	0.92	1.23	19.25	7.1	26
YY14536		0.37	0.001	0.53	1.12	10.2	<0.02	<10	340	0.46	0.32	1.06	0.86	19.15	6.5	25
YY14537		0.85	<0.001	0.52	1.10	11.1	<0.02	<10	320	0.43	0.43	1.89	1.19	20.7	6.9	26
YY14538		0.63	<0.001	0.47	0.97	11.2	<0.02	<10	360	0.47	0.27	3.31	1.46	18.70	6.5	23
YY14539		0.51	<0.001	0.46	0.97	15.9	<0.02	<10	310	0.45	0.23	1.29	1.43	16.70	5.6	20
YY14540		0.98	<0.001	0.45	1.03	11.4	<0.02	<10	380	0.43	0.21	2.95	1.37	16.40	5.8	22

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

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To: **ATAC RESOURCES LTD.**
C/ O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016- 510 W HASTINGS ST
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Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY14501		0.95	19.3	1.63	2.64	<0.05	0.04	0.04	0.022	0.03	8.1	12.0	0.34	295	2.63	0.01
YY14502		1.12	20.6	1.84	3.09	<0.05	0.05	0.03	0.029	0.03	8.5	13.9	0.52	127	4.80	0.01
YY14503		0.94	23.4	1.72	2.70	<0.05	0.05	0.04	0.028	0.04	9.3	11.6	0.52	97	4.48	0.01
YY14504		1.17	23.7	1.69	3.24	<0.05	0.05	0.05	0.031	0.05	10.8	13.6	0.33	154	4.18	0.01
YY14505		0.95	18.0	1.80	2.68	<0.05	0.04	0.05	0.029	0.04	9.5	11.1	0.27	414	5.86	0.01
YY14506		1.23	27.7	1.74	2.55	<0.05	0.13	0.04	0.035	0.07	11.3	12.0	0.67	348	3.73	0.01
YY14507		1.18	26.4	2.06	2.63	<0.05	0.05	0.04	0.038	0.07	10.4	11.8	0.91	562	3.62	0.01
YY14508		1.04	23.0	2.35	2.63	<0.05	0.06	0.04	0.032	0.07	10.8	11.8	0.77	248	2.15	0.01
YY14509		1.06	22.3	1.94	2.39	<0.05	0.05	0.03	0.036	0.06	8.5	11.0	1.85	570	2.51	0.01
YY14510		1.28	31.0	2.41	3.61	0.05	0.07	0.05	0.037	0.07	13.8	15.5	0.46	296	3.68	0.01
YY14511		1.12	21.0	1.92	2.51	<0.05	0.06	0.04	0.031	0.07	10.7	12.2	0.90	483	2.42	0.01
YY14512		1.10	25.4	2.45	3.17	<0.05	0.05	0.05	0.032	0.06	12.6	13.8	0.44	408	6.01	0.01
YY14513		1.07	28.8	2.20	3.00	<0.05	0.06	0.04	0.033	0.07	12.2	13.6	0.69	435	3.30	0.01
YY14514		1.26	27.2	2.36	3.11	<0.05	0.06	0.04	0.036	0.07	12.7	13.7	0.85	584	3.67	0.01
YY14515		1.15	28.8	2.27	3.32	<0.05	0.06	0.05	0.036	0.06	11.9	12.8	0.75	438	4.50	0.01
YY14516		1.04	23.2	1.90	2.95	<0.05	0.04	0.06	0.031	0.05	10.1	11.5	0.30	726	5.31	0.01
YY14517		1.12	26.8	2.05	3.14	<0.05	0.05	0.05	0.033	0.05	11.3	13.4	0.34	405	5.04	0.01
YY14518		1.03	20.6	1.86	3.01	<0.05	0.05	0.05	0.030	0.05	9.9	13.1	0.30	292	4.58	0.01
YY14519		1.04	24.1	2.04	2.72	<0.05	0.06	0.04	0.031	0.06	10.0	11.2	0.59	336	5.53	0.01
YY14520		1.27	24.3	2.04	3.15	<0.05	0.05	0.04	0.030	0.05	10.8	12.3	0.64	460	3.65	0.01
YY14521		0.86	17.8	1.68	2.57	<0.05	0.06	0.03	0.026	0.04	8.3	11.7	0.66	310	4.09	0.01
YY14522		1.05	26.2	2.30	3.04	<0.05	0.06	0.04	0.032	0.05	10.2	12.8	0.44	623	6.22	0.01
YY14523		1.00	23.3	2.07	2.75	<0.05	0.05	0.04	0.031	0.05	10.6	11.5	0.49	433	5.70	0.01
YY14524		1.11	23.3	2.13	3.31	<0.05	0.06	0.05	0.035	0.06	12.0	14.8	0.40	349	6.39	0.01
YY14525		1.08	29.5	2.10	3.09	<0.05	0.05	0.05	0.035	0.06	11.8	13.3	0.37	458	6.35	0.01
YY14526		1.48	31.3	2.30	3.27	<0.05	0.06	0.05	0.032	0.07	11.5	13.9	1.23	616	4.86	0.01
YY14527		1.16	29.3	2.29	3.13	<0.05	0.07	0.04	0.034	0.08	12.7	14.3	0.60	452	4.32	0.01
YY14528		1.26	29.2	2.54	3.35	<0.05	0.07	0.05	0.036	0.07	13.2	15.0	0.52	590	4.64	0.01
YY14529		1.05	27.8	2.04	3.15	<0.05	0.06	0.05	0.037	0.05	13.0	14.6	0.54	418	4.09	0.01
YY14530		1.10	26.4	2.17	3.01	<0.05	0.06	0.05	0.033	0.06	12.0	12.1	0.97	503	3.51	0.01
YY14531		1.20	31.8	2.22	2.89	0.05	0.06	0.05	0.033	0.07	12.2	11.9	1.70	469	3.23	0.01
YY14532		1.66	36.7	2.96	3.18	<0.05	0.11	0.06	0.111	0.08	12.0	10.9	1.59	735	4.15	0.02
YY14533		1.08	22.5	2.15	3.28	<0.05	0.05	0.06	0.034	0.05	13.4	12.4	0.40	349	3.63	0.01
YY14534		1.59	33.3	2.57	3.37	<0.05	0.09	0.04	0.041	0.08	14.1	12.4	0.96	550	3.47	0.01
YY14535		1.10	27.6	2.34	3.16	<0.05	0.05	0.06	0.040	0.05	11.9	11.6	0.35	751	5.93	0.01
YY14536		1.04	23.3	2.06	3.27	<0.05	0.04	0.05	0.034	0.05	11.5	12.8	0.35	456	3.17	0.01
YY14537		1.23	23.9	2.15	3.28	<0.05	0.07	0.05	0.036	0.06	12.4	12.0	0.86	361	3.51	0.01
YY14538		1.12	24.7	2.01	2.94	<0.05	0.06	0.04	0.034	0.06	11.3	12.0	0.58	384	3.08	0.01
YY14539		0.96	20.0	2.22	2.83	<0.05	0.05	0.03	0.030	0.04	9.8	10.6	0.43	338	3.78	0.01
YY14540		1.08	21.1	1.92	3.04	<0.05	0.05	0.03	0.029	0.05	10.4	11.8	0.47	343	4.06	0.01

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CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY14501		0.45	22.2	610	27.4	7.5	0.001	0.03	1.38	1.6	0.9	0.5	26.5	<0.01	0.03	1.2
YY14502		0.50	28.9	620	30.1	6.9	0.003	0.02	2.43	1.8	2.5	0.5	42.1	<0.01	0.03	2.2
YY14503		0.53	27.1	570	35.9	7.9	0.005	0.04	1.53	1.8	1.9	0.5	23.4	<0.01	0.04	2.4
YY14504		0.52	29.1	650	40.0	9.0	0.004	0.04	1.45	2.0	2.4	0.6	21.7	<0.01	0.03	1.7
YY14505		0.46	23.5	600	36.0	8.0	0.002	0.02	1.16	1.6	1.0	0.5	19.4	<0.01	0.03	1.3
YY14506		0.32	38.1	580	46.5	9.0	<0.001	<0.01	2.07	2.2	0.2	1.2	56.1	<0.01	0.03	3.9
YY14507		0.53	32.6	690	64.0	10.2	0.001	0.01	3.03	2.1	1.0	2.2	43.1	<0.01	0.05	2.3
YY14508		0.66	27.6	730	40.4	8.9	0.011	0.07	1.55	2.2	2.3	0.8	35.6	<0.01	0.03	2.9
YY14509		0.85	26.4	630	36.2	9.0	0.009	0.06	1.61	2.0	1.9	1.2	49.2	<0.01	0.03	2.4
YY14510		0.76	35.8	820	42.0	11.9	0.003	0.03	1.58	2.9	2.6	0.8	25.2	<0.01	0.04	3.2
YY14511		0.54	27.8	740	36.8	9.3	0.002	0.01	1.85	2.1	1.2	1.6	62.1	<0.01	0.03	3.0
YY14512		0.64	34.7	720	40.5	9.3	0.002	0.02	1.43	2.5	1.9	0.7	19.9	<0.01	0.03	2.7
YY14513		0.59	31.8	690	37.9	9.0	0.001	0.01	1.53	2.5	0.8	0.7	38.9	<0.01	0.04	2.9
YY14514		0.67	35.6	710	46.0	9.8	0.001	0.01	1.65	2.5	0.7	0.9	29.4	<0.01	0.04	3.0
YY14515		0.61	33.1	690	37.2	10.0	0.001	0.02	1.29	2.4	0.6	0.8	21.5	<0.01	0.04	2.1
YY14516		0.43	27.7	740	41.3	9.2	0.003	0.04	1.31	1.5	1.8	0.6	26.9	<0.01	0.03	1.0
YY14517		0.47	31.2	700	40.1	10.0	0.002	0.02	1.27	1.9	0.9	0.6	22.3	<0.01	0.03	1.5
YY14518		0.47	26.4	660	39.2	9.2	0.003	0.04	1.11	1.8	1.1	0.5	23.7	<0.01	0.03	1.5
YY14519		0.56	30.0	600	39.2	7.7	0.003	0.01	1.70	2.1	0.9	0.6	54.3	<0.01	0.04	2.8
YY14520		0.55	31.7	680	35.1	9.7	0.001	0.01	1.25	2.1	0.6	0.7	33.4	<0.01	0.04	2.1
YY14521		0.45	25.1	590	40.2	7.1	0.002	0.01	0.98	1.6	0.7	0.4	59.3	<0.01	0.03	2.1
YY14522		0.56	33.0	640	46.4	7.3	0.004	0.03	1.41	2.0	3.4	0.5	25.0	<0.01	0.04	2.7
YY14523		0.51	32.3	640	46.6	8.1	0.002	0.02	1.31	1.9	0.8	0.5	23.0	<0.01	0.04	2.6
YY14524		0.57	35.1	680	46.5	9.3	0.002	0.02	1.16	2.2	0.8	0.7	21.4	<0.01	0.03	2.4
YY14525		0.54	37.2	680	44.1	9.1	0.002	0.02	1.30	2.1	0.8	0.7	20.5	<0.01	0.04	2.0
YY14526		0.75	35.7	730	36.6	10.5	0.002	0.01	1.69	2.6	1.0	0.8	29.5	<0.01	0.04	2.6
YY14527		0.62	41.1	720	41.7	9.4	0.001	0.01	1.45	2.6	0.6	0.7	37.0	<0.01	0.04	3.0
YY14528		0.63	37.7	750	41.7	10.2	0.003	0.02	1.58	2.6	1.6	0.8	29.3	<0.01	0.04	2.8
YY14529		0.52	31.5	760	38.1	8.8	0.003	0.05	1.72	2.1	2.0	0.8	22.5	<0.01	0.04	2.1
YY14530		0.55	31.2	780	33.6	9.0	0.004	0.05	1.75	2.1	2.0	0.8	35.6	<0.01	0.03	2.2
YY14531		0.60	32.1	840	27.4	8.8	0.002	0.04	1.78	2.5	1.3	0.6	58.8	<0.01	0.04	3.2
YY14532		0.37	34.9	790	68.7	11.3	0.001	0.03	6.01	2.6	1.2	0.9	53.6	<0.01	0.06	3.7
YY14533		0.63	29.9	810	31.4	8.5	0.002	0.04	1.34	2.1	1.5	0.7	20.8	<0.01	0.03	1.9
YY14534		0.54	40.3	780	38.3	10.3	<0.001	0.03	1.90	2.6	0.7	1.2	33.3	<0.01	0.04	4.0
YY14535		0.49	30.6	710	39.6	10.2	0.003	0.06	1.42	1.7	1.8	0.6	22.5	<0.01	0.04	1.3
YY14536		0.55	28.4	720	36.8	9.9	0.002	0.05	1.27	1.7	1.4	0.6	25.3	<0.01	0.03	1.5
YY14537		0.89	33.3	710	38.1	9.7	0.002	0.06	1.44	2.1	0.8	0.7	31.7	<0.01	0.04	2.9
YY14538		0.53	31.2	630	40.1	8.7	0.001	0.06	1.48	1.8	0.8	0.6	47.8	<0.01	0.03	2.8
YY14539		0.49	26.8	660	38.7	7.0	0.006	0.10	1.32	1.6	1.8	0.5	27.5	<0.01	0.04	2.2
YY14540		0.48	28.5	650	36.9	7.7	0.003	0.11	1.24	1.8	1.6	0.5	50.2	<0.01	0.03	2.4

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY14501		0.017	0.13	2.05	29	0.80	8.75	163	1.2
YY14502		0.017	0.16	2.17	33	1.43	9.55	231	1.7
YY14503		0.017	0.15	1.78	31	1.02	9.37	233	1.8
YY14504		0.016	0.19	3.02	35	1.00	10.60	251	1.6
YY14505		0.015	0.15	2.54	31	0.75	8.31	188	1.2
YY14506		0.022	0.25	0.52	31	0.94	9.96	300	6.6
YY14507		0.019	0.23	1.19	31	1.71	8.67	301	1.9
YY14508		0.021	0.19	1.22	30	1.04	8.73	284	2.4
YY14509		0.019	0.21	1.99	27	2.59	8.32	217	2.2
YY14510		0.024	0.21	1.60	41	0.83	12.10	266	2.7
YY14511		0.021	0.23	0.82	26	0.74	9.18	224	2.4
YY14512		0.021	0.18	1.65	38	0.77	10.65	240	2.1
YY14513		0.021	0.19	0.91	34	0.89	9.92	223	2.3
YY14514		0.023	0.23	0.98	36	1.00	9.95	293	2.4
YY14515		0.021	0.18	0.91	39	0.96	10.30	224	2.0
YY14516		0.014	0.17	6.39	32	0.61	10.10	241	1.3
YY14517		0.016	0.19	1.65	34	1.07	11.10	263	1.7
YY14518		0.015	0.16	1.92	32	1.12	9.99	245	1.5
YY14519		0.020	0.19	0.96	31	0.80	9.23	239	2.5
YY14520		0.020	0.22	0.97	35	1.03	10.70	246	1.7
YY14521		0.014	0.14	0.66	28	0.66	9.10	215	1.9
YY14522		0.017	0.18	1.36	35	0.72	10.55	285	2.2
YY14523		0.017	0.18	1.04	32	2.04	9.41	256	2.1
YY14524		0.018	0.19	1.44	38	0.73	10.50	269	1.9
YY14525		0.018	0.20	1.46	35	0.91	10.85	275	1.9
YY14526		0.028	0.25	1.46	40	0.78	9.79	247	2.2
YY14527		0.022	0.24	0.86	36	0.93	11.05	284	2.6
YY14528		0.021	0.23	1.11	37	0.76	11.45	274	2.4
YY14529		0.018	0.20	1.16	34	1.64	11.20	225	2.1
YY14530		0.020	0.19	0.90	33	1.08	9.44	195	2.1
YY14531		0.025	0.22	1.09	33	0.58	9.17	176	2.8
YY14532		0.028	0.27	0.74	35	0.69	8.70	263	5.8
YY14533		0.024	0.19	1.09	39	2.43	10.70	209	1.7
YY14534		0.030	0.28	0.83	39	1.13	10.10	372	4.3
YY14535		0.017	0.19	2.60	36	0.90	10.60	252	1.7
YY14536		0.016	0.17	1.49	34	0.78	9.60	243	1.7
YY14537		0.022	0.22	0.78	36	1.27	10.30	226	2.3
YY14538		0.017	0.22	0.72	30	0.67	9.27	222	2.4
YY14539		0.016	0.15	1.34	31	0.62	9.40	245	1.8
YY14540		0.017	0.19	1.57	32	0.53	9.73	249	2.1

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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY14541		0.54	0.002	0.50	1.63	24.6	<0.02	<10	300	0.74	0.85	0.52	0.60	28.7	9.6	33
YY14542		0.56	0.005	0.12	1.51	12.2	<0.02	<10	180	0.52	0.49	0.35	0.81	24.1	9.4	26
YY14543		0.58	<0.001	0.30	0.83	24.6	<0.02	<10	120	0.50	0.10	8.57	3.86	24.0	7.5	27
YY14544		0.60	<0.001	0.31	1.07	17.7	<0.02	<10	410	0.51	0.19	1.42	1.93	24.9	6.8	26
YY14545		0.51	0.001	0.39	1.11	12.1	<0.02	<10	330	0.55	0.38	0.61	1.53	24.2	7.4	25
YY14546		0.46	0.001	0.31	1.61	15.0	<0.02	<10	280	0.55	0.30	0.79	1.34	24.2	9.2	29
YY14547		0.64	<0.001	0.48	1.53	14.1	<0.02	<10	200	0.58	0.23	5.31	1.21	17.10	9.1	25
YY14548		0.42	0.005	0.43	1.15	9.4	<0.02	<10	340	0.42	0.19	1.29	1.50	19.15	5.8	24
YY14549		0.55	0.001	0.49	1.94	15.1	<0.02	<10	250	0.68	0.22	1.63	1.11	20.7	9.1	33
YY14550		0.49	0.002	0.33	1.22	9.7	<0.02	<10	270	0.44	0.42	0.43	0.85	27.0	7.4	27
YY14551		0.60	<0.001	0.41	0.98	7.8	<0.02	<10	150	0.46	0.19	0.46	2.53	13.40	4.2	18
YY14552		0.55	<0.001	0.32	1.54	11.9	<0.02	<10	350	0.61	0.23	0.59	0.77	30.0	9.6	31
YY14553		0.45	<0.001	0.16	0.95	5.3	<0.02	<10	20	0.59	0.05	14.95	4.70	26.4	4.4	11
YY14554		0.47	0.001	0.09	1.69	12.9	<0.02	<10	210	0.70	0.23	0.20	0.66	27.9	11.5	26
YY14555		0.44	<0.001	0.27	1.64	7.9	<0.02	<10	90	0.75	0.13	0.50	0.60	7.95	4.4	32
YY14556		0.57	0.002	0.35	1.28	14.6	<0.02	<10	280	0.51	0.30	1.74	0.83	25.4	8.5	25
YY14557		0.49	0.001	0.17	1.38	12.0	<0.02	<10	220	0.53	0.23	0.37	0.38	25.5	7.4	25
YY14558		0.61	<0.001	1.18	1.03	4.0	<0.02	<10	50	0.57	1.72	0.49	1.64	13.80	9.3	13
YY14559		0.55	0.005	0.08	1.65	17.5	<0.02	<10	180	0.50	0.34	0.28	0.91	27.6	12.1	30
YY14560		0.74	0.007	0.33	1.06	12.1	<0.02	<10	210	0.46	0.16	5.27	1.03	18.85	7.0	20
YY14561		0.59	<0.001	0.48	1.45	24.4	<0.02	<10	240	0.60	0.24	0.77	0.71	28.1	8.7	27
YY14562		0.62	0.003	0.45	1.65	21.6	<0.02	<10	250	0.63	0.42	0.64	1.44	27.6	10.2	28
YY14563		0.64	0.001	0.50	1.70	18.7	<0.02	<10	350	0.75	0.37	0.58	2.13	27.6	10.4	28
YY14564		0.51	<0.001	0.28	1.76	14.1	<0.02	<10	350	0.71	0.29	0.98	1.81	27.2	11.8	30
YY14565		0.58	0.003	0.13	1.45	16.4	<0.02	<10	230	0.66	0.38	0.30	0.42	26.9	9.4	27
YY14566		0.50	<0.001	0.76	1.88	15.2	<0.02	<10	200	0.98	0.25	0.67	2.42	33.4	11.6	31
YY14567		0.62	<0.001	0.68	2.58	18.7	<0.02	<10	390	1.09	0.34	1.02	3.36	34.0	12.5	41
YY14568		0.62	0.055	0.85	1.88	21.7	<0.02	<10	320	0.74	0.36	3.22	1.75	19.20	10.3	28
YY14569		0.63	0.002	0.59	1.69	18.5	<0.02	<10	280	0.68	0.44	0.46	0.85	25.1	9.3	29
YY14570		0.65	0.002	0.42	1.78	18.7	<0.02	<10	310	0.76	0.49	0.42	1.03	26.0	11.8	31
YY14571		0.61	0.003	0.33	1.70	21.0	<0.02	<10	370	0.75	0.34	0.77	2.04	24.4	11.0	28
YY14572		0.71	0.001	0.28	1.80	15.0	<0.02	<10	300	0.77	0.27	1.57	1.65	27.1	12.7	32
YY14573		0.35	<0.001	0.44	1.75	12.8	<0.02	<10	420	0.78	0.92	1.54	2.46	22.5	11.7	29
YY14574		0.43	0.002	0.44	1.65	18.8	<0.02	<10	330	0.71	0.36	0.82	1.48	22.8	9.4	27
YY14575		0.63	0.003	0.72	1.65	24.4	<0.02	<10	440	0.69	0.55	0.65	1.28	23.0	8.8	28
YY14576		0.85	0.005	0.39	1.63	19.2	<0.02	<10	380	0.70	0.31	5.00	1.49	20.1	9.9	25
YY14577		0.60	0.002	0.29	1.18	12.2	<0.02	<10	230	0.56	0.22	4.63	1.03	18.25	7.4	22
YY14578		0.55	0.001	0.34	1.30	11.1	<0.02	<10	290	0.59	0.23	1.78	1.21	21.0	7.7	24
YY14579		0.54	<0.001	0.20	1.82	12.0	<0.02	<10	160	0.81	0.37	0.68	0.55	16.90	7.1	21
YY14580		0.57	0.007	0.42	1.23	12.4	<0.02	<10	180	0.72	0.23	1.67	0.76	17.75	7.0	26

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

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To: **ATAC RESOURCES LTD.**
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VANCOUVER BC V6B 1L8

Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY14541		1.94	32.4	3.36	4.36	<0.05	0.06	0.07	0.042	0.07	17.0	15.1	0.68	651	3.05	0.02
YY14542		1.54	20.3	2.64	4.38	<0.05	0.02	0.02	0.034	0.05	10.1	15.7	0.41	386	1.65	0.01
YY14543		1.74	21.0	1.59	2.14	0.05	0.04	0.02	0.024	0.06	21.3	14.8	0.44	349	1.92	0.01
YY14544		1.14	23.1	2.36	2.91	<0.05	0.04	0.05	0.026	0.06	16.0	12.4	0.56	365	1.92	0.01
YY14545		1.02	20.0	2.23	3.23	<0.05	0.04	0.05	0.027	0.04	14.1	12.0	0.41	381	1.36	0.01
YY14546		2.10	17.1	2.48	4.47	<0.05	0.05	0.03	0.030	0.04	12.2	19.3	0.75	484	1.92	0.03
YY14547		1.81	17.8	2.29	4.15	<0.05	0.04	0.05	0.026	0.05	11.5	16.8	1.68	465	1.48	0.05
YY14548		1.57	18.0	1.96	3.03	<0.05	0.04	0.04	0.027	0.04	12.5	14.4	0.67	323	1.10	0.02
YY14549		2.28	16.4	2.69	4.59	<0.05	0.03	0.06	0.032	0.04	13.9	21.3	0.98	481	1.67	0.05
YY14550		1.20	17.4	2.13	3.63	<0.05	0.04	0.04	0.025	0.04	14.7	14.9	0.46	245	1.37	0.01
YY14551		1.29	18.5	1.63	2.60	<0.05	0.04	0.03	0.028	0.03	11.4	9.8	0.22	318	0.97	0.01
YY14552		1.19	26.0	2.71	4.58	<0.05	0.04	0.06	0.028	0.05	16.0	14.6	0.51	424	1.92	0.02
YY14553		0.31	16.6	1.24	2.53	0.06	0.02	0.01	0.019	0.01	24.5	4.0	0.12	320	0.65	0.01
YY14554		1.42	27.4	2.48	4.00	<0.05	0.09	0.03	0.033	0.06	12.0	16.0	0.40	608	1.65	0.01
YY14555		2.09	14.7	1.60	4.88	<0.05	0.04	0.02	0.026	0.05	4.4	19.4	0.31	174	1.85	0.03
YY14556		1.26	33.2	2.49	3.80	<0.05	0.05	0.06	0.029	0.07	14.1	13.8	1.05	416	1.93	0.02
YY14557		1.34	14.5	2.33	4.38	<0.05	0.03	0.03	0.029	0.04	12.6	14.9	0.41	343	1.71	0.01
YY14558		2.22	78.9	3.69	2.47	<0.05	0.02	0.02	0.057	0.02	9.1	11.1	0.87	384	1.44	0.02
YY14559		1.90	11.0	3.54	5.52	<0.05	0.02	0.02	0.033	0.06	12.4	17.2	0.44	813	2.34	0.01
YY14560		1.40	19.7	2.06	2.95	<0.05	0.05	0.05	0.024	0.05	11.5	14.5	1.48	307	1.48	0.03
YY14561		1.46	19.3	2.72	3.81	<0.05	0.05	0.08	0.029	0.04	17.8	13.9	0.55	443	1.33	0.02
YY14562		2.10	30.3	2.69	4.19	0.05	0.05	0.08	0.045	0.08	14.8	17.2	0.74	584	3.56	0.02
YY14563		1.98	25.0	2.74	4.57	<0.05	0.06	0.07	0.042	0.07	15.4	20.5	0.55	589	3.09	0.01
YY14564		1.78	26.6	3.03	4.54	<0.05	0.06	0.05	0.025	0.09	15.2	22.4	0.66	495	1.84	0.02
YY14565		1.73	18.3	2.62	3.97	<0.05	0.05	0.04	0.034	0.05	14.3	17.5	0.46	492	2.43	0.01
YY14566		1.56	18.5	2.59	3.66	0.06	0.06	0.07	0.028	0.04	20.9	21.3	0.58	845	1.49	0.02
YY14567		1.96	20.8	3.39	5.06	0.06	0.04	0.07	0.038	0.05	20.3	25.1	0.64	965	1.91	0.04
YY14568		2.71	26.3	2.77	4.84	0.05	0.07	0.07	0.037	0.08	11.1	23.8	2.01	481	3.70	0.07
YY14569		1.97	25.7	2.67	4.45	<0.05	0.04	0.06	0.034	0.06	16.0	18.4	0.58	550	2.32	0.01
YY14570		2.21	22.7	2.99	4.85	0.05	0.06	0.05	0.040	0.07	13.8	22.6	0.65	527	2.89	0.01
YY14571		1.96	29.0	3.79	4.47	<0.05	0.07	0.06	0.029	0.08	14.0	21.0	0.52	896	2.82	0.01
YY14572		2.21	30.4	2.99	4.75	0.05	0.06	0.05	0.027	0.11	15.0	25.1	0.79	533	1.92	0.02
YY14573		1.68	27.8	2.76	4.44	<0.05	0.05	0.06	0.094	0.08	12.8	22.6	0.58	640	1.35	0.02
YY14574		1.89	27.4	2.74	4.34	0.05	0.06	0.06	0.038	0.08	13.2	20.7	0.55	420	3.39	0.02
YY14575		2.08	27.4	2.73	4.57	0.05	0.04	0.07	0.052	0.06	13.8	27.5	0.60	352	3.69	0.02
YY14576		2.49	25.5	2.64	4.29	0.05	0.08	0.06	0.027	0.10	12.1	23.9	1.54	442	3.07	0.05
YY14577		1.50	22.3	2.12	3.19	<0.05	0.06	0.04	0.023	0.06	11.1	17.2	1.48	320	1.47	0.03
YY14578		1.04	26.6	2.28	3.53	<0.05	0.04	0.07	0.025	0.06	12.7	14.8	0.74	385	1.72	0.02
YY14579		0.77	25.0	2.28	4.19	<0.05	0.06	0.03	0.022	0.04	9.0	10.3	0.31	311	2.24	0.02
YY14580		1.75	19.8	1.92	3.41	0.05	0.05	0.06	0.023	0.05	13.4	18.8	0.51	344	1.76	0.01

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	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY14541		0.64	38.6	510	40.6	11.7	<0.001	0.10	1.68	3.5	0.7	1.2	18.0	<0.01	0.05	3.6
YY14542		0.68	32.9	590	25.3	10.7	<0.001	0.12	0.98	1.8	0.7	0.6	14.4	<0.01	0.04	1.9
YY14543		0.27	72.3	360	16.9	7.3	0.001	0.17	2.48	2.2	0.9	0.3	96.0	<0.01	0.02	2.4
YY14544		0.44	66.4	550	28.8	8.1	<0.001	0.13	1.60	2.5	0.7	0.4	22.5	<0.01	0.02	3.0
YY14545		0.49	29.0	750	29.8	7.9	<0.001	0.09	1.17	2.2	0.7	0.5	17.5	<0.01	0.02	1.7
YY14546		0.68	33.3	790	27.6	9.4	<0.001	0.04	1.24	2.9	0.7	0.6	23.8	<0.01	0.03	2.7
YY14547		0.60	29.4	1040	30.6	9.4	<0.001	0.07	1.10	3.1	0.7	0.5	89.2	<0.01	0.02	2.6
YY14548		0.40	23.1	970	21.9	10.2	0.001	0.08	0.88	1.7	0.6	0.4	25.8	<0.01	0.02	1.4
YY14549		0.66	34.3	960	37.4	9.6	<0.001	0.07	1.16	3.1	0.6	0.6	36.6	<0.01	0.04	2.2
YY14550		0.70	29.4	790	18.9	9.1	<0.001	0.05	1.78	2.5	0.4	1.1	18.8	<0.01	0.04	2.8
YY14551		0.29	38.4	510	19.3	5.6	0.001	0.04	1.37	1.4	0.5	1.5	21.5	<0.01	0.04	1.9
YY14552		0.73	33.3	750	20.3	9.6	<0.001	0.05	0.96	3.0	0.3	0.5	22.4	<0.01	0.03	2.4
YY14553		0.26	29.4	520	4.6	1.1	<0.001	0.04	0.45	1.1	0.7	<0.2	232	<0.01	0.03	1.7
YY14554		0.64	38.0	740	29.8	10.1	<0.001	0.04	1.22	2.7	0.5	0.6	14.5	<0.01	0.04	4.4
YY14555		0.50	30.4	540	11.0	7.3	<0.001	0.05	0.74	2.0	0.5	0.3	38.3	0.01	0.03	2.4
YY14556		0.56	33.6	790	23.5	9.8	<0.001	0.04	1.34	3.0	0.3	0.6	29.7	<0.01	0.04	2.9
YY14557		0.69	26.3	450	25.7	8.9	<0.001	0.04	0.96	2.5	0.7	0.6	16.6	<0.01	0.04	2.6
YY14558		0.18	36.0	490	88.0	5.2	<0.001	0.05	0.51	1.0	3.4	0.5	6.6	<0.01	0.10	2.0
YY14559		1.31	24.8	830	33.7	11.9	<0.001	0.05	1.27	2.4	0.5	0.6	14.6	0.01	0.05	2.2
YY14560		0.46	24.8	900	28.5	8.2	<0.001	0.05	1.24	2.3	0.7	0.5	62.3	<0.01	0.02	2.8
YY14561		0.57	28.4	890	28.5	9.4	<0.001	0.05	1.31	3.1	0.8	0.5	23.2	<0.01	0.02	2.3
YY14562		0.59	37.4	1060	35.1	11.7	<0.001	0.06	2.62	3.3	1.3	1.4	29.8	<0.01	0.05	4.0
YY14563		0.50	32.9	1020	32.0	15.6	0.001	0.06	1.74	2.7	1.1	0.9	24.9	<0.01	0.04	2.5
YY14564		0.72	37.3	1010	28.3	14.2	0.002	0.08	1.26	3.0	0.8	0.6	29.0	<0.01	0.05	3.4
YY14565		0.60	30.3	950	27.4	10.1	<0.001	0.02	1.26	2.6	0.8	0.7	19.2	<0.01	0.03	2.9
YY14566		0.79	36.2	1020	44.4	8.0	<0.001	0.02	1.09	4.5	0.7	0.4	21.6	<0.01	0.04	4.4
YY14567		0.89	44.7	1510	40.3	11.0	<0.001	0.04	1.12	5.0	0.9	0.5	34.3	0.01	0.05	3.4
YY14568		0.46	38.1	1270	33.1	12.6	0.001	0.05	2.03	3.8	1.2	0.7	55.4	<0.01	0.05	4.1
YY14569		0.66	36.2	940	35.9	10.9	0.001	0.02	1.51	3.8	0.8	0.8	23.4	<0.01	0.04	3.2
YY14570		0.68	36.9	940	30.6	14.7	0.001	0.02	1.45	3.5	0.7	0.9	21.0	<0.01	0.05	3.3
YY14571		0.73	37.6	1060	27.2	14.3	0.002	0.04	1.59	3.2	1.4	0.6	28.2	<0.01	0.05	2.8
YY14572		0.74	43.3	950	30.7	15.1	<0.001	0.01	1.13	3.8	0.4	0.5	34.4	<0.01	0.03	5.0
YY14573		0.75	37.2	1080	26.9	14.3	0.002	0.07	1.19	2.8	1.5	0.7	32.9	<0.01	0.04	2.0
YY14574		0.57	35.2	1140	30.6	14.3	0.002	0.05	1.86	3.1	1.4	0.7	33.2	<0.01	0.05	2.9
YY14575		0.53	38.1	1070	38.2	13.5	<0.001	0.04	2.47	3.3	1.1	1.0	30.4	<0.01	0.05	2.7
YY14576		0.52	36.0	1100	30.3	16.3	0.001	0.03	1.88	3.6	1.1	0.5	67.8	<0.01	0.04	4.1
YY14577		0.56	27.7	850	27.7	9.4	<0.001	0.01	1.00	2.9	0.3	0.4	57.4	<0.01	0.03	3.8
YY14578		0.55	32.5	890	27.8	8.1	<0.001	0.02	0.99	2.4	0.5	0.4	29.8	<0.01	0.02	1.8
YY14579		0.67	45.0	770	18.7	7.6	<0.001	0.02	0.74	2.1	0.9	0.4	34.0	<0.01	0.02	3.1
YY14580		0.87	32.3	710	20.5	7.4	<0.001	0.01	0.82	3.8	0.7	0.5	45.0	<0.01	0.03	3.8

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

Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY14541		0.025	0.35	0.86	51	1.38	13.05	162	2.0
YY14542		0.023	0.22	0.70	43	0.39	4.83	213	0.8
YY14543		0.011	0.37	0.70	35	0.27	18.90	405	1.6
YY14544		0.019	0.22	0.51	34	0.35	11.80	705	1.8
YY14545		0.019	0.16	0.56	35	0.70	9.99	240	1.3
YY14546		0.031	0.22	1.21	42	1.39	8.32	159	1.6
YY14547		0.034	0.26	0.78	34	0.32	15.25	162	1.4
YY14548		0.017	0.19	0.66	29	9.20	11.35	213	1.4
YY14549		0.033	0.26	0.95	41	0.22	14.00	206	1.3
YY14550		0.033	0.17	0.82	36	3.47	9.14	177	1.4
YY14551		0.011	0.16	0.59	22	0.45	12.55	977	1.2
YY14552		0.032	0.14	0.92	45	0.45	10.55	143	1.3
YY14553		0.008	0.10	0.48	12	0.28	22.9	194	0.7
YY14554		0.023	0.23	0.64	38	0.38	6.71	156	3.3
YY14555		0.023	0.22	0.39	48	0.74	8.40	168	1.7
YY14556		0.029	0.20	0.57	39	7.72	11.50	154	1.7
YY14557		0.023	0.19	0.55	42	0.48	6.67	118	0.9
YY14558		0.008	0.11	0.85	16	0.68	16.50	279	0.5
YY14559		0.049	0.21	0.67	63	0.60	5.13	145	0.7
YY14560		0.025	0.22	0.80	28	0.29	10.15	152	1.8
YY14561		0.025	0.24	0.88	37	0.37	14.90	130	1.3
YY14562		0.039	0.49	1.28	43	1.08	9.42	182	2.5
YY14563		0.020	0.33	1.61	42	0.36	11.05	237	2.0
YY14564		0.026	0.25	1.58	40	0.33	10.75	213	2.4
YY14565		0.023	0.23	1.21	41	0.95	7.88	152	1.4
YY14566		0.026	0.32	1.16	35	0.82	21.2	154	2.1
YY14567		0.032	0.32	1.17	51	0.47	22.5	277	1.5
YY14568		0.031	0.39	1.70	40	1.12	11.25	217	2.9
YY14569		0.027	0.35	1.06	44	0.76	14.65	160	1.4
YY14570		0.026	0.34	1.06	47	2.38	9.59	203	1.9
YY14571		0.021	0.29	2.49	40	0.30	11.70	235	2.3
YY14572		0.033	0.31	0.80	41	0.27	11.05	206	2.6
YY14573		0.023	0.25	1.39	39	0.29	12.20	346	1.8
YY14574		0.024	0.32	1.61	41	0.34	10.60	215	2.2
YY14575		0.024	0.34	1.82	44	0.43	10.40	201	1.4
YY14576		0.028	0.43	1.43	35	1.26	10.55	215	3.3
YY14577		0.029	0.22	0.85	29	0.28	10.60	161	3.0
YY14578		0.022	0.16	0.67	33	0.37	11.75	217	1.5
YY14579		0.022	0.15	0.79	29	0.51	13.75	133	2.2
YY14580		0.031	0.37	0.59	41	0.40	19.40	150	2.4

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Finalized Date: 10- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY14581		0.69	<0.001	0.96	0.57	10.4	<0.02	<10	570	0.84	0.12	0.28	3.11	22.4	7.6	18
YY14582		0.48	0.002	0.08	1.96	11.2	<0.02	<10	150	0.25	0.36	0.17	0.11	14.60	12.9	73
YY14583		0.42	<0.001	0.23	2.04	16.5	<0.02	<10	140	0.34	0.45	0.23	0.28	17.85	32.2	96
YY14584		0.51	0.005	0.18	1.65	18.8	<0.02	<10	160	0.64	0.35	0.46	15.80	28.2	15.0	53
YY14585		0.48	0.001	0.99	2.29	54.5	<0.02	<10	280	0.89	0.39	0.20	4.89	30.7	19.9	65
YY14586		0.71	0.006	0.63	2.34	28.8	<0.02	<10	830	0.81	0.44	0.24	4.43	25.3	21.2	85
YY14587		0.68	0.008	0.49	1.24	54.4	<0.02	<10	420	0.49	2.15	0.04	1.02	27.2	3.6	26
YY14588		0.50	<0.001	0.35	1.53	24.6	<0.02	<10	400	0.30	0.77	0.13	0.93	22.2	7.6	61
YY14589		0.47	0.004	0.43	1.67	36.8	<0.02	<10	300	0.49	0.70	0.13	1.44	24.0	13.9	57
YY14590		0.56	0.004	1.55	1.89	40.6	<0.02	<10	190	0.42	0.42	0.11	0.48	27.2	6.7	33
YY14591		0.54	0.006	0.82	1.11	41.7	<0.02	<10	540	0.53	0.82	0.28	1.40	29.4	5.5	29
YY14592		0.56	0.005	0.97	1.41	35.8	<0.02	<10	890	0.58	1.00	0.43	2.04	32.1	9.6	36
YY14593		0.78	0.010	0.78	1.61	40.3	<0.02	<10	350	0.50	0.80	0.08	1.30	33.0	4.5	25
YY14594		0.63	0.009	1.01	1.11	38.9	<0.02	<10	440	0.29	0.71	0.12	1.57	30.0	4.0	27
YY14595		0.58	0.009	1.02	1.58	61.0	<0.02	<10	580	0.45	1.35	0.21	2.44	33.8	8.2	23
YY14596		0.55	0.008	1.12	1.41	31.0	<0.02	<10	1300	0.56	0.96	0.53	1.64	28.9	7.5	29
YY14597		0.61	0.011	2.18	1.50	45.6	<0.02	<10	1840	0.59	1.40	0.64	1.54	31.9	7.2	28
YY14598		0.58	0.002	0.80	2.48	36.0	<0.02	<10	2040	1.10	0.88	0.21	1.34	31.8	8.3	37
YY14599		0.59	0.005	0.98	1.64	34.5	<0.02	<10	1340	0.72	1.49	0.40	1.92	33.1	8.6	28
YY14600		0.44	0.005	0.34	2.06	28.5	<0.02	<10	500	0.71	0.85	0.21	0.79	35.1	9.1	34
YY14601		0.57	0.009	2.59	2.21	50.5	<0.02	<10	1740	0.90	0.98	0.17	1.53	39.1	6.9	38
YY14602		0.58	0.007	1.99	1.03	67.1	<0.02	<10	1580	0.46	1.15	0.46	0.71	35.7	4.7	30
YY14603		0.42	0.005	1.11	1.28	37.3	<0.02	<10	1620	0.53	0.74	0.87	1.71	31.3	6.4	31
YY14604		0.25	0.002	0.88	1.43	43.0	<0.02	<10	1300	0.46	0.67	0.79	0.75	27.9	6.3	31
YY14605		0.50	0.001	0.42	1.80	31.3	<0.02	<10	510	0.80	0.89	0.45	4.22	25.1	14.4	30
YY14606		0.53	0.003	0.45	1.56	22.8	<0.02	<10	450	0.71	0.63	0.39	1.32	33.1	11.9	29
YY14607		0.46	0.004	0.46	1.75	19.3	<0.02	<10	490	0.74	0.49	0.56	1.85	33.4	11.2	32
YY14608		0.45	<0.001	0.16	1.07	8.7	<0.02	<10	120	0.57	0.11	10.85	0.58	6.25	4.1	29
YY14609		0.75	<0.001	0.84	2.62	27.3	<0.02	<10	360	0.92	0.37	0.89	1.96	26.0	12.1	39
YY14610		0.47	<0.001	0.33	1.79	17.9	<0.02	<10	340	0.58	0.36	0.40	0.95	28.7	9.5	30
YY14611		0.47	0.005	0.54	2.50	20.9	<0.02	<10	300	0.99	0.30	0.67	1.74	26.4	10.4	37
YY14612		0.62	<0.001	0.22	2.14	18.3	<0.02	<10	250	0.88	0.28	0.26	1.31	32.9	11.1	31
YY14613		0.73	0.007	0.47	1.85	17.8	<0.02	<10	280	0.74	0.48	1.59	2.39	27.0	10.2	33
YY14614		0.53	<0.001	0.43	1.44	12.4	<0.02	<10	460	0.57	0.23	1.57	1.54	25.3	8.7	26
YY14615		0.57	<0.001	0.41	1.90	10.5	<0.02	<10	370	0.69	0.24	1.38	1.35	23.4	9.0	33
YY14616		0.57	<0.001	0.25	2.59	11.0	<0.02	<10	260	0.97	0.24	1.17	1.41	26.8	13.6	40
YY14617		0.44	<0.001	0.23	2.06	23.7	<0.02	<10	450	0.51	0.27	0.28	4.39	24.3	17.4	87
YY14618		0.48	<0.001	0.43	1.81	18.0	<0.02	<10	170	0.46	0.28	0.11	1.53	23.3	9.2	64
YY14619		0.55	0.001	1.29	1.53	39.3	<0.02	<10	970	0.54	0.38	0.12	0.71	32.7	7.6	33
YY14620		0.69	0.004	1.08	1.73	74.0	<0.02	<10	500	0.60	1.77	0.03	1.16	36.5	7.0	26

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY14581		1.13	16.7	1.45	1.94	<0.05	0.04	0.06	0.017	0.02	18.2	8.2	0.21	724	1.20	<0.01
YY14582		9.24	44.9	3.76	8.15	<0.05	<0.02	0.02	0.026	0.04	7.5	24.5	0.91	216	1.89	0.01
YY14583		11.90	163.0	5.39	7.02	0.05	<0.02	0.03	0.045	0.05	8.3	20.9	0.81	503	2.09	0.01
YY14584		16.50	120.0	2.84	5.33	0.07	<0.02	0.04	0.031	0.05	16.8	26.6	0.58	285	16.85	0.01
YY14585		7.48	199.0	4.66	6.16	0.08	0.02	0.14	0.129	0.08	17.2	28.2	0.74	361	43.5	0.01
YY14586		8.28	197.5	3.71	6.24	0.06	0.03	0.12	0.060	0.08	14.1	27.6	1.02	438	21.7	0.01
YY14587		3.34	35.0	2.83	4.34	0.05	0.06	0.13	0.097	0.16	16.3	12.3	0.33	178	18.35	0.02
YY14588		3.78	26.6	2.66	7.31	<0.05	<0.02	0.08	0.034	0.07	12.2	14.1	0.63	220	10.30	0.01
YY14589		3.62	69.7	3.43	5.45	<0.05	0.03	0.10	0.061	0.08	12.7	18.5	0.69	573	13.20	0.01
YY14590		2.34	22.4	3.24	6.15	0.05	0.04	0.13	0.051	0.07	14.5	17.6	0.38	272	9.12	<0.01
YY14591		2.25	50.2	2.28	4.02	0.05	0.02	0.21	0.087	0.09	17.0	10.5	0.31	256	15.95	<0.01
YY14592		2.46	43.5	2.64	5.02	<0.05	0.05	0.23	0.079	0.11	18.7	13.6	0.45	630	13.05	0.01
YY14593		2.11	154.5	2.44	4.09	<0.05	0.02	0.26	0.085	0.09	18.5	8.5	0.28	153	15.15	<0.01
YY14594		1.73	36.9	2.45	4.58	<0.05	<0.02	0.23	0.078	0.09	17.2	6.6	0.28	261	15.75	<0.01
YY14595		1.36	184.5	2.52	2.80	0.06	0.08	0.21	0.106	0.10	18.3	7.5	0.29	342	13.65	<0.01
YY14596		1.11	27.4	2.68	3.45	<0.05	0.07	0.19	0.080	0.07	15.8	11.2	0.46	573	6.64	<0.01
YY14597		2.26	55.7	2.60	3.97	<0.05	0.06	0.27	0.097	0.12	19.9	10.9	0.39	618	12.10	<0.01
YY14598		2.14	54.7	3.49	4.43	<0.05	0.08	0.17	0.076	0.09	17.7	15.7	0.44	603	5.27	<0.01
YY14599		1.27	57.5	3.10	3.36	0.05	0.05	0.21	0.077	0.10	18.9	11.4	0.49	710	6.59	<0.01
YY14600		1.58	29.9	3.90	4.10	<0.05	0.08	0.05	0.071	0.08	15.7	15.3	0.44	527	4.65	<0.01
YY14601		4.10	75.0	3.83	4.87	0.05	0.07	0.33	0.091	0.11	23.0	15.1	0.38	543	9.71	<0.01
YY14602		1.78	23.6	2.02	3.56	0.06	0.07	0.35	0.119	0.05	19.7	9.0	0.28	291	11.80	<0.01
YY14603		1.42	36.7	2.06	3.86	0.05	0.08	0.27	0.079	0.07	17.8	10.3	0.36	728	7.88	<0.01
YY14604		1.55	22.5	2.49	4.01	<0.05	0.07	0.17	0.061	0.06	15.1	12.1	0.43	717	9.79	0.01
YY14605		3.77	36.0	3.45	4.46	<0.05	0.06	0.12	0.104	0.09	13.0	18.6	0.64	609	5.71	0.01
YY14606		1.66	42.3	3.02	4.05	0.05	0.06	0.10	0.050	0.08	18.6	17.3	0.63	673	3.87	0.01
YY14607		1.81	35.7	3.21	4.74	<0.05	0.06	0.08	0.039	0.10	18.6	18.9	0.63	570	2.74	0.01
YY14608		1.70	15.6	1.47	2.93	<0.05	0.03	0.03	0.019	0.06	3.9	12.5	0.27	187	1.39	0.02
YY14609		3.51	35.2	3.48	6.21	0.05	0.12	0.12	0.053	0.11	14.1	22.2	1.06	801	4.73	0.07
YY14610		2.19	23.2	3.02	4.58	<0.05	0.05	0.05	0.036	0.07	15.4	16.8	0.59	545	3.16	0.01
YY14611		3.39	31.1	3.25	5.94	<0.05	0.05	0.09	0.040	0.07	16.6	24.3	0.85	556	3.48	0.05
YY14612		2.26	21.4	3.23	4.68	<0.05	0.08	0.04	0.038	0.07	16.1	18.7	0.58	549	2.90	0.01
YY14613		2.55	30.9	3.09	4.79	<0.05	0.05	0.06	0.036	0.07	16.1	18.3	1.32	623	2.17	0.05
YY14614		1.37	28.5	2.58	3.63	<0.05	0.05	0.07	0.030	0.07	14.8	13.7	0.88	669	1.50	0.01
YY14615		1.70	26.0	2.63	4.67	<0.05	0.04	0.09	0.026	0.06	13.6	15.8	0.61	597	1.20	0.05
YY14616		3.40	24.0	3.27	6.08	0.05	0.06	0.03	0.024	0.12	16.3	25.7	1.06	548	1.54	0.07
YY14617		5.28	70.6	3.45	6.05	0.05	<0.02	0.04	0.038	0.08	12.3	24.1	1.15	411	16.15	0.01
YY14618		3.37	42.9	3.30	7.00	<0.05	<0.02	0.06	0.037	0.05	10.8	12.6	0.55	409	14.90	<0.01
YY14619		2.13	44.7	2.81	4.31	0.05	0.02	0.27	0.094	0.09	19.1	11.3	0.40	336	17.80	<0.01
YY14620		5.67	135.0	4.37	4.10	0.08	0.08	0.26	0.125	0.20	21.7	8.2	0.32	191	26.0	0.04

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

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

Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY14581		0.59	87.3	340	10.9	4.2	<0.001	0.02	0.69	2.3	0.2	0.2	8.1	<0.01	0.02	2.4
YY14582		1.59	28.6	400	9.1	12.3	<0.001	0.02	0.51	2.4	2.7	1.3	12.0	<0.01	0.04	0.6
YY14583		1.16	82.6	610	11.0	15.6	<0.001	0.04	1.01	3.0	5.3	1.2	13.8	<0.01	0.05	0.4
YY14584		0.79	310	630	15.5	16.0	0.004	0.04	3.20	2.1	3.4	0.5	22.8	<0.01	0.05	0.5
YY14585		0.89	201	1550	21.6	13.6	0.004	0.08	12.85	3.1	5.7	1.1	32.2	0.01	0.06	1.3
YY14586		0.93	219	980	28.4	16.8	0.002	0.06	6.54	3.2	3.7	1.3	34.1	<0.01	0.07	1.7
YY14587		1.96	27.6	640	41.5	23.4	0.001	0.21	6.89	2.2	6.1	5.4	57.5	<0.01	0.19	4.8
YY14588		1.28	31.1	500	32.5	12.9	<0.001	0.03	3.31	1.9	2.2	2.5	21.4	<0.01	0.07	0.7
YY14589		1.25	58.3	990	29.1	12.6	0.001	0.07	4.22	2.6	3.5	1.7	34.7	<0.01	0.09	1.9
YY14590		1.22	18.3	960	24.6	12.2	<0.001	0.03	3.05	2.7	2.8	1.4	18.4	<0.01	0.08	1.9
YY14591		0.60	22.9	1030	54.6	13.7	0.002	0.07	6.92	2.8	4.2	5.4	52.3	<0.01	0.12	1.6
YY14592		0.79	31.6	1120	55.3	15.6	0.001	0.05	5.77	3.7	2.4	5.5	39.7	<0.01	0.13	2.3
YY14593		0.52	33.0	1020	50.7	13.3	0.001	0.06	6.46	1.9	3.1	6.1	33.4	<0.01	0.11	1.1
YY14594		0.34	17.8	970	61.1	10.9	0.002	0.06	6.28	1.2	3.4	7.9	28.9	<0.01	0.11	0.3
YY14595		0.39	59.5	1180	73.5	10.5	0.002	0.07	7.68	2.9	5.8	7.2	35.5	<0.01	0.13	8.4
YY14596		0.35	30.3	1220	197.5	10.0	0.001	0.05	5.37	1.9	2.5	2.7	27.5	<0.01	0.08	1.4
YY14597		0.47	33.3	1380	233	15.7	0.001	0.09	9.04	2.3	5.6	10.2	48.0	<0.01	0.14	1.8
YY14598		0.56	55.9	1060	110.0	13.0	0.001	0.07	4.04	3.5	3.6	1.9	28.2	<0.01	0.07	2.5
YY14599		0.41	50.6	1120	153.0	10.1	0.001	0.07	5.15	3.7	2.8	2.5	30.5	<0.01	0.09	3.5
YY14600		0.71	43.2	890	70.7	11.9	<0.001	0.05	3.09	2.5	2.1	1.6	20.6	<0.01	0.07	3.3
YY14601		0.48	68.1	1260	113.0	17.6	<0.001	0.09	4.91	3.5	3.3	3.1	78.6	<0.01	0.12	3.0
YY14602		0.42	19.2	1520	276	9.3	0.001	0.08	6.09	2.4	4.3	7.9	62.9	<0.01	0.13	2.7
YY14603		0.46	23.1	1580	177.0	10.3	0.001	0.10	6.23	2.2	5.1	2.9	38.2	<0.01	0.07	1.8
YY14604		0.51	19.8	1510	63.7	9.4	0.001	0.08	4.66	2.4	2.6	1.6	31.5	<0.01	0.06	1.9
YY14605		0.47	60.0	1280	48.4	15.7	0.001	0.07	3.94	2.5	2.3	1.3	29.2	<0.01	0.08	2.6
YY14606		0.41	43.1	1050	43.7	10.2	<0.001	0.05	2.65	3.3	1.3	1.2	28.6	<0.01	0.05	4.9
YY14607		0.63	44.6	1020	33.6	13.1	<0.001	0.05	1.81	3.5	0.8	1.0	28.3	<0.01	0.05	3.2
YY14608		0.35	20.4	590	8.7	7.8	<0.001	0.05	0.80	2.4	0.8	0.2	185.5	<0.01	0.02	2.2
YY14609		0.26	44.8	1390	39.4	14.3	<0.001	0.07	3.29	5.1	1.4	1.3	41.5	<0.01	0.06	6.0
YY14610		0.50	33.2	1050	29.8	13.8	<0.001	0.05	1.72	2.7	0.8	1.3	22.2	<0.01	0.04	3.0
YY14611		0.52	45.3	1240	32.9	13.4	<0.001	0.06	1.73	4.0	1.3	1.1	33.1	<0.01	0.05	3.4
YY14612		0.73	37.7	1040	31.8	11.9	<0.001	0.05	1.58	3.2	1.0	0.6	20.8	0.01	0.04	4.6
YY14613		0.70	38.1	1070	31.9	12.8	0.001	0.03	1.40	3.7	0.8	0.7	36.9	<0.01	0.05	3.8
YY14614		0.46	29.5	1050	32.6	10.4	<0.001	0.05	1.41	2.3	0.7	0.5	26.2	<0.01	0.03	1.7
YY14615		0.68	26.9	1120	26.1	11.3	<0.001	0.06	1.19	2.6	0.7	0.6	35.0	<0.01	0.05	1.6
YY14616		1.00	40.3	1000	35.3	20.6	0.001	0.04	0.94	4.2	0.4	0.7	37.7	<0.01	0.03	5.3
YY14617		0.80	189.5	870	20.0	11.5	0.001	0.05	5.50	1.9	2.3	1.8	19.3	<0.01	0.09	0.9
YY14618		0.80	53.6	990	18.6	11.0	0.001	0.04	2.91	1.2	2.6	0.8	14.8	<0.01	0.06	0.2
YY14619		0.55	34.9	1390	71.7	11.5	0.001	0.07	12.85	2.0	5.7	3.5	41.3	<0.01	0.13	0.9
YY14620		0.67	37.7	1510	85.5	25.3	0.005	0.46	17.60	3.4	12.2	7.4	92.8	<0.01	0.25	7.6

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CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY14581		0.016	2.79	0.82	33	0.19	68.4	631	1.5
YY14582		0.079	0.53	0.39	58	0.18	3.26	57	<0.5
YY14583		0.059	0.56	0.47	56	0.19	5.14	90	<0.5
YY14584		0.045	0.99	4.04	101	0.25	16.60	1440	<0.5
YY14585		0.049	1.35	6.44	80	0.52	15.80	558	0.6
YY14586		0.057	1.18	4.41	82	0.35	15.10	675	0.9
YY14587		0.054	0.94	1.62	76	0.49	3.29	111	3.3
YY14588		0.075	0.46	0.93	77	0.22	3.91	77	<0.5
YY14589		0.059	0.60	2.09	73	0.30	5.71	157	1.3
YY14590		0.035	0.66	2.68	97	0.45	4.26	92	1.2
YY14591		0.023	0.89	4.41	90	0.46	6.40	123	0.8
YY14592		0.025	0.71	3.80	76	0.51	10.55	105	1.7
YY14593		0.026	0.87	8.87	72	0.53	9.34	146	0.8
YY14594		0.021	0.75	3.94	76	0.50	5.02	87	<0.5
YY14595		0.024	0.77	6.57	102	0.60	11.15	207	4.4
YY14596		0.016	0.40	2.72	73	0.71	12.75	242	2.1
YY14597		0.021	0.98	3.81	88	0.68	14.60	226	1.9
YY14598		0.019	0.68	5.19	157	0.43	15.25	249	2.4
YY14599		0.024	0.63	2.69	103	0.49	15.05	259	1.9
YY14600		0.021	0.54	1.67	80	0.47	7.50	206	2.5
YY14601		0.019	1.52	7.46	219	0.44	17.55	339	1.9
YY14602		0.016	1.24	4.26	84	0.81	8.24	171	2.3
YY14603		0.015	0.67	5.15	78	0.51	10.05	160	2.4
YY14604		0.019	0.57	3.51	76	0.37	8.07	131	2.2
YY14605		0.026	0.49	2.82	54	6.19	8.80	439	2.1
YY14606		0.035	0.41	1.33	49	0.72	12.35	201	3.3
YY14607		0.034	0.32	1.34	52	0.83	12.50	184	2.0
YY14608		0.015	0.22	0.36	45	0.45	11.35	111	1.8
YY14609		0.047	0.71	1.73	56	0.25	14.40	223	6.2
YY14610		0.026	0.36	1.39	46	0.47	9.99	188	1.4
YY14611		0.038	0.49	1.70	50	0.35	15.50	264	1.6
YY14612		0.036	0.37	1.40	45	0.38	8.19	201	2.6
YY14613		0.047	0.39	0.93	47	0.84	14.30	332	2.0
YY14614		0.020	0.22	0.70	38	0.29	12.15	190	1.6
YY14615		0.030	0.19	0.75	44	0.29	11.15	148	1.4
YY14616		0.057	0.39	0.93	46	0.17	12.85	154	2.0
YY14617		0.074	0.49	1.38	100	0.26	7.31	748	<0.5
YY14618		0.055	0.43	1.31	95	0.22	6.38	227	<0.5
YY14619		0.032	0.67	3.14	114	0.51	8.83	135	0.6
YY14620		0.048	1.24	3.46	76	0.76	8.45	118	6.1

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CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY14621		0.47	0.002	1.20	1.62	63.6	<0.02	<10	470	0.44	2.08	0.05	0.80	30.9	4.4	33
YY14622		0.59	0.003	0.65	1.00	64.0	<0.02	<10	310	0.34	0.95	0.03	1.27	37.3	2.9	23
YY14623		0.42	<0.001	1.56	1.15	34.0	<0.02	<10	140	0.27	0.56	0.03	0.47	29.3	2.9	23
YY14624		0.42	0.002	1.05	3.99	371	<0.02	<10	500	1.23	0.75	0.05	4.91	30.2	3.0	94
YY14625		0.54	0.003	0.85	1.14	53.2	<0.02	<10	610	0.34	0.81	0.23	0.93	45.4	4.1	32
YY14626		0.59	<0.001	0.73	0.98	46.8	<0.02	<10	720	0.33	0.94	0.08	0.92	33.6	4.0	25
YY14627		0.47	0.003	0.56	1.57	41.9	<0.02	<10	550	0.57	0.80	0.19	0.52	34.5	9.1	31
YY14628		0.62	<0.001	0.72	1.47	39.2	<0.02	<10	1290	0.61	1.04	0.11	0.51	32.5	7.1	29
YY14629		0.47	<0.001	0.49	0.53	46.9	<0.02	<10	600	0.20	1.04	0.06	0.21	31.5	7.4	18
YY14630		0.64	<0.001	0.79	1.40	27.3	<0.02	<10	1120	0.62	0.62	0.36	0.73	35.7	9.9	30
YY14631		0.65	<0.001	1.26	1.01	54.4	<0.02	<10	2110	0.55	0.56	0.25	0.53	72.5	3.5	30
YY14632		0.51	0.004	1.21	0.97	29.6	<0.02	<10	1240	0.53	0.90	0.84	1.94	38.7	5.5	23
YY14633		0.47	0.002	1.41	1.31	31.1	<0.02	<10	1470	0.57	1.60	0.62	1.06	31.4	7.0	26
YY14634		0.59	0.001	1.74	1.46	36.7	<0.02	<10	1150	0.62	0.96	0.63	0.90	36.6	8.1	33
YY14635		0.60	0.004	1.40	1.52	32.0	<0.02	<10	1300	0.60	0.83	0.54	1.60	36.7	8.6	30
YY14636		0.57	<0.001	0.46	1.52	20.9	<0.02	<10	510	0.57	0.44	0.40	2.56	32.8	9.9	28
YY14637		0.55	<0.001	0.64	1.56	18.2	<0.02	<10	390	0.56	0.51	0.55	0.86	24.0	8.1	27
YY14638		0.58	<0.001	0.61	1.46	18.5	<0.02	<10	510	0.65	0.36	0.82	2.35	25.8	8.9	26
YY14639		0.47	<0.001	0.46	2.96	21.8	<0.02	<10	310	1.06	0.25	0.35	0.98	31.3	13.1	44
YY14640		0.50	<0.001	0.08	2.01	13.6	<0.02	<10	230	0.63	0.23	0.16	0.43	29.7	7.4	30
YY14641		0.47	<0.001	0.41	2.14	20.1	<0.02	<10	330	0.79	0.30	0.32	1.01	29.5	10.7	32
YY14642		0.46	<0.001	0.31	1.79	15.4	<0.02	<10	350	0.65	0.35	0.65	0.71	24.5	8.8	30
YY14643		0.51	<0.001	0.34	2.75	23.6	<0.02	<10	420	1.23	3.95	0.33	1.51	40.8	11.3	41
YY14644		0.49	<0.001	0.26	1.68	13.4	<0.02	<10	340	0.62	0.28	0.55	0.72	27.4	9.3	29
YY14645		0.66	<0.001	0.20	1.89	15.4	<0.02	<10	270	0.73	0.39	0.36	0.70	32.3	13.0	33
YY14646		0.48	<0.001	0.22	1.85	12.9	<0.02	<10	320	0.66	0.28	0.47	0.50	32.8	9.8	29
YY14647		0.56	0.002	0.60	1.54	12.4	<0.02	<10	290	0.76	0.24	0.47	0.54	29.2	9.8	28
YY14648		0.61	<0.001	0.33	1.50	26.7	<0.02	<10	240	0.51	0.30	0.05	0.50	31.9	7.2	27
YY14649		0.36	0.005	0.85	1.00	37.9	<0.02	<10	520	0.42	0.86	0.03	0.63	34.7	4.2	22
YY14650		0.44	<0.001	0.69	2.35	26.3	<0.02	<10	270	0.70	0.83	0.07	0.75	34.1	10.6	31
YY14651		0.59	0.021	0.88	1.14	39.6	<0.02	<10	490	0.54	1.45	0.07	2.63	39.8	7.2	21
YY14652		0.53	0.003	1.24	1.53	55.6	<0.02	<10	810	0.61	1.08	0.10	7.93	40.5	5.7	32
YY14653		0.57	<0.001	0.69	1.41	19.8	<0.02	<10	100	0.35	0.35	0.05	0.74	29.5	3.9	22
YY14654		0.60	<0.001	0.42	1.68	28.4	<0.02	<10	420	0.54	0.37	0.13	0.36	48.8	8.2	32
YY14655		0.55	<0.001	1.12	1.81	55.4	<0.02	<10	410	0.61	1.70	0.18	0.35	43.2	9.7	35
YY14656		0.61	0.005	2.75	1.24	65.6	<0.02	<10	470	0.59	1.56	0.05	0.91	56.1	4.8	35
YY14657		0.54	0.002	0.72	1.36	24.3	0.02	<10	340	0.35	1.20	0.10	0.72	38.8	4.5	28
YY14658		0.58	0.020	1.47	0.66	41.7	<0.02	<10	420	0.34	2.03	0.06	0.23	32.7	2.9	14
YY14659		0.58	0.015	1.15	0.79	34.6	<0.02	<10	400	0.36	2.29	0.08	0.19	33.4	3.1	16
YY14660		0.46	0.004	0.33	1.61	56.7	<0.02	<10	550	0.32	0.42	0.12	0.32	36.7	5.7	28

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	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY14621		7.23	91.7	3.93	5.69	0.05	<0.02	0.12	0.210	0.15	17.9	9.9	0.45	177	16.05	0.03
YY14622		1.94	32.3	2.44	5.46	0.05	<0.02	0.25	0.098	0.12	22.5	6.5	0.18	151	24.2	<0.01
YY14623		1.63	16.0	2.52	5.84	<0.05	<0.02	0.10	0.060	0.07	16.2	6.5	0.17	159	13.65	<0.01
YY14624		2.59	217	5.43	3.71	0.06	0.07	0.66	0.480	0.11	17.3	4.8	0.11	109	49.2	<0.01
YY14625		1.45	24.9	2.24	4.54	0.06	<0.02	0.16	0.173	0.08	25.8	10.0	0.26	658	13.30	0.01
YY14626		1.83	21.0	2.06	5.26	<0.05	<0.02	0.17	0.089	0.11	19.5	5.2	0.15	322	11.70	<0.01
YY14627		1.29	31.9	3.01	4.33	<0.05	0.06	0.10	0.079	0.10	16.4	13.1	0.36	520	6.93	<0.01
YY14628		1.46	37.8	3.10	4.17	<0.05	0.02	0.11	0.113	0.10	17.1	12.8	0.35	356	8.14	<0.01
YY14629		1.00	16.2	1.91	4.29	<0.05	<0.02	0.05	0.165	0.09	17.7	3.0	0.09	1020	9.72	<0.01
YY14630		1.11	33.7	2.97	3.89	0.05	0.05	0.17	0.065	0.10	21.0	12.5	0.45	632	4.73	<0.01
YY14631		1.17	23.6	1.82	4.07	0.10	0.02	0.24	0.079	0.07	38.4	6.9	0.16	233	16.25	<0.01
YY14632		1.13	39.3	2.04	3.43	0.05	0.09	0.29	0.091	0.08	22.9	8.8	0.40	310	6.94	<0.01
YY14633		1.36	27.1	2.26	3.55	<0.05	0.10	0.26	0.076	0.08	17.3	12.1	0.41	660	7.58	<0.01
YY14634		1.58	50.5	2.52	4.17	0.05	0.13	0.29	0.080	0.06	20.3	12.0	0.43	528	8.91	<0.01
YY14635		1.60	49.8	2.67	4.44	<0.05	0.09	0.22	0.059	0.08	20.6	13.1	0.46	403	5.84	<0.01
YY14636		1.65	44.7	2.60	4.16	0.05	0.06	0.09	0.047	0.09	18.3	17.1	0.56	703	5.19	0.01
YY14637		2.47	25.0	2.50	4.51	<0.05	0.04	0.09	0.046	0.07	12.9	14.0	0.43	416	4.23	<0.01
YY14638		1.49	26.0	2.70	3.84	<0.05	0.07	0.12	0.040	0.07	14.8	14.1	0.46	1640	4.83	0.01
YY14639		3.91	32.7	3.43	6.87	0.06	0.10	0.06	0.037	0.09	16.0	29.5	1.00	663	3.61	0.03
YY14640		2.21	14.6	2.82	5.39	<0.05	<0.02	0.04	0.031	0.05	15.0	16.4	0.40	228	1.93	<0.01
YY14641		3.06	22.7	3.19	5.55	<0.05	0.05	0.06	0.041	0.09	16.2	26.0	0.64	613	3.93	0.01
YY14642		2.28	19.4	2.84	4.89	<0.05	0.04	0.05	0.035	0.07	13.4	17.9	0.57	436	2.66	0.01
YY14643		2.64	35.8	3.65	5.93	0.05	0.07	0.08	0.047	0.10	22.0	24.2	1.34	831	3.17	0.02
YY14644		1.93	17.3	2.78	4.90	<0.05	0.04	0.07	0.031	0.06	14.6	15.7	0.49	512	1.79	0.01
YY14645		2.52	17.6	2.97	5.17	<0.05	0.02	0.05	0.030	0.07	17.4	18.9	0.55	578	1.95	0.01
YY14646		1.88	13.1	2.94	5.22	<0.05	0.02	0.03	0.032	0.06	14.7	18.6	0.49	378	1.51	0.01
YY14647		1.57	22.8	2.60	4.05	<0.05	0.05	0.11	0.031	0.06	18.1	15.0	0.46	690	1.45	0.01
YY14648		1.50	29.4	3.25	4.36	<0.05	<0.02	0.12	0.042	0.07	17.3	11.8	0.30	497	11.45	<0.01
YY14649		1.41	20.2	2.20	3.61	0.05	<0.02	0.19	0.063	0.12	20.5	9.4	0.24	240	18.15	<0.01
YY14650		1.55	23.2	2.94	4.29	<0.05	0.07	0.20	0.053	0.09	17.1	16.8	0.29	289	10.75	<0.01
YY14651		1.26	29.7	2.57	4.47	0.05	0.11	0.29	0.060	0.16	24.2	11.3	0.27	410	22.6	<0.01
YY14652		2.82	31.9	3.76	6.86	0.05	0.02	0.29	0.086	0.23	27.4	12.3	0.26	399	24.2	0.01
YY14653		1.86	20.2	2.26	7.60	<0.05	<0.02	0.07	0.040	0.05	15.6	8.0	0.15	164	8.67	<0.01
YY14654		1.60	60.7	3.18	5.75	0.05	<0.02	0.40	0.102	0.07	25.3	14.6	0.45	285	14.65	0.01
YY14655		1.46	25.3	3.02	5.97	0.05	0.04	0.24	0.092	0.07	22.8	16.1	0.43	369	8.81	0.01
YY14656		1.76	32.1	2.66	8.76	0.06	<0.02	0.30	0.186	0.07	33.5	12.0	0.15	256	25.4	<0.01
YY14657		1.40	33.8	2.07	5.48	0.05	<0.02	0.21	0.070	0.06	21.8	11.7	0.33	137	8.11	<0.01
YY14658		0.70	15.5	1.56	2.81	<0.05	<0.02	0.13	0.086	0.14	19.9	6.3	0.15	163	9.31	<0.01
YY14659		0.85	13.4	1.50	3.47	<0.05	<0.02	0.09	0.066	0.12	19.6	6.4	0.17	168	6.12	<0.01
YY14660		1.94	8.5	3.13	6.61	<0.05	<0.02	0.39	0.051	0.08	20.7	13.2	0.28	229	4.72	<0.01

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Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY14621		0.88	25.2	1290	45.4	25.7	0.001	0.33	9.04	1.6	5.4	22.3	81.1	<0.01	0.22	0.9
YY14622		0.55	10.4	740	76.2	13.8	0.001	0.14	7.33	1.8	5.3	6.3	51.4	<0.01	0.15	1.1
YY14623		0.53	8.8	530	39.5	10.4	<0.001	0.05	3.46	0.9	2.4	3.2	23.5	<0.01	0.10	0.3
YY14624		0.37	49.2	4140	76.6	9.7	0.001	0.17	21.2	9.8	9.2	6.1	50.3	<0.01	0.16	4.1
YY14625		0.42	16.5	1830	66.4	8.7	0.001	0.15	9.52	1.9	6.0	4.9	77.0	<0.01	0.09	1.1
YY14626		0.10	10.8	1100	69.2	19.0	<0.001	0.08	6.34	0.3	3.9	6.1	31.7	<0.01	0.11	<0.2
YY14627		0.52	28.2	1180	53.9	11.9	<0.001	0.06	6.26	2.3	3.8	2.5	26.2	<0.01	0.09	1.9
YY14628		0.48	30.0	850	112.5	11.8	<0.001	0.07	6.45	2.4	4.0	3.9	29.1	<0.01	0.11	2.1
YY14629		0.16	6.8	1270	886	9.3	<0.001	0.06	7.47	0.4	5.0	3.3	30.2	<0.01	0.11	0.3
YY14630		0.44	34.6	1010	175.5	10.7	<0.001	0.03	4.81	4.0	2.0	2.1	26.6	<0.01	0.08	2.5
YY14631		0.20	14.0	2520	356	6.9	<0.001	0.07	7.56	2.3	9.6	2.6	50.5	<0.01	0.15	3.2
YY14632		0.53	25.1	1210	102.0	9.1	0.001	0.05	6.87	3.1	2.8	2.3	35.5	<0.01	0.09	2.6
YY14633		0.47	26.8	1190	95.8	10.9	0.001	0.04	8.39	2.8	3.9	2.9	30.2	<0.01	0.11	2.4
YY14634		0.62	26.0	1890	51.5	10.2	0.002	0.06	8.27	3.2	5.1	1.7	31.1	<0.01	0.11	2.3
YY14635		0.63	23.6	1400	53.0	13.0	0.002	0.03	7.27	3.5	2.6	1.7	25.8	<0.01	0.09	3.0
YY14636		0.49	33.8	1130	29.4	11.7	0.001	<0.01	4.07	3.4	1.5	1.0	25.1	<0.01	0.07	4.1
YY14637		0.40	23.9	1240	35.5	16.3	0.001	0.04	2.41	1.9	1.2	1.2	23.7	<0.01	0.06	1.0
YY14638		0.47	31.2	1250	28.1	10.7	0.002	0.05	2.54	2.5	2.7	0.7	28.3	<0.01	0.05	1.7
YY14639		0.62	48.4	1240	22.4	15.6	<0.001	0.03	1.46	6.1	0.9	0.7	28.6	<0.01	0.05	5.9
YY14640		0.66	22.3	760	15.0	13.5	<0.001	0.01	0.80	1.9	0.5	0.5	14.4	<0.01	0.04	0.9
YY14641		0.38	38.2	1380	27.7	20.9	<0.001	0.02	1.60	3.0	0.7	0.7	24.6	<0.01	0.05	2.0
YY14642		0.52	27.0	1180	24.2	16.1	<0.001	0.04	1.21	2.3	0.9	0.7	22.4	<0.01	0.03	1.4
YY14643		0.75	48.5	880	38.3	15.6	0.001	0.02	1.87	4.9	0.8	1.4	22.4	<0.01	0.05	4.7
YY14644		0.57	26.0	960	25.7	13.9	<0.001	0.02	0.92	2.4	0.5	0.6	17.2	<0.01	0.04	1.6
YY14645		0.62	32.2	730	29.2	15.7	<0.001	0.01	1.03	2.7	0.5	0.7	18.0	<0.01	0.04	1.8
YY14646		0.73	30.4	700	35.7	12.4	<0.001	<0.01	0.88	2.7	0.4	0.7	17.8	<0.01	0.05	2.5
YY14647		0.49	27.4	980	34.4	9.9	<0.001	<0.01	1.11	3.4	0.3	0.5	21.0	<0.01	0.04	2.3
YY14648		0.33	21.8	850	41.9	11.0	0.001	0.04	4.57	0.9	5.6	1.4	19.7	<0.01	0.08	0.3
YY14649		0.34	14.9	540	63.8	12.1	<0.001	0.10	8.33	1.2	6.6	4.5	30.5	<0.01	0.16	0.5
YY14650		1.04	24.8	730	36.5	12.2	<0.001	0.06	4.49	2.9	4.6	2.8	19.2	0.01	0.12	3.4
YY14651		0.59	25.7	640	74.3	12.9	0.001	0.07	8.29	4.1	4.4	3.2	51.6	<0.01	0.16	5.4
YY14652		1.15	18.5	1250	72.9	21.2	0.001	0.29	6.70	4.8	4.3	3.1	95.4	<0.01	0.19	2.1
YY14653		1.07	11.5	390	17.2	9.5	<0.001	0.01	1.45	1.9	1.3	1.2	13.5	<0.01	0.08	0.9
YY14654		0.61	25.0	900	28.6	9.5	<0.001	0.02	4.11	4.3	2.0	2.9	34.1	<0.01	0.09	1.8
YY14655		0.90	27.2	1050	83.9	10.0	0.001	0.01	6.98	3.2	2.6	20.9	39.4	<0.01	0.11	3.1
YY14656		0.96	11.2	870	91.7	10.5	<0.001	0.06	13.25	2.7	7.1	22.4	57.3	<0.01	0.16	3.4
YY14657		0.29	15.3	980	82.1	10.3	<0.001	0.02	7.59	1.1	2.1	6.8	30.6	<0.01	0.08	0.3
YY14658		0.17	11.2	610	91.5	9.3	0.001	0.10	8.71	1.7	5.3	6.7	23.9	<0.01	0.12	1.6
YY14659		0.20	10.6	640	72.4	9.8	<0.001	0.05	6.48	1.4	4.1	6.4	21.0	<0.01	0.11	0.8
YY14660		1.07	14.5	1090	203	11.0	<0.001	0.04	7.03	2.2	3.1	3.3	20.8	<0.01	0.09	1.7

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To: **ATAC RESOURCES LTD.**
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Finalized Date: 10- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY14621		0.042	1.05	3.02	92	0.61	4.43	120	0.5
YY14622		0.029	1.07	2.77	73	0.35	3.88	62	<0.5
YY14623		0.027	0.57	1.76	73	0.36	2.40	51	<0.5
YY14624		0.017	1.82	49.4	733	0.48	9.15	135	2.7
YY14625		0.025	0.96	4.46	61	0.45	8.52	72	<0.5
YY14626		0.009	0.80	3.24	73	0.44	4.34	66	<0.5
YY14627		0.022	0.62	1.92	66	0.42	6.37	115	1.7
YY14628		0.023	0.62	2.28	82	0.48	5.99	132	0.6
YY14629		0.013	0.52	2.44	90	0.39	3.94	58	<0.5
YY14630		0.023	0.40	1.61	55	0.32	13.30	122	1.4
YY14631		0.010	1.07	6.45	102	0.51	18.05	82	<0.5
YY14632		0.022	0.76	3.29	66	0.96	11.80	151	4.1
YY14633		0.017	0.54	2.77	78	0.46	8.77	165	3.2
YY14634		0.018	0.68	10.40	80	0.80	16.25	132	4.1
YY14635		0.018	0.52	5.20	66	0.38	11.40	131	2.5
YY14636		0.028	0.39	2.59	46	0.30	10.40	142	2.4
YY14637		0.019	0.39	1.61	51	0.29	6.62	145	0.9
YY14638		0.019	0.28	2.18	42	0.27	9.93	149	2.2
YY14639		0.061	0.66	2.16	61	0.19	12.40	208	3.4
YY14640		0.027	0.34	1.08	53	0.39	6.91	82	<0.5
YY14641		0.024	0.37	1.92	49	0.18	10.50	243	1.6
YY14642		0.023	0.32	1.30	49	0.67	7.80	179	1.1
YY14643		0.047	0.51	1.51	57	1.91	15.45	216	2.1
YY14644		0.021	0.26	1.28	49	0.33	8.07	169	1.0
YY14645		0.029	0.31	1.05	51	0.32	9.01	153	<0.5
YY14646		0.025	0.25	0.83	48	0.28	6.39	120	0.6
YY14647		0.024	0.22	0.82	41	0.35	14.35	148	1.2
YY14648		0.015	0.43	1.37	74	0.27	7.53	92	<0.5
YY14649		0.017	0.61	1.15	56	0.41	4.90	57	<0.5
YY14650		0.025	0.42	1.24	52	0.39	3.99	75	2.3
YY14651		0.033	0.85	1.33	59	0.49	8.21	89	7.2
YY14652		0.065	1.48	3.50	89	0.22	5.58	107	1.1
YY14653		0.037	0.55	2.31	85	0.29	3.83	50	<0.5
YY14654		0.039	0.55	6.41	72	0.45	9.63	76	<0.5
YY14655		0.034	0.48	8.06	71	2.04	6.93	81	1.2
YY14656		0.032	1.13	3.93	86	0.88	6.24	59	0.6
YY14657		0.020	0.48	3.96	52	0.51	5.86	66	<0.5
YY14658		0.011	0.62	1.14	44	0.40	4.30	50	<0.5
YY14659		0.013	0.43	1.15	48	0.37	4.30	46	<0.5
YY14660		0.036	0.70	1.51	78	0.36	4.11	61	0.5

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Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY14661		0.54	0.003	2.63	1.76	31.0	<0.02	<10	450	0.90	0.79	0.23	4.27	40.6	14.0	41
YY14662		0.50	0.001	1.21	1.46	33.5	<0.02	<10	730	0.61	0.70	0.36	2.12	34.9	10.6	31
YY14663		0.47	<0.001	0.57	1.38	36.7	<0.02	<10	240	0.30	0.43	0.15	1.42	30.5	7.2	35
YY14664		0.52	0.002	1.05	1.51	28.0	<0.02	<10	660	0.75	0.41	0.61	5.51	31.5	10.8	31
YY14665		0.45	<0.001	1.10	1.49	22.7	<0.02	<10	490	0.72	0.42	0.61	1.21	28.9	8.9	28
YY14666		0.58	<0.001	0.71	1.40	21.7	<0.02	<10	430	0.72	0.55	0.52	1.70	27.9	10.3	27
YY14667		0.63	0.005	1.33	1.08	29.9	<0.02	<10	480	0.54	0.81	0.47	2.09	24.0	6.8	19
YY14668		0.66	0.006	0.51	0.82	23.1	<0.02	<10	170	0.36	0.43	1.47	1.56	22.2	7.7	15
YY14669		0.46	<0.001	0.38	2.20	20.1	<0.02	<10	350	0.88	0.29	0.63	1.30	23.7	11.2	34
YY14670		0.49	<0.001	0.82	3.52	36.9	<0.02	<10	300	1.11	0.28	3.62	2.66	17.50	17.2	46
YY14671		0.48	<0.001	0.35	1.81	16.6	<0.02	<10	390	0.70	0.32	0.64	1.03	26.3	11.1	33
YY14672		0.66	<0.001	0.44	2.06	21.1	<0.02	<10	320	0.85	0.36	1.58	1.31	29.0	12.0	34
YY14673		0.34	<0.001	0.26	1.63	12.8	<0.02	<10	510	0.58	0.21	4.62	2.21	17.45	9.9	26
YY14674		0.56	<0.001	0.40	1.75	14.6	<0.02	<10	350	0.62	0.27	0.81	1.06	27.6	10.5	33
YY14675		0.55	<0.001	0.27	1.66	14.0	<0.02	<10	550	0.59	0.26	1.32	1.30	27.4	9.1	28
YY14676		0.48	<0.001	0.35	1.59	14.0	<0.02	<10	450	0.65	0.26	1.50	2.55	23.4	10.6	31
YY14677		0.55	<0.001	0.51	1.52	17.6	<0.02	<10	320	0.73	0.23	1.32	5.82	27.2	9.1	31
YY14678		0.48	<0.001	5.42	1.39	20.1	<0.02	<10	70	0.20	0.28	0.04	0.13	24.8	4.4	24
YY14679		0.53	0.002	0.47	1.70	16.4	<0.02	<10	160	0.37	0.27	0.08	0.11	31.5	6.0	29
YY14680		0.49	0.026	1.88	0.57	60.1	0.02	<10	240	0.11	3.54	0.03	0.16	29.0	2.2	19
YY14681		0.62	<0.001	0.36	1.57	17.5	<0.02	<10	690	0.45	0.49	0.08	0.13	33.1	7.9	26
YY14682		0.52	<0.001	2.14	0.82	18.9	<0.02	<10	340	0.18	0.31	0.03	0.14	89.7	3.0	20
YY14683		0.65	0.003	0.41	1.66	19.4	<0.02	<10	400	0.68	0.66	0.22	0.15	33.1	10.7	29
YY14684		0.62	0.006	1.07	1.36	22.5	<0.02	<10	320	0.38	0.63	0.12	0.18	32.4	5.1	23
YY14685		0.62	0.008	1.51	0.54	30.1	<0.02	<10	600	0.28	0.67	0.10	0.62	29.2	2.8	12
YY14686		0.71	0.004	0.54	1.09	22.7	<0.02	<10	330	0.38	0.50	0.15	0.32	28.4	5.2	18
YY14687		0.63	<0.001	0.66	1.13	19.3	<0.02	<10	480	0.48	0.23	0.25	0.34	26.9	6.7	21
YY14688		0.46	<0.001	0.97	1.54	25.4	<0.02	<10	500	0.71	0.26	0.33	0.96	34.5	10.9	26
YY14689		0.68	<0.001	0.80	1.70	22.4	<0.02	<10	510	0.83	0.26	0.89	1.82	28.2	9.9	25
YY14690		0.55	0.001	0.26	1.66	22.0	<0.02	<10	300	0.78	0.26	0.22	0.87	33.8	10.9	25
YY14691		0.50	<0.001	0.55	1.81	17.9	<0.02	<10	540	0.80	0.24	0.50	1.83	26.2	8.6	27
YY14692		0.75	<0.001	0.38	2.79	26.7	<0.02	<10	380	0.98	0.26	1.51	1.54	20.0	12.7	36
YY14693		0.59	<0.001	0.44	4.51	26.5	<0.02	<10	270	1.53	0.28	1.12	1.67	12.00	17.7	61
YY14694		0.47	<0.001	0.05	3.48	20.1	<0.02	<10	270	1.28	0.30	0.15	0.52	30.9	22.2	43
YY14695		0.62	<0.001	0.05	2.86	16.4	<0.02	<10	190	1.29	0.27	0.11	0.26	34.0	15.6	42
YY14696		0.46	<0.001	0.15	2.15	19.8	<0.02	<10	220	0.94	0.26	0.35	0.94	31.3	19.8	33
YY14697		0.52	<0.001	0.05	2.83	19.3	<0.02	<10	360	1.18	0.29	0.17	0.55	32.8	15.5	37
YY14698		0.50	<0.001	0.08	2.78	18.6	<0.02	<10	290	1.00	0.27	0.34	0.26	30.6	12.9	37
YY14699		0.62	<0.001	0.19	2.78	19.8	<0.02	<10	280	1.20	0.29	0.60	0.82	30.3	15.2	38
YY14700		0.64	<0.001	0.32	1.65	13.0	<0.02	<10	280	0.72	0.21	2.48	1.24	26.2	11.1	30

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

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

Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY14661		2.47	100.5	3.20	4.49	0.06	0.03	0.34	0.097	0.11	21.8	19.0	0.62	858	6.09	<0.01
YY14662		3.18	68.1	2.86	4.91	<0.05	<0.02	0.14	0.099	0.11	20.1	15.8	0.37	497	9.48	0.01
YY14663		3.41	288	2.86	5.80	<0.05	<0.02	0.10	0.145	0.07	16.7	14.0	0.37	277	7.16	<0.01
YY14664		2.11	520	2.50	4.39	<0.05	0.11	0.15	0.067	0.13	17.6	18.7	0.52	460	5.06	0.01
YY14665		1.49	58.8	2.55	4.47	<0.05	0.11	0.15	0.051	0.11	16.4	19.9	0.52	347	3.99	0.01
YY14666		1.43	32.6	2.63	4.30	<0.05	0.08	0.11	0.054	0.08	14.8	16.4	0.45	751	4.01	<0.01
YY14667		1.41	27.7	2.17	2.96	<0.05	0.06	0.12	0.057	0.06	13.9	12.3	0.33	381	5.11	<0.01
YY14668		0.96	19.6	2.35	2.83	<0.05	0.02	0.05	0.033	0.06	12.0	10.3	0.74	570	4.98	<0.01
YY14669		2.87	25.9	3.25	6.01	<0.05	0.08	0.06	0.033	0.10	14.4	29.8	0.72	596	4.07	0.01
YY14670		5.20	42.2	4.05	8.99	0.08	0.08	0.09	0.041	0.13	9.8	33.3	2.48	943	4.96	0.12
YY14671		1.63	24.0	3.11	4.86	<0.05	0.07	0.06	0.031	0.07	14.7	17.5	0.61	531	2.63	0.01
YY14672		1.86	25.5	3.57	5.12	0.05	0.08	0.08	0.034	0.08	17.9	20.7	1.25	708	2.96	0.04
YY14673		1.49	19.7	2.46	4.08	<0.05	0.08	0.05	0.025	0.06	10.1	13.9	2.02	669	1.85	0.05
YY14674		1.55	26.1	3.06	4.52	<0.05	0.07	0.08	0.032	0.07	16.1	14.5	0.70	512	2.10	0.02
YY14675		1.36	16.4	3.53	4.39	<0.05	0.04	0.06	0.036	0.07	15.0	13.2	1.05	810	1.99	0.01
YY14676		1.77	21.1	3.03	4.03	<0.05	0.05	0.07	0.029	0.07	13.7	16.1	0.81	613	1.61	0.02
YY14677		1.79	18.9	3.21	3.87	<0.05	0.05	0.07	0.037	0.08	18.5	14.1	0.74	613	1.69	0.01
YY14678		1.27	13.6	2.65	5.93	<0.05	0.03	0.19	0.080	0.03	13.4	9.9	0.23	186	11.25	<0.01
YY14679		1.18	15.2	2.75	6.33	<0.05	0.02	0.14	0.064	0.04	17.6	11.4	0.33	237	16.35	<0.01
YY14680		0.86	13.6	2.37	5.06	<0.05	<0.02	0.18	0.031	0.08	20.7	1.7	0.07	123	25.4	<0.01
YY14681		1.13	21.4	2.69	4.90	<0.05	0.02	0.12	0.029	0.05	17.4	11.9	0.39	372	3.68	<0.01
YY14682		0.81	12.2	1.74	8.07	0.07	0.02	0.28	0.123	0.08	71.1	7.1	0.13	105	10.35	<0.01
YY14683		1.10	16.2	3.07	4.51	<0.05	0.06	0.08	0.034	0.07	18.4	14.5	0.48	615	1.83	<0.01
YY14684		1.06	13.5	2.37	5.24	<0.05	<0.02	0.09	0.101	0.05	17.0	9.7	0.28	195	4.72	<0.01
YY14685		0.57	23.7	1.57	1.88	<0.05	0.05	0.19	0.048	0.13	16.8	4.6	0.14	158	9.04	<0.01
YY14686		0.89	16.4	2.29	3.50	<0.05	0.03	0.08	0.040	0.09	15.0	10.0	0.25	290	4.62	<0.01
YY14687		0.82	12.7	2.48	3.22	<0.05	0.05	0.13	0.027	0.11	16.2	12.6	0.33	407	5.70	<0.01
YY14688		1.11	32.8	3.32	3.94	0.05	0.07	0.23	0.039	0.12	20.8	17.3	0.49	986	5.63	0.01
YY14689		1.26	30.5	3.36	4.39	<0.05	0.10	0.14	0.035	0.11	16.8	17.8	0.56	737	3.84	0.01
YY14690		1.41	29.1	3.16	3.95	0.05	0.04	0.10	0.031	0.12	18.2	21.7	0.53	554	5.74	0.01
YY14691		1.54	26.3	3.27	4.35	<0.05	0.12	0.09	0.032	0.11	15.7	24.7	0.55	461	4.17	0.01
YY14692		2.77	33.9	3.58	7.15	<0.05	0.07	0.07	0.043	0.11	12.1	28.6	1.21	774	4.76	0.07
YY14693		9.54	38.8	3.98	13.90	0.08	0.11	0.05	0.054	0.30	6.9	48.1	1.87	1290	8.23	0.08
YY14694		3.55	37.1	4.40	7.68	0.05	0.13	0.04	0.030	0.15	15.2	43.1	1.03	677	2.64	0.01
YY14695		3.28	26.2	4.09	7.12	<0.05	0.04	0.02	0.023	0.12	17.0	43.5	1.01	438	2.09	0.01
YY14696		2.58	31.5	3.99	5.61	0.05	0.06	0.03	0.026	0.11	16.4	33.0	0.86	680	3.71	0.02
YY14697		2.69	27.5	3.80	7.40	<0.05	0.09	0.06	0.032	0.12	16.6	31.5	0.82	793	3.64	0.01
YY14698		2.67	26.5	3.70	7.27	<0.05	0.07	0.04	0.031	0.10	15.7	31.6	0.80	490	3.41	0.01
YY14699		3.48	34.6	4.10	7.65	<0.05	0.04	0.04	0.030	0.17	15.6	36.7	0.99	720	3.68	0.06
YY14700		1.74	23.7	2.90	4.48	<0.05	0.04	0.04	0.028	0.08	15.8	21.3	1.06	531	1.50	0.03

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Project: RAU(BOBCAT ZONE)

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Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY14661		0.63	52.3	1260	69.8	11.7	<0.001	0.02	6.11	4.7	2.4	1.9	26.5	<0.01	0.11	3.6
YY14662		0.22	32.6	1490	52.6	17.2	<0.001	0.11	7.04	1.3	3.4	2.3	28.2	<0.01	0.12	0.3
YY14663		0.68	22.3	1370	22.0	13.6	0.001	0.03	4.00	2.2	3.6	1.4	16.0	<0.01	0.09	0.7
YY14664		0.57	43.2	1230	46.7	15.7	0.001	0.05	5.99	3.9	2.9	1.9	35.7	<0.01	0.07	3.7
YY14665		0.47	30.0	1030	41.0	13.3	0.001	0.04	4.31	3.7	2.1	1.5	28.0	<0.01	0.06	3.5
YY14666		0.47	29.6	1130	42.9	14.0	0.001	0.03	3.31	3.1	2.0	1.5	24.1	<0.01	0.06	2.3
YY14667		0.35	28.6	1040	50.5	9.3	<0.001	0.06	5.15	2.4	3.4	1.5	26.4	<0.01	0.07	1.7
YY14668		0.35	23.4	1000	35.4	6.1	<0.001	0.04	3.38	2.0	2.2	1.1	26.1	<0.01	0.06	2.6
YY14669		0.43	43.5	1300	24.9	22.0	<0.001	0.06	1.52	3.2	1.2	0.5	28.1	<0.01	0.03	2.1
YY14670		0.27	52.0	1450	34.0	18.7	0.001	0.04	1.78	6.7	1.4	0.8	69.5	<0.01	0.07	5.1
YY14671		0.47	33.5	980	31.2	12.0	<0.001	0.03	1.29	3.1	0.5	0.6	22.3	<0.01	0.03	2.4
YY14672		0.52	41.5	1060	35.4	12.4	<0.001	0.02	1.64	4.1	0.4	0.6	34.1	<0.01	0.04	4.2
YY14673		0.48	27.4	1150	23.0	10.1	<0.001	0.03	1.10	2.5	0.7	0.4	46.8	<0.01	0.03	2.0
YY14674		0.54	31.6	790	28.1	11.5	<0.001	0.01	1.22	2.9	0.6	0.5	22.6	<0.01	0.05	2.5
YY14675		0.48	28.7	680	32.3	10.9	<0.001	0.01	1.19	2.7	0.5	0.5	16.5	<0.01	0.03	2.4
YY14676		0.52	37.3	1050	36.4	11.8	<0.001	0.03	1.29	2.4	0.6	0.4	24.4	<0.01	0.04	1.9
YY14677		0.52	34.8	1490	172.0	12.4	<0.001	0.02	1.62	3.1	0.5	1.2	26.0	<0.01	0.05	2.5
YY14678		1.24	12.3	370	173.5	7.7	0.001	<0.01	9.48	1.8	2.9	35.5	7.4	<0.01	0.09	2.6
YY14679		0.91	14.2	490	96.5	7.2	0.002	0.01	5.46	2.1	2.7	3.1	12.7	<0.01	0.09	1.5
YY14680		0.44	6.8	600	105.0	6.0	<0.001	0.12	13.65	0.7	9.9	6.9	18.5	<0.01	0.21	0.4
YY14681		0.69	20.2	500	41.2	7.9	<0.001	<0.01	4.23	3.2	2.0	2.3	10.1	<0.01	0.06	1.9
YY14682		0.32	10.3	670	67.5	7.0	<0.001	0.09	10.05	1.3	8.6	2.2	89.6	<0.01	0.13	5.6
YY14683		0.51	23.3	820	29.4	8.8	<0.001	0.01	1.86	3.3	1.0	0.9	14.1	<0.01	0.05	2.1
YY14684		0.55	14.5	810	28.1	6.4	<0.001	0.03	4.97	1.4	3.6	1.6	25.7	<0.01	0.08	0.6
YY14685		0.14	15.6	670	42.4	7.3	<0.001	0.08	6.96	1.8	5.7	2.4	21.8	<0.01	0.13	3.4
YY14686		0.28	17.3	760	40.2	8.7	<0.001	0.02	3.22	1.4	2.9	1.2	17.0	<0.01	0.06	1.0
YY14687		0.27	17.5	770	27.4	8.8	<0.001	0.03	2.99	2.1	2.3	0.4	15.8	<0.01	0.07	1.8
YY14688		0.30	35.4	980	34.5	10.2	<0.001	0.03	3.69	4.6	1.8	0.4	23.7	<0.01	0.06	4.3
YY14689		0.33	32.6	1520	30.4	12.9	<0.001	0.04	2.27	2.9	1.3	0.4	29.2	<0.01	0.04	1.8
YY14690		0.21	38.1	910	31.0	11.8	<0.001	0.03	2.47	2.9	1.4	0.4	23.3	<0.01	0.05	3.9
YY14691		0.24	43.4	1450	24.1	15.4	0.002	0.04	1.99	2.6	1.8	0.3	24.6	<0.01	0.04	2.3
YY14692		0.42	45.4	1200	31.2	15.7	<0.001	0.03	1.71	4.5	1.0	0.6	49.1	<0.01	0.05	3.5
YY14693		0.89	51.2	1220	26.4	38.3	<0.001	0.11	1.22	8.6	1.0	1.0	66.4	<0.01	0.03	3.9
YY14694		0.67	53.2	900	29.0	22.9	<0.001	0.03	1.08	4.7	0.4	0.6	24.5	<0.01	0.02	8.0
YY14695		0.62	42.0	690	20.2	22.6	<0.001	0.02	0.87	3.8	0.4	0.5	21.8	<0.01	0.03	5.6
YY14696		0.15	47.8	1180	28.3	13.3	<0.001	0.05	1.45	3.7	0.4	0.4	38.8	<0.01	0.03	7.3
YY14697		0.54	42.8	1260	23.9	24.7	<0.001	0.05	1.02	4.5	0.6	0.5	27.7	0.01	0.04	3.2
YY14698		0.55	38.9	1160	23.1	19.3	<0.001	0.03	0.92	4.1	0.8	0.5	29.5	<0.01	0.04	3.3
YY14699		0.31	44.0	1250	27.0	23.0	<0.001	0.05	1.10	4.7	0.5	0.5	56.3	<0.01	0.05	6.0
YY14700		0.53	34.5	1070	40.6	12.7	<0.001	<0.01	1.24	3.7	0.3	0.6	40.2	<0.01	0.03	4.0

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

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

Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY14661		0.045	0.69	2.04	72	0.37	12.25	281	1.2
YY14662		0.017	0.76	5.02	65	0.38	6.94	115	<0.5
YY14663		0.029	0.98	6.00	65	0.45	4.96	76	<0.5
YY14664		0.022	0.59	4.31	54	0.28	11.80	128	3.8
YY14665		0.017	0.35	1.69	48	0.38	11.35	125	4.0
YY14666		0.017	0.34	1.80	49	0.28	9.81	147	2.5
YY14667		0.017	0.39	1.49	36	0.25	10.15	117	1.9
YY14668		0.021	0.34	0.83	34	0.24	7.21	134	1.2
YY14669		0.025	0.39	1.83	48	0.15	11.35	265	2.5
YY14670		0.069	0.84	2.32	63	0.11	13.90	293	3.7
YY14671		0.021	0.28	1.01	46	0.24	11.35	178	2.1
YY14672		0.033	0.34	1.30	47	0.64	16.85	201	2.8
YY14673		0.026	0.27	1.08	35	0.15	10.95	144	2.4
YY14674		0.023	0.19	0.87	44	0.22	13.25	141	2.3
YY14675		0.020	0.26	0.75	45	0.24	11.25	175	1.3
YY14676		0.022	0.29	0.97	40	0.29	13.75	417	1.6
YY14677		0.020	0.33	1.21	41	0.43	22.9	583	1.7
YY14678		0.036	0.18	1.49	61	0.71	2.48	55	1.0
YY14679		0.037	0.21	2.65	56	0.47	4.38	58	0.6
YY14680		0.037	0.41	1.78	86	1.11	2.14	32	<0.5
YY14681		0.031	0.22	1.20	50	0.35	7.65	75	0.6
YY14682		0.014	0.32	5.64	38	0.35	5.04	41	0.9
YY14683		0.019	0.17	1.78	49	0.25	12.80	101	1.9
YY14684		0.025	0.21	2.14	51	0.35	5.17	53	<0.5
YY14685		0.015	0.45	0.94	46	0.22	5.09	98	3.6
YY14686		0.013	0.29	0.84	44	0.15	4.91	87	0.7
YY14687		0.011	0.30	0.87	48	0.18	7.31	77	1.4
YY14688		0.015	0.30	1.15	46	0.16	16.80	124	2.8
YY14689		0.013	0.20	1.78	41	0.14	15.00	148	3.0
YY14690		0.010	0.32	1.01	38	0.12	9.63	142	1.8
YY14691		0.010	0.34	1.57	39	0.12	12.75	213	3.8
YY14692		0.036	0.37	1.88	52	0.12	12.60	250	3.0
YY14693		0.101	0.77	4.62	101	0.30	10.05	494	4.3
YY14694		0.035	0.40	1.25	50	0.14	7.83	153	5.3
YY14695		0.036	0.32	1.26	45	0.13	9.68	121	1.5
YY14696		0.029	0.31	1.27	38	0.08	11.80	136	3.8
YY14697		0.037	0.33	2.28	53	0.18	12.00	149	3.1
YY14698		0.032	0.34	1.75	52	0.17	10.15	113	2.3
YY14699		0.033	0.44	1.58	50	0.19	9.94	135	1.7
YY14700		0.033	0.24	0.77	38	0.63	12.55	191	1.5

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Finalized Date: 10- OCT- 2018
Account: RCM

Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	WEI- 21	Au- ICP21	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Recvd Wt.	Au	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOD	0.02	0.001	0.01	0.01	0.1	0.02	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
YY14701		0.70	<0.001	0.33	1.22	12.5	<0.02	<10	260	0.64	0.21	1.91	1.23	21.7	8.7	25
YY14702		0.57	<0.001	0.43	1.24	12.1	<0.02	<10	300	0.59	0.21	2.72	1.51	20.0	8.3	23
YY14703		0.49	0.005	0.36	1.65	15.5	<0.02	<10	330	0.71	0.35	0.73	1.55	22.1	9.8	28
YY14704		0.68	<0.001	0.35	1.21	14.9	<0.02	<10	270	0.61	0.23	5.50	1.49	17.20	9.9	21
YY14705		0.41	0.002	0.47	1.82	15.4	<0.02	<10	330	0.76	0.34	0.98	2.62	21.2	13.6	28
YY14706		0.56	0.002	0.93	1.55	25.8	<0.02	<10	340	0.79	0.46	0.52	2.03	28.6	11.7	27
YY14707		0.49	<0.001	0.36	1.70	16.6	<0.02	<10	320	0.76	0.43	0.54	0.70	24.9	10.1	29
YY14708		0.50	<0.001	0.19	2.39	14.6	<0.02	<10	350	1.09	0.47	0.24	1.00	29.1	11.3	30
YY14709		0.57	0.003	0.44	1.90	22.1	<0.02	<10	500	0.91	0.73	0.59	1.34	29.6	12.4	35
YY14710		0.61	<0.001	0.32	1.87	18.4	<0.02	<10	460	0.79	0.45	0.46	3.08	27.4	13.7	30
YY14711		0.50	<0.001	0.65	1.51	23.7	<0.02	<10	850	0.58	0.80	0.45	0.50	21.7	8.2	31
YY14712		0.48	0.001	0.86	1.29	31.7	<0.02	<10	1300	0.51	0.76	0.67	1.08	25.4	5.6	28
YY14713		0.47	<0.001	1.30	1.37	31.4	<0.02	<10	1180	0.55	0.78	0.50	0.89	28.8	5.8	36
YY14714		0.37	0.014	2.52	1.23	108.5	<0.02	<10	2170	0.74	1.33	0.67	1.61	30.7	8.4	33
YY14715		0.55	<0.001	1.36	1.52	27.7	<0.02	<10	260	0.57	0.79	0.07	0.72	25.7	5.9	27
YY14716		0.53	0.001	0.80	1.55	26.0	<0.02	<10	660	0.66	1.54	0.24	1.23	24.6	8.3	30
YY14717		0.44	<0.001	0.57	1.20	29.4	<0.02	<10	300	0.48	1.70	0.37	1.05	20.2	7.5	26

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Finalized Date: 10- OCT- 2018
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Project: RAU(BOBCAT ZONE)

CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
	Units	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
	LOD	0.05	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01
YY14701		1.16	24.1	2.41	3.37	<0.05	0.05	0.05	0.023	0.07	13.3	16.8	1.14	469	1.54	0.02
YY14702		1.08	23.4	2.42	3.31	<0.05	0.05	0.06	0.025	0.06	12.4	16.0	1.63	643	1.36	0.02
YY14703		1.80	22.6	2.81	4.59	<0.05	0.05	0.05	0.029	0.06	13.2	20.1	0.56	478	1.85	0.01
YY14704		1.48	24.1	2.39	3.12	0.05	0.06	0.03	0.020	0.07	10.4	16.3	1.59	651	1.65	0.04
YY14705		2.44	22.9	2.65	5.24	<0.05	0.03	0.04	0.034	0.06	11.6	22.2	0.57	637	3.11	0.01
YY14706		1.81	37.9	3.11	4.12	0.06	0.06	0.09	0.047	0.09	16.0	19.8	0.66	642	4.64	0.02
YY14707		1.90	23.9	2.99	4.62	<0.05	0.05	0.04	0.032	0.08	13.7	20.1	0.53	553	3.09	0.01
YY14708		1.56	24.3	3.00	4.94	0.05	0.06	0.03	0.034	0.06	12.5	19.2	0.48	380	1.98	0.01
YY14709		1.78	40.2	3.56	5.12	0.06	0.07	0.05	0.041	0.10	16.2	28.4	0.84	756	3.10	0.02
YY14710		2.12	28.1	3.28	5.24	0.05	0.05	0.07	0.033	0.09	15.4	23.3	0.62	781	2.49	<0.01
YY14711		1.51	24.0	2.51	4.53	<0.05	0.07	0.09	0.047	0.06	11.9	17.1	0.50	582	6.18	<0.01
YY14712		1.47	32.8	1.94	3.90	0.05	0.08	0.14	0.060	0.06	14.1	12.4	0.36	216	7.44	<0.01
YY14713		1.76	35.5	1.95	4.18	0.06	0.09	0.20	0.064	0.07	16.3	14.2	0.37	343	8.35	<0.01
YY14714		1.64	91.3	3.27	3.62	0.07	0.10	0.53	0.112	0.05	18.1	10.5	0.30	418	19.25	<0.01
YY14715		1.96	37.3	3.15	5.43	<0.05	0.05	0.13	0.050	0.05	13.9	14.1	0.25	196	7.56	<0.01
YY14716		1.94	38.1	2.92	4.29	0.05	0.04	0.14	0.056	0.08	14.1	17.3	0.44	699	5.45	<0.01
YY14717		1.42	38.6	3.17	3.65	<0.05	<0.02	0.07	0.074	0.07	10.6	13.4	0.38	495	5.86	<0.01

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CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.05	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2
YY14701		0.49	30.5	930	34.5	9.1	<0.001	0.01	1.14	3.3	0.3	0.5	27.1	<0.01	0.03	3.5
YY14702		0.43	29.3	890	33.3	9.1	<0.001	0.02	1.05	3.0	0.4	0.4	28.7	<0.01	0.03	2.3
YY14703		0.51	32.1	1100	27.8	15.8	<0.001	0.04	1.08	3.0	0.5	0.5	22.2	<0.01	0.03	1.7
YY14704		0.27	33.9	870	31.2	10.5	<0.001	0.02	1.27	3.2	0.5	0.4	61.1	<0.01	0.03	3.6
YY14705		0.42	32.1	1230	24.5	18.5	0.001	0.05	1.26	2.3	0.9	0.6	25.2	<0.01	0.04	1.0
YY14706		0.36	43.3	1120	38.5	12.1	<0.001	0.04	3.21	4.9	2.4	1.0	27.6	<0.01	0.05	4.6
YY14707		0.53	33.0	1160	39.0	15.8	0.001	0.03	1.32	3.2	1.0	0.6	23.8	<0.01	0.04	2.5
YY14708		0.71	48.5	610	33.1	11.5	<0.001	0.02	1.05	3.5	0.8	0.7	24.9	<0.01	0.03	3.7
YY14709		0.55	47.8	940	47.8	12.7	<0.001	0.02	1.96	4.7	0.8	1.1	29.3	<0.01	0.04	5.4
YY14710		0.58	42.3	1000	29.7	15.5	<0.001	0.03	1.61	3.7	0.9	0.8	27.3	<0.01	0.05	3.1
YY14711		0.43	25.5	1500	46.5	13.4	<0.001	0.04	2.49	2.6	1.3	1.2	22.7	<0.01	0.06	1.5
YY14712		0.53	22.9	1320	101.5	10.1	0.001	0.06	4.19	2.4	3.3	2.1	31.9	<0.01	0.06	2.0
YY14713		0.57	25.6	1590	75.7	11.3	0.001	0.04	3.88	3.2	3.7	5.0	37.8	<0.01	0.09	2.9
YY14714		0.38	32.4	2030	555	9.9	0.001	0.09	9.37	3.4	7.4	8.5	93.4	<0.01	0.13	2.2
YY14715		0.98	26.0	720	59.5	10.0	0.001	0.02	2.27	2.4	2.5	1.7	39.8	<0.01	0.07	3.3
YY14716		0.48	40.3	1130	59.6	14.7	<0.001	0.03	2.75	3.3	2.3	2.0	27.7	<0.01	0.06	2.4
YY14717		0.49	35.7	790	80.2	12.4	<0.001	0.04	3.49	1.6	2.8	2.0	21.9	<0.01	0.06	1.0

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CERTIFICATE OF ANALYSIS WH18217205

Sample Description	Method	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41	ME- MS41
	Analyte	Ti	Tl	U	V	W	Y	Zn	Zr
	Units	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOD	0.005	0.02	0.05	1	0.05	0.05	2	0.5
YY14701		0.025	0.21	0.63	32	0.26	12.15	189	2.0
YY14702		0.020	0.18	0.67	34	0.22	12.25	195	1.7
YY14703		0.023	0.28	1.10	41	0.29	11.95	240	1.5
YY14704		0.025	0.36	0.76	31	0.25	11.05	225	3.0
YY14705		0.024	0.40	1.47	44	0.22	9.60	223	0.9
YY14706		0.033	0.53	1.39	47	0.31	14.10	221	2.9
YY14707		0.022	0.30	1.24	44	0.72	10.20	185	1.7
YY14708		0.021	0.25	1.20	47	1.14	8.62	132	2.1
YY14709		0.039	0.41	1.25	53	1.31	12.50	214	3.2
YY14710		0.025	0.30	1.46	47	0.30	10.90	213	1.5
YY14711		0.019	0.43	2.78	59	0.40	7.78	160	2.0
YY14712		0.018	0.64	4.14	71	0.36	8.68	127	2.6
YY14713		0.019	1.02	5.34	71	0.42	10.95	138	3.2
YY14714		0.014	2.39	8.14	134	1.09	13.15	338	3.2
YY14715		0.030	0.62	2.02	81	0.55	5.82	190	1.7
YY14716		0.022	0.60	2.50	78	0.50	11.45	305	1.3
YY14717		0.022	0.51	1.57	88	0.62	5.00	263	<0.5

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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 10- OCT- 2018
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CERTIFICATE OF ANALYSIS WH18217205

CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi- quantitative due to the small sample weight used (0.5g).
ME- MS41

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG- 22 SCR- 41 WEI- 21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au- ICP21 ME- MS41

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Finalized Date: 20-JUL-2018
Account: RCM

CERTIFICATE WH18157131

Project: RAU

This report is for 270 Soil samples submitted to our lab in Whitehorse, YT, Canada on 2-JUL-2018.

The following have access to data associated with this certificate:

ANDREW CARNE	JULIA LANE	

SAMPLE PREPARATION

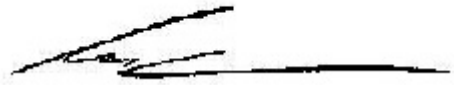
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

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

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

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

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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

Project: RAU

Finalized Date: 20-JUL-2018
Account: RCM

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00001		0.28	0.005	0.3	1.59	83	<10	120	<0.5	3	0.08	<0.5	5	38	24	5.45
YY00002		0.42	0.004	0.7	1.45	133	<10	120	0.6	2	0.08	<0.5	8	30	33	3.84
YY00003		0.23	0.003	0.4	2.07	55	<10	130	0.7	<2	0.07	<0.5	11	33	32	3.59
YY00004		0.18	0.011	0.3	1.67	80	<10	80	<0.5	<2	0.06	<0.5	7	30	34	3.33
YY00005		0.30	0.007	0.6	1.37	50	<10	80	0.5	<2	0.04	<0.5	4	25	74	2.46
YY00006		0.27	0.005	0.5	2.15	51	<10	90	0.8	<2	0.05	<0.5	8	41	43	3.97
YY00007		0.18	0.007	0.9	0.91	41	<10	60	<0.5	<2	0.05	<0.5	3	20	30	1.84
YY00008		0.24	0.003	0.2	1.81	36	<10	100	0.5	<2	0.06	<0.5	9	33	27	3.47
YY00009		0.27	0.001	1.1	1.50	59	<10	90	<0.5	<2	0.04	<0.5	5	35	19	4.18
YY00010		0.39	0.017	1.1	1.26	185	<10	150	1.1	6	0.13	0.5	28	25	91	5.77
YY00011		0.16	0.004	0.4	1.44	62	<10	140	0.5	2	0.08	<0.5	9	31	30	3.13
YY00012		0.17	0.028	1.3	0.67	141	<10	80	<0.5	7	0.03	<0.5	3	23	26	3.32
YY00013		0.28	0.008	0.2	1.65	63	<10	290	0.8	2	0.22	<0.5	12	38	44	3.97
YY00014		0.26	0.005	0.3	1.40	25	<10	100	0.5	<2	0.13	<0.5	8	28	28	3.48
YY00015		0.17	0.021	0.8	1.40	143	<10	130	0.8	50	0.06	<0.5	4	37	61	4.09
YY00016		0.24	0.007	0.6	1.02	75	<10	80	<0.5	<2	0.11	<0.5	7	23	30	2.93
YY00017		0.19	<0.001	1.2	1.63	47	<10	90	0.5	<2	0.04	<0.5	6	33	57	3.86
YY00018		0.28	0.005	0.3	1.44	106	<10	70	<0.5	<2	0.05	<0.5	5	29	18	3.26
YY00019		0.29	0.012	1.2	1.28	69	<10	90	<0.5	<2	0.06	<0.5	6	28	35	2.99
YY00020		0.28	0.005	0.6	1.25	94	<10	90	<0.5	<2	0.08	<0.5	5	25	23	2.98
YY00021		0.27	0.002	0.4	1.57	67	<10	100	<0.5	<2	0.06	<0.5	7	30	27	3.68
YY00022		0.14	0.008	0.9	1.22	47	<10	80	<0.5	<2	0.07	<0.5	5	23	28	2.72
YY00023		0.35	0.010	1.3	1.20	182	<10	110	0.5	<2	0.05	<0.5	5	32	53	4.55
YY00024		0.27	0.006	4.1	1.72	101	<10	120	0.8	2	0.09	1.0	22	32	51	3.89
YY00025		0.18	0.013	7.7	1.68	184	<10	110	0.5	4	0.09	<0.5	6	39	88	4.45
YY00026		0.31	0.011	5.5	1.49	106	<10	110	0.7	<2	0.13	0.9	30	26	110	3.84
YY00027		0.47	0.020	15.2	1.87	154	<10	130	0.9	12	0.09	1.0	36	30	141	4.22
YY00028		0.27	0.006	2.4	1.28	64	<10	110	<0.5	<2	0.05	<0.5	6	32	25	4.42
YY00029		0.30	0.005	2.6	1.48	62	<10	120	<0.5	2	0.04	<0.5	6	30	36	3.65
YY00030		0.19	<0.001	1.7	1.82	43	<10	130	0.5	<2	0.05	<0.5	5	30	18	3.53
YY00031		0.29	0.010	1.5	1.63	198	<10	180	0.9	7	0.07	<0.5	13	34	114	8.07
YY00032		0.34	0.006	0.5	1.27	89	<10	90	0.5	<2	0.07	<0.5	6	27	57	3.22
YY00033		0.28	0.005	1.8	2.01	76	<10	160	0.9	2	0.13	<0.5	16	32	63	3.48
YY00034		0.34	0.009	4.5	1.86	122	<10	160	0.8	2	0.12	0.7	20	32	81	4.08
YY00035		0.21	0.003	0.3	1.36	80	<10	60	<0.5	<2	0.04	<0.5	4	26	25	3.51
YY00036		0.41	0.010	5.6	1.98	104	<10	120	0.6	3	0.09	<0.5	15	32	88	3.96
YY00037		0.26	0.005	2.7	1.79	87	<10	150	0.6	<2	0.08	<0.5	13	29	43	3.36
YY00038		0.22	0.001	1.4	1.12	33	<10	80	<0.5	<2	0.04	<0.5	4	20	19	2.75
YY00039		0.19	0.004	1.8	1.60	41	<10	140	0.6	<2	0.06	0.9	17	29	39	3.32
YY00040		0.16	0.003	0.7	1.60	50	<10	120	0.5	<2	0.05	<0.5	12	28	32	3.31

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00001		10	<1	0.10	10	0.26	161	5	<0.01	16	1040	14	0.07	<2	2	14
YY00002		<10	<1	0.10	10	0.27	237	2	<0.01	21	1000	30	0.05	<2	1	15
YY00003		10	<1	0.08	10	0.33	278	2	<0.01	24	600	21	0.03	<2	3	12
YY00004		10	<1	0.07	10	0.29	185	3	<0.01	19	790	17	0.05	2	1	10
YY00005		10	<1	0.06	10	0.16	98	2	<0.01	16	670	14	0.05	<2	<1	8
YY00006		10	<1	0.08	10	0.29	157	3	<0.01	27	770	13	0.05	<2	1	9
YY00007		<10	<1	0.05	10	0.12	58	2	<0.01	14	920	13	0.09	<2	<1	8
YY00008		10	<1	0.07	10	0.33	207	2	<0.01	23	680	16	0.02	<2	2	10
YY00009		10	<1	0.08	10	0.24	164	2	<0.01	18	690	25	0.03	<2	2	9
YY00010		<10	<1	0.10	20	0.26	679	3	<0.01	49	1570	205	0.04	<2	2	52
YY00011		<10	<1	0.09	10	0.33	177	2	<0.01	30	860	17	0.04	<2	2	19
YY00012		<10	<1	0.08	10	0.10	95	3	<0.01	10	900	23	0.09	3	1	26
YY00013		<10	<1	0.12	20	0.43	244	2	0.01	38	1350	23	0.05	<2	2	29
YY00014		<10	<1	0.08	10	0.39	224	2	<0.01	25	810	17	0.02	<2	2	16
YY00015		<10	<1	0.15	10	0.27	118	4	<0.01	19	1500	15	0.14	3	1	28
YY00016		<10	<1	0.08	10	0.25	172	1	<0.01	28	980	14	0.05	2	2	17
YY00017		10	<1	0.04	10	0.16	109	3	<0.01	26	820	21	0.06	<2	1	8
YY00018		10	<1	0.06	10	0.26	150	2	<0.01	14	390	14	0.02	<2	2	9
YY00019		<10	<1	0.08	10	0.25	149	2	<0.01	18	790	17	0.06	<2	1	11
YY00020		<10	<1	0.08	10	0.26	150	2	<0.01	15	920	15	0.05	3	1	11
YY00021		10	<1	0.07	10	0.29	195	3	<0.01	18	620	22	0.04	<2	2	11
YY00022		10	<1	0.07	10	0.17	137	2	<0.01	17	820	15	0.07	<2	1	9
YY00023		<10	<1	0.10	10	0.16	151	4	<0.01	16	1270	29	0.09	4	1	13
YY00024		10	<1	0.11	10	0.33	564	3	<0.01	41	1140	38	0.07	3	2	15
YY00025		<10	<1	0.14	20	0.34	172	3	0.01	24	1780	174	0.16	5	1	21
YY00026		<10	<1	0.11	20	0.31	782	2	<0.01	67	1480	42	0.05	5	2	18
YY00027		<10	<1	0.11	20	0.35	972	2	<0.01	67	1430	71	0.06	12	3	18
YY00028		10	<1	0.08	10	0.26	242	2	<0.01	21	930	18	0.04	4	1	12
YY00029		10	<1	0.09	10	0.26	159	2	<0.01	22	680	17	0.04	2	2	10
YY00030		10	<1	0.07	10	0.25	259	2	<0.01	16	820	15	0.03	<2	2	9
YY00031		<10	<1	0.12	20	0.25	219	4	0.01	35	2480	23	0.16	3	2	45
YY00032		<10	<1	0.08	10	0.18	156	3	<0.01	18	920	22	0.05	2	1	12
YY00033		<10	<1	0.10	10	0.42	320	2	<0.01	37	1060	23	0.06	<2	3	17
YY00034		<10	<1	0.13	20	0.38	495	3	<0.01	38	1430	46	0.09	4	2	21
YY00035		10	<1	0.04	10	0.15	128	2	<0.01	15	710	15	0.05	2	1	8
YY00036		10	<1	0.10	20	0.38	321	2	<0.01	25	1270	35	0.06	2	2	15
YY00037		<10	<1	0.09	10	0.36	245	2	<0.01	36	800	15	0.03	2	3	13
YY00038		10	<1	0.05	10	0.10	190	2	<0.01	12	650	15	0.03	<2	1	7
YY00039		10	<1	0.07	10	0.25	584	1	<0.01	31	1080	24	0.06	2	1	9
YY00040		10	<1	0.06	10	0.27	197	2	<0.01	35	430	14	0.02	<2	2	8

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
YY00001		<20	0.06	<10	<10	85	<10	50
YY00002		<20	0.03	<10	<10	59	<10	82
YY00003		<20	0.04	<10	<10	66	<10	77
YY00004		<20	0.03	<10	<10	59	<10	62
YY00005		<20	0.03	<10	<10	65	<10	42
YY00006		<20	0.05	<10	<10	72	<10	89
YY00007		<20	0.02	<10	<10	38	<10	42
YY00008		<20	0.05	<10	<10	67	<10	90
YY00009		<20	0.05	<10	<10	81	<10	76
YY00010		<20	0.03	<10	<10	45	10	489
YY00011		<20	0.03	<10	<10	53	<10	100
YY00012		<20	0.04	<10	<10	72	20	59
YY00013		<20	0.04	<10	<10	64	<10	148
YY00014		<20	0.04	<10	<10	48	<10	94
YY00015		<20	0.03	<10	<10	64	<10	62
YY00016		<20	0.04	<10	<10	41	<10	81
YY00017		<20	0.03	<10	<10	78	<10	77
YY00018		<20	0.05	<10	<10	66	<10	50
YY00019		<20	0.04	<10	<10	54	<10	74
YY00020		<20	0.04	<10	<10	51	<10	67
YY00021		<20	0.05	<10	<10	70	<10	76
YY00022		<20	0.04	<10	<10	59	<10	63
YY00023		<20	0.03	<10	<10	65	<10	93
YY00024		<20	0.04	<10	<10	57	<10	225
YY00025		<20	0.02	<10	<10	63	<10	103
YY00026		<20	0.03	<10	<10	46	<10	171
YY00027		<20	0.04	<10	<10	52	<10	193
YY00028		<20	0.04	<10	<10	67	<10	78
YY00029		<20	0.04	<10	<10	68	<10	62
YY00030		<20	0.03	<10	<10	75	<10	84
YY00031		<20	0.04	<10	<10	55	<10	91
YY00032		<20	0.03	<10	<10	58	<10	68
YY00033		<20	0.04	<10	<10	49	<10	135
YY00034		<20	0.04	<10	<10	53	<10	169
YY00035		<20	0.04	<10	<10	78	<10	50
YY00036		<20	0.03	<10	<10	57	<10	98
YY00037		<20	0.03	<10	<10	49	<10	88
YY00038		<20	0.04	<10	<10	74	<10	49
YY00039		<20	0.02	<10	<10	62	<10	96
YY00040		<20	0.03	<10	<10	63	<10	93

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00041		0.18	0.028	2.9	2.24	129	<10	160	1.3	2	0.10	0.6	45	35	87	4.83
YY00042		0.14	0.002	1.8	2.73	52	<10	140	1.3	2	0.10	<0.5	14	29	266	3.58
YY00043		0.12	0.005	0.4	1.78	36	<10	90	0.7	<2	0.04	<0.5	6	30	41	3.63
YY00044		0.17	0.001	0.4	1.66	24	<10	110	0.5	<2	0.05	<0.5	5	29	26	3.34
YY00045		0.14	0.026	1.6	2.58	135	<10	210	1.2	3	0.05	<0.5	17	44	99	5.55
YY00046		0.36	0.001	0.4	1.38	24	<10	90	<0.5	<2	0.04	<0.5	5	27	30	3.79
YY00047		0.17	0.001	0.2	1.92	25	<10	130	0.7	<2	0.07	<0.5	11	29	37	3.87
YY00048		0.09	0.012	4.5	1.08	119	<10	90	<0.5	3	0.08	<0.5	5	30	44	2.96
YY00049		0.20	0.005	0.9	0.92	89	<10	70	<0.5	3	0.03	<0.5	2	17	20	2.53
YY00050		0.08	<0.001	5.2	1.06	87	<10	80	<0.5	<2	0.06	<0.5	3	23	40	2.47
YY00051		0.24	0.005	1.0	1.62	68	<10	90	0.5	<2	0.08	<0.5	10	33	31	4.00
YY00052		0.45	0.006	1.0	1.07	113	<10	90	0.6	2	0.09	<0.5	6	27	46	3.65
YY00053		0.39	0.003	0.4	0.87	107	<10	70	0.5	3	0.03	<0.5	4	25	30	3.64
YY00054		0.38	0.009	0.8	1.11	157	<10	130	0.7	7	0.10	<0.5	7	29	52	3.89
YY00055		0.33	0.008	0.6	1.66	67	<10	130	1.3	2	0.10	<0.5	15	33	71	4.08
YY00056		0.34	0.004	0.4	1.98	54	<10	130	1.1	2	0.06	<0.5	15	34	48	3.66
YY00057		0.27	0.001	<0.2	1.52	14	<10	200	1.2	3	0.31	<0.5	14	27	129	5.19
YY00058		0.12	<0.001	0.2	1.60	13	<10	180	1.2	3	0.42	<0.5	13	26	123	4.46
YY00059		0.36	0.009	0.3	1.17	59	<10	90	1.0	3	0.08	<0.5	8	28	50	3.51
YY00060		0.26	0.056	0.4	1.07	98	<10	90	0.5	7	0.03	<0.5	4	27	62	3.77
YY00061		0.38	0.013	0.3	1.08	97	<10	110	0.8	3	0.08	<0.5	7	27	49	4.00
YY00062		0.41	0.007	0.3	1.05	119	<10	80	0.7	<2	0.06	<0.5	5	26	89	3.80
YY00063		0.28	<0.001	0.2	0.81	72	<10	60	<0.5	<2	0.04	<0.5	2	22	25	2.85
YY00064		0.24	0.009	0.6	1.24	125	<10	90	<0.5	4	0.05	<0.5	4	29	32	3.25
YY00065		0.24	0.002	0.4	0.70	86	<10	80	<0.5	2	0.04	<0.5	2	18	25	2.73
YY00066		0.15	0.020	0.8	1.55	290	<10	130	0.5	11	0.09	0.5	7	31	76	3.39
YY00067		0.34	0.007	1.4	0.90	191	<10	90	<0.5	5	0.05	<0.5	4	25	27	3.58
YY00068		0.26	0.019	0.7	0.97	198	<10	70	<0.5	2	0.04	<0.5	3	21	29	2.47
YY00069		0.28	0.017	0.9	1.11	264	<10	80	<0.5	11	0.04	<0.5	3	26	55	3.27
YY00070		0.27	0.020	5.4	1.30	374	<10	110	0.6	4	0.05	1.1	4	29	58	4.76
YY00071		0.46	0.044	0.8	1.23	451	<10	180	0.6	5	0.12	<0.5	4	41	63	6.69
YY00072		0.39	0.019	1.3	1.84	429	<10	250	1.0	5	0.09	<0.5	8	50	95	7.17
YY00073		0.34	0.025	9.1	1.60	259	<10	110	0.7	6	0.07	0.6	10	32	66	4.70
YY00074		0.32	0.006	0.2	2.00	63	<10	140	0.7	3	0.04	<0.5	5	32	28	4.56
YY00075		0.54	0.020	0.5	1.63	480	<10	180	0.9	8	0.10	<0.5	9	32	49	5.31
YY00076		0.44	0.001	0.4	2.42	58	<10	220	1.1	6	0.03	<0.5	6	41	42	6.27
YY00077		0.31	0.002	0.2	1.93	76	<10	180	1.3	3	0.07	<0.5	14	33	66	5.44
YY00078		0.23	0.015	0.3	1.53	142	<10	120	0.9	4	0.05	<0.5	12	32	69	4.72
YY00079		0.37	0.025	0.3	2.70	184	<10	260	2.4	5	0.04	<0.5	18	36	195	9.48
YY00080		0.25	0.045	0.6	1.98	114	<10	160	1.0	7	0.06	<0.5	12	35	74	4.87

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

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

Finalized Date: 20-JUL-2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00041		<10	<1	0.13	10	0.33	1560	3	<0.01	72	2070	17	0.08	<2	2	24
YY00042		<10	<1	0.10	20	0.32	155	3	<0.01	64	1300	31	0.08	<2	3	17
YY00043		10	<1	0.06	10	0.20	132	3	<0.01	18	570	12	0.05	<2	1	9
YY00044		10	<1	0.06	10	0.23	181	2	<0.01	16	460	14	0.03	<2	2	9
YY00045		10	<1	0.16	10	0.46	332	2	0.01	36	860	13	0.10	<2	3	16
YY00046		10	1	0.07	10	0.23	147	2	<0.01	13	580	12	0.04	2	2	8
YY00047		10	<1	0.07	10	0.34	235	2	<0.01	33	530	13	0.03	<2	2	11
YY00048		<10	<1	0.09	10	0.19	86	3	0.01	21	1410	50	0.12	2	<1	14
YY00049		10	<1	0.04	10	0.07	84	3	<0.01	10	630	12	0.04	<2	1	7
YY00050		<10	<1	0.08	10	0.19	81	2	<0.01	14	1160	41	0.09	2	1	12
YY00051		10	<1	0.08	10	0.32	258	3	<0.01	22	1060	16	0.04	<2	2	13
YY00052		<10	<1	0.10	10	0.25	221	2	<0.01	20	1130	26	0.05	3	1	18
YY00053		<10	<1	0.08	10	0.15	164	2	<0.01	15	960	42	0.07	3	<1	20
YY00054		<10	<1	0.17	10	0.24	168	2	<0.01	20	1610	26	0.13	4	1	27
YY00055		<10	<1	0.13	10	0.32	306	3	<0.01	42	1560	57	0.08	2	1	25
YY00056		10	<1	0.08	10	0.35	239	2	<0.01	38	740	21	0.04	<2	3	14
YY00057		<10	<1	0.14	20	0.36	268	2	0.01	47	1870	17	0.21	<2	1	51
YY00058		<10	<1	0.11	20	0.36	270	3	0.01	52	1740	17	0.18	<2	1	48
YY00059		<10	<1	0.11	10	0.25	141	2	<0.01	28	1080	42	0.09	2	1	21
YY00060		<10	<1	0.09	20	0.12	108	3	<0.01	15	1190	20	0.11	2	<1	24
YY00061		<10	<1	0.12	10	0.23	248	2	<0.01	21	1510	24	0.11	3	1	25
YY00062		<10	1	0.08	10	0.20	148	3	<0.01	16	880	15	0.07	2	1	21
YY00063		10	<1	0.05	10	0.11	93	2	<0.01	10	750	13	0.07	3	1	11
YY00064		10	<1	0.07	10	0.22	126	3	<0.01	17	730	22	0.05	<2	1	14
YY00065		10	<1	0.04	10	0.05	65	3	<0.01	13	700	17	0.05	3	1	9
YY00066		<10	<1	0.10	10	0.29	145	3	<0.01	21	1500	26	0.13	2	1	23
YY00067		<10	<1	0.08	10	0.16	134	2	<0.01	13	1170	31	0.11	6	1	15
YY00068		10	<1	0.06	10	0.10	65	3	<0.01	10	1060	18	0.11	<2	<1	12
YY00069		<10	<1	0.08	10	0.15	101	3	<0.01	12	970	27	0.11	3	<1	16
YY00070		<10	<1	0.10	10	0.18	143	3	<0.01	14	1530	153	0.16	6	1	25
YY00071		<10	<1	0.22	20	0.31	181	5	<0.01	17	3180	71	0.24	7	2	40
YY00072		10	<1	0.36	20	0.44	267	4	<0.01	24	2850	39	0.38	7	2	39
YY00073		<10	<1	0.12	10	0.29	269	2	<0.01	27	1430	106	0.11	7	2	21
YY00074		10	<1	0.13	10	0.29	171	2	<0.01	14	620	17	0.09	3	2	12
YY00075		<10	<1	0.16	20	0.33	237	2	<0.01	26	1670	12	0.12	4	2	44
YY00076		10	<1	0.26	10	0.64	180	2	0.01	19	710	11	0.24	2	3	16
YY00077		10	<1	0.11	10	0.34	597	2	<0.01	34	950	12	0.09	2	2	18
YY00078		<10	1	0.14	10	0.29	289	2	<0.01	33	1330	11	0.16	2	1	23
YY00079		10	<1	0.32	20	0.54	337	3	0.02	64	1960	14	0.52	3	4	69
YY00080		10	<1	0.18	20	0.40	292	2	<0.01	30	1210	17	0.14	2	2	22

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Finalized Date: 20-JUL-2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
YY00041		<20	0.03	<10	<10	59	<10	164
YY00042		<20	0.03	<10	<10	46	<10	86
YY00043		<20	0.03	<10	<10	91	<10	59
YY00044		<20	0.04	<10	<10	77	<10	56
YY00045		<20	0.05	<10	<10	83	<10	127
YY00046		<20	0.04	<10	<10	61	<10	51
YY00047		<20	0.04	<10	<10	59	<10	102
YY00048		<20	0.01	<10	<10	45	<10	70
YY00049		<20	0.05	<10	<10	79	<10	33
YY00050		<20	0.02	<10	<10	43	<10	60
YY00051		<20	0.05	<10	<10	62	<10	85
YY00052		<20	0.03	<10	<10	45	<10	119
YY00053		<20	0.02	<10	<10	49	<10	108
YY00054		<20	0.03	<10	<10	47	<10	87
YY00055		<20	0.03	<10	<10	55	<10	151
YY00056		<20	0.05	<10	<10	60	<10	98
YY00057		<20	0.02	<10	<10	39	10	55
YY00058		<20	0.02	<10	<10	39	<10	53
YY00059		<20	0.03	<10	<10	49	<10	110
YY00060		<20	0.02	<10	<10	58	20	70
YY00061		<20	0.03	<10	<10	50	<10	122
YY00062		<20	0.03	<10	<10	56	<10	80
YY00063		<20	0.03	<10	<10	63	<10	48
YY00064		<20	0.04	<10	<10	67	<10	67
YY00065		<20	0.05	<10	<10	84	<10	45
YY00066		<20	0.03	<10	<10	52	<10	85
YY00067		<20	0.03	<10	<10	53	<10	77
YY00068		<20	0.02	<10	<10	53	<10	45
YY00069		<20	0.02	<10	<10	54	<10	56
YY00070		<20	0.02	<10	<10	58	<10	163
YY00071		<20	0.04	<10	<10	73	<10	115
YY00072		<20	0.05	<10	<10	82	<10	147
YY00073		<20	0.03	<10	<10	55	<10	121
YY00074		<20	0.04	<10	<10	73	<10	59
YY00075		<20	0.04	<10	<10	63	<10	89
YY00076		<20	0.07	<10	<10	75	<10	81
YY00077		<20	0.05	<10	<10	65	<10	120
YY00078		<20	0.04	<10	<10	55	<10	81
YY00079		<20	0.05	<10	<10	64	<10	134
YY00080		<20	0.04	<10	<10	69	<10	85

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Project: RAU

Finalized Date: 20-JUL-2018
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CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00081		0.31	0.011	<0.2	1.64	94	<10	140	0.8	3	0.07	<0.5	7	31	47	4.30
YY00082		0.40	0.038	3.4	1.68	140	<10	160	0.9	6	0.10	<0.5	14	31	78	5.13
YY00083		0.29	0.001	1.2	0.54	64	<10	60	<0.5	2	0.04	<0.5	2	16	18	2.49
YY00084		0.31	0.030	3.5	1.33	483	<10	150	0.7	7	0.09	<0.5	7	36	78	6.04
YY00085		0.33	0.014	3.6	1.35	239	<10	130	0.5	6	0.20	<0.5	6	41	69	6.43
YY00086		0.31	0.002	1.4	1.59	128	<10	110	0.7	2	0.05	0.5	7	32	37	4.34
YY00087		0.34	0.072	3.1	0.90	512	<10	190	<0.5	6	0.04	<0.5	3	34	54	6.79
YY00088		0.21	<0.001	1.0	1.10	231	<10	90	<0.5	<2	0.04	<0.5	4	23	65	3.32
YY00089		0.39	0.008	1.1	1.00	150	<10	90	<0.5	2	0.04	<0.5	3	25	36	3.40
YY00090		0.32	0.026	0.9	1.12	124	<10	90	<0.5	3	0.05	<0.5	4	24	30	3.04
YY00091		0.18	0.002	1.5	1.29	84	<10	90	<0.5	2	0.06	<0.5	5	27	33	2.99
YY00092		0.28	0.002	0.7	1.62	47	<10	60	<0.5	<2	0.06	<0.5	4	29	31	3.10
YY00093		0.30	0.010	0.5	1.40	67	<10	80	0.5	3	0.13	<0.5	6	28	37	3.49
YY00094		0.37	0.001	0.5	2.15	30	<10	120	1.1	2	0.05	<0.5	14	39	46	3.47
YY00095		0.29	0.001	0.2	1.77	33	<10	150	0.8	<2	0.05	<0.5	9	40	46	3.41
YY00096		0.34	0.001	0.3	2.28	25	<10	180	0.9	<2	0.12	<0.5	11	41	62	3.34
YY00097		0.22	0.015	0.3	1.58	27	<10	70	0.5	<2	0.05	<0.5	5	33	35	3.17
YY00098		0.27	0.002	0.6	1.90	24	<10	110	0.9	2	0.07	<0.5	8	28	75	2.98
YY00099		0.35	0.003	0.6	1.71	22	<10	70	0.6	<2	0.04	<0.5	4	32	73	3.51
YY00100		0.32	0.011	0.5	1.94	100	<10	130	1.3	<2	0.07	<0.5	16	35	49	4.18
YY00101		0.16	0.003	0.5	1.43	35	<10	290	0.7	2	0.50	0.6	9	33	35	2.86
YY00102		0.09	0.005	0.6	1.07	75	<10	130	0.6	7	0.11	<0.5	6	22	48	2.05
YY00103		0.12	0.004	0.3	1.41	54	<10	140	0.9	<2	0.14	<0.5	17	27	44	3.00
YY00104		0.12	<0.001	0.3	1.28	19	<10	230	1.2	2	0.93	0.5	27	25	51	2.64
YY00105		0.16	<0.001	0.7	2.12	51	<10	170	1.8	<2	0.11	<0.5	23	41	88	4.32
YY00106		0.17	0.001	0.4	1.09	24	<10	60	<0.5	2	0.04	<0.5	3	20	33	2.63
YY00107		0.21	0.002	0.6	1.92	57	<10	130	1.9	<2	0.07	0.6	11	28	157	2.86
YY00108		0.18	0.003	0.2	2.03	28	<10	160	0.8	<2	0.10	<0.5	11	33	127	3.08
YY00109		0.15	0.001	0.2	1.84	51	<10	120	1.3	<2	0.16	<0.5	9	38	54	3.75
YY00110		0.13	<0.001	<0.2	1.37	45	<10	90	0.6	<2	0.08	<0.5	6	36	36	3.44
YY00111		0.19	0.003	0.3	2.26	41	<10	120	1.7	<2	0.08	<0.5	39	36	80	3.60
YY00112		0.13	0.007	0.3	2.21	29	<10	110	1.3	<2	0.10	<0.5	28	34	215	3.50
YY00113		0.15	0.001	0.8	1.22	39	<10	70	<0.5	<2	0.06	<0.5	5	27	28	3.27
YY00114		0.11	0.002	1.2	1.19	36	<10	90	<0.5	<2	0.05	<0.5	5	24	67	2.70
YY00115		0.13	0.001	2.2	1.13	12	<10	90	0.5	<2	0.04	1.6	2	15	147	1.32
YY00116		0.16	0.015	6.7	2.09	104	<10	100	0.6	2	0.08	<0.5	5	34	57	3.88
YY00117		0.16	<0.001	<0.2	1.59	25	<10	120	0.7	<2	0.19	<0.5	16	34	43	3.03
YY00118		0.17	<0.001	0.4	1.19	19	<10	80	<0.5	<2	0.04	<0.5	3	23	20	2.63
YY00119		0.11	<0.001	0.4	0.83	17	<10	100	<0.5	<2	0.04	0.6	4	20	18	2.35
YY00120		0.15	0.002	0.2	2.16	19	<10	130	0.7	2	0.08	<0.5	10	34	31	3.69

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00081		10	<1	0.14	20	0.33	378	2	<0.01	19	1340	17	0.09	2	2	21
YY00082		<10	<1	0.18	20	0.32	412	2	<0.01	31	1740	17	0.16	6	2	26
YY00083		10	<1	0.05	10	0.05	87	2	<0.01	9	610	16	0.04	<2	1	8
YY00084		<10	<1	0.19	20	0.30	219	3	<0.01	21	2110	70	0.21	10	1	38
YY00085		<10	<1	0.18	20	0.28	210	3	<0.01	19	3460	89	0.23	8	1	36
YY00086		10	<1	0.10	10	0.25	219	3	<0.01	21	860	28	0.08	2	2	14
YY00087		<10	<1	0.19	10	0.19	140	3	0.01	14	2720	69	0.30	13	1	61
YY00088		<10	<1	0.05	10	0.08	78	3	<0.01	17	1380	12	0.16	2	<1	13
YY00089		10	<1	0.09	10	0.14	111	3	<0.01	13	1170	23	0.10	3	<1	13
YY00090		<10	<1	0.07	10	0.17	145	2	<0.01	14	1150	21	0.11	3	<1	12
YY00091		10	<1	0.08	10	0.22	137	2	<0.01	17	910	18	0.08	2	1	12
YY00092		10	<1	0.06	10	0.23	129	3	<0.01	15	470	15	0.04	<2	2	9
YY00093		<10	<1	0.07	10	0.26	161	2	<0.01	25	880	15	0.05	<2	2	15
YY00094		10	<1	0.06	10	0.32	187	2	<0.01	38	610	15	0.05	<2	2	15
YY00095		10	<1	0.09	20	0.36	181	3	<0.01	30	500	15	0.03	2	2	9
YY00096		10	1	0.08	10	0.47	256	2	<0.01	36	830	14	0.04	<2	3	17
YY00097		10	<1	0.06	10	0.25	138	3	<0.01	18	800	15	0.06	2	1	12
YY00098		10	<1	0.05	10	0.24	95	3	<0.01	28	530	16	0.05	2	2	14
YY00099		10	1	0.05	10	0.24	87	4	<0.01	17	740	12	0.08	2	1	10
YY00100		10	<1	0.12	10	0.34	177	3	<0.01	53	1130	17	0.09	4	2	22
YY00101		<10	<1	0.10	10	0.46	350	1	<0.01	30	1020	16	0.05	<2	3	26
YY00102		<10	<1	0.07	10	0.18	67	2	<0.01	27	1110	15	0.10	<2	<1	29
YY00103		<10	<1	0.10	10	0.31	244	2	<0.01	39	920	21	0.06	2	1	18
YY00104		<10	<1	0.09	10	0.48	331	1	0.01	60	1030	16	0.06	<2	3	31
YY00105		10	<1	0.14	10	0.49	466	3	0.01	47	1320	22	0.10	<2	3	24
YY00106		10	<1	0.04	10	0.11	76	2	<0.01	10	430	11	0.04	<2	1	7
YY00107		10	<1	0.06	10	0.32	141	4	<0.01	39	780	14	0.07	2	1	14
YY00108		10	<1	0.06	10	0.42	300	2	<0.01	39	560	15	0.04	<2	3	13
YY00109		<10	<1	0.08	10	0.34	227	3	<0.01	34	1200	15	0.09	6	2	39
YY00110		10	<1	0.06	10	0.30	125	3	<0.01	18	970	12	0.04	<2	2	11
YY00111		10	<1	0.06	10	0.32	285	2	<0.01	66	630	16	0.04	3	3	11
YY00112		<10	<1	0.08	10	0.42	241	2	<0.01	81	620	14	0.04	<2	3	12
YY00113		10	<1	0.07	10	0.21	112	2	<0.01	17	590	16	0.04	<2	2	10
YY00114		<10	<1	0.07	10	0.21	90	2	0.01	18	820	15	0.08	<2	1	8
YY00115		<10	<1	0.04	10	0.09	32	1	<0.01	21	700	20	0.04	<2	<1	8
YY00116		10	<1	0.08	10	0.34	112	2	<0.01	19	1030	42	0.05	2	2	12
YY00117		10	<1	0.08	10	0.31	228	2	<0.01	64	1250	14	0.03	<2	2	15
YY00118		10	<1	0.06	10	0.17	121	2	<0.01	12	400	13	0.03	<2	2	8
YY00119		10	<1	0.05	10	0.12	78	2	<0.01	14	510	13	0.05	<2	1	10
YY00120		10	1	0.07	10	0.37	221	2	<0.01	30	500	13	0.04	2	2	13

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

Finalized Date: 20-JUL-2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
YY00081		<20	0.03	<10	<10	61	<10	74
YY00082		<20	0.04	<10	<10	58	<10	96
YY00083		<20	0.04	<10	<10	78	<10	40
YY00084		<20	0.02	<10	<10	60	<10	164
YY00085		<20	0.02	<10	<10	67	<10	196
YY00086		<20	0.04	<10	<10	69	<10	128
YY00087		<20	0.01	<10	<10	52	<10	147
YY00088		<20	0.02	<10	<10	52	<10	67
YY00089		<20	0.03	<10	<10	62	<10	66
YY00090		<20	0.02	<10	<10	53	<10	72
YY00091		<20	0.03	<10	<10	58	<10	72
YY00092		<20	0.05	<10	<10	65	<10	66
YY00093		<20	0.05	<10	<10	49	<10	81
YY00094		<20	0.05	<10	<10	86	<10	77
YY00095		<20	0.05	<10	<10	82	<10	66
YY00096		<20	0.04	<10	<10	69	<10	83
YY00097		<20	0.04	<10	<10	78	<10	51
YY00098		<20	0.04	<10	<10	69	<10	51
YY00099		<20	0.04	<10	<10	75	<10	44
YY00100		<20	0.05	<10	<10	74	10	84
YY00101		<20	0.04	<10	<10	55	<10	106
YY00102		<20	0.02	<10	<10	35	<10	69
YY00103		<20	0.03	<10	<10	52	<10	125
YY00104		<20	0.03	<10	<10	44	<10	135
YY00105		<20	0.05	<10	<10	79	<10	121
YY00106		<20	0.05	<10	<10	81	<10	29
YY00107		<20	0.03	<10	<10	55	<10	59
YY00108		<20	0.04	<10	<10	61	<10	90
YY00109		<20	0.03	<10	<10	71	<10	106
YY00110		<20	0.07	<10	<10	102	<10	60
YY00111		<20	0.05	<10	<10	73	<10	116
YY00112		<20	0.05	<10	<10	60	<10	97
YY00113		<20	0.06	<10	<10	84	<10	52
YY00114		<20	0.03	<10	<10	54	<10	51
YY00115		<20	0.01	<10	<10	33	<10	23
YY00116		<20	0.03	<10	<10	55	<10	89
YY00117		<20	0.05	<10	<10	75	<10	93
YY00118		<20	0.04	<10	<10	73	<10	41
YY00119		<20	0.03	<10	<10	64	<10	38
YY00120		<20	0.04	<10	<10	71	<10	70

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Project: RAU

Finalized Date: 20-JUL-2018
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CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00121		0.12	0.003	4.0	1.87	21	<10	140	1.1	<2	0.07	<0.5	17	33	88	4.09
YY00122		0.15	0.002	0.6	1.53	50	<10	220	1.0	2	0.29	<0.5	8	27	47	2.97
YY00123		0.10	<0.001	0.5	1.22	21	<10	110	<0.5	<2	0.06	<0.5	5	27	34	2.68
YY00124		0.15	<0.001	<0.2	1.62	15	<10	120	<0.5	<2	0.05	0.5	7	30	19	3.33
YY00125		0.19	0.002	<0.2	1.73	12	<10	170	0.8	<2	0.16	<0.5	20	31	90	3.02
YY00126		0.16	0.004	<0.2	2.04	27	<10	200	1.3	2	0.14	<0.5	19	40	83	3.76
YY00127		0.17	0.002	3.0	2.14	75	<10	100	0.8	2	0.07	<0.5	13	33	73	3.64
YY00128		0.14	0.002	1.3	1.76	58	<10	110	0.7	2	0.06	0.5	8	30	44	3.48
YY00129		0.12	0.002	2.1	1.41	42	<10	80	0.5	<2	0.06	<0.5	5	26	65	2.67
YY00130		0.15	0.002	1.0	0.87	23	<10	70	<0.5	<2	0.05	<0.5	3	17	36	1.57
YY00131		0.16	0.004	1.1	3.66	31	<10	120	2.6	<2	0.11	<0.5	31	40	120	3.59
YY00132		0.16	0.003	0.3	2.38	24	<10	160	2.5	<2	0.09	0.5	94	36	199	3.54
YY00133		0.14	0.006	2.9	1.79	65	<10	90	0.7	2	0.08	<0.5	8	27	117	3.08
YY00134		0.21	0.005	0.6	1.73	21	<10	90	0.7	<2	0.07	0.5	10	28	49	2.46
YY00135		0.12	0.004	2.5	1.83	56	<10	90	0.8	2	0.07	<0.5	9	31	97	3.32
YY00136		0.17	<0.001	0.3	1.16	14	<10	70	<0.5	<2	0.04	<0.5	8	20	15	2.65
YY00137		0.10	<0.001	3.6	1.77	45	<10	100	0.7	2	0.13	<0.5	10	28	113	2.44
YY00138		0.09	<0.001	0.4	1.08	20	<10	70	<0.5	2	0.06	<0.5	5	17	16	1.71
YY00139		0.21	<0.001	<0.2	1.98	14	<10	200	0.6	<2	0.09	<0.5	11	32	26	3.35
YY00140		0.16	<0.001	0.3	0.87	7	<10	80	<0.5	<2	0.02	<0.5	2	13	13	1.41
YY00141		0.10	0.006	0.9	1.45	8	<10	140	1.1	<2	0.91	0.9	17	23	99	2.15
YY00142		0.08	<0.001	0.2	0.98	8	<10	120	<0.5	<2	0.13	<0.5	4	25	17	1.65
YY00143		0.18	0.004	2.5	2.08	61	<10	110	1.0	2	0.10	<0.5	18	34	116	3.66
YY00144		0.12	0.002	0.9	1.94	23	<10	130	1.3	<2	0.10	<0.5	18	34	103	2.90
YY00145		0.14	0.003	1.1	1.28	58	<10	70	<0.5	2	0.04	<0.5	4	22	51	2.62
YY00146		0.25	0.002	0.2	1.52	63	<10	110	0.6	<2	0.09	<0.5	8	34	36	3.43
YY00147		0.13	0.001	0.4	1.16	31	<10	90	<0.5	2	0.06	<0.5	5	26	31	2.36
YY00148		0.22	<0.001	0.3	1.71	26	<10	110	0.6	<2	0.08	<0.5	6	41	35	3.47
YY00149		0.17	0.001	0.3	1.94	57	<10	150	1.2	<2	0.07	<0.5	10	41	73	3.72
YY00150		0.18	0.001	0.4	2.37	67	<10	160	1.3	<2	0.06	<0.5	6	39	35	4.55
YY00151		0.21	<0.001	0.4	1.22	18	<10	70	<0.5	<2	0.05	<0.5	3	23	29	1.81
YY00152		0.11	<0.001	0.7	1.17	21	<10	90	<0.5	<2	0.06	<0.5	4	32	39	2.36
YY00153		0.15	0.002	0.5	1.87	30	<10	90	0.8	<2	0.08	<0.5	8	43	30	3.84
YY00154		0.23	0.004	0.6	1.33	46	<10	90	0.5	<2	0.06	<0.5	6	28	37	2.98
YY00155		0.17	0.002	0.9	1.51	53	<10	100	0.6	<2	0.07	<0.5	9	31	25	3.42
YY00156		0.24	<0.001	<0.2	1.74	15	<10	230	1.2	2	0.47	0.5	63	35	50	3.29
YY00157		0.15	0.005	1.0	1.41	24	<10	90	0.6	<2	0.07	<0.5	12	25	56	3.20
YY00158		0.14	0.004	2.4	1.84	33	<10	100	0.9	<2	0.08	<0.5	20	28	78	2.86
YY00159		0.17	0.004	1.6	1.30	43	<10	80	<0.5	2	0.07	<0.5	12	25	34	2.77
YY00160		0.13	0.002	2.4	1.65	43	<10	100	0.6	2	0.07	<0.5	17	28	63	3.04

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Finalized Date: 20-JUL-2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00121		10	1	0.08	10	0.32	322	2	<0.01	59	720	13	0.06	2	2	14
YY00122		<10	1	0.07	10	0.30	187	2	0.01	30	830	10	0.09	<2	2	32
YY00123		10	<1	0.07	10	0.24	152	2	<0.01	20	600	12	0.05	<2	1	10
YY00124		10	<1	0.07	10	0.36	236	1	<0.01	21	340	12	0.02	<2	2	8
YY00125		10	<1	0.08	20	0.43	419	1	<0.01	62	640	12	0.03	<2	3	21
YY00126		10	<1	0.11	10	0.58	324	1	<0.01	63	910	11	0.07	<2	2	23
YY00127		10	<1	0.07	10	0.32	145	2	<0.01	35	850	29	0.04	2	3	11
YY00128		10	<1	0.07	10	0.26	137	2	<0.01	30	600	22	0.04	<2	1	10
YY00129		10	1	0.07	10	0.22	107	3	<0.01	22	600	24	0.03	2	2	9
YY00130		<10	<1	0.05	10	0.12	64	2	<0.01	12	450	14	0.04	<2	1	9
YY00131		<10	1	0.06	10	0.35	278	2	<0.01	172	1030	17	0.06	<2	3	14
YY00132		<10	<1	0.10	10	0.51	1240	2	<0.01	200	910	17	0.04	<2	4	13
YY00133		<10	<1	0.09	10	0.29	139	3	<0.01	35	1280	24	0.11	<2	1	11
YY00134		10	<1	0.07	10	0.29	283	2	<0.01	35	380	13	0.02	<2	2	10
YY00135		10	<1	0.08	10	0.34	229	3	<0.01	46	870	26	0.04	<2	2	11
YY00136		10	<1	0.05	10	0.17	379	1	<0.01	17	420	12	0.02	<2	1	7
YY00137		<10	<1	0.09	10	0.33	145	2	0.01	47	1200	29	0.09	<2	1	14
YY00138		10	<1	0.04	10	0.10	163	2	<0.01	12	360	15	0.02	<2	1	8
YY00139		10	<1	0.06	10	0.37	314	2	<0.01	31	470	18	0.02	<2	2	10
YY00140		10	<1	0.03	10	0.07	85	1	<0.01	6	230	9	0.02	<2	1	5
YY00141		<10	<1	0.05	10	0.31	929	1	0.01	332	1560	7	0.15	<2	2	66
YY00142		<10	<1	0.10	10	0.25	78	1	<0.01	24	730	9	0.08	<2	1	19
YY00143		10	1	0.10	10	0.42	384	3	<0.01	55	930	26	0.04	<2	3	14
YY00144		<10	<1	0.08	10	0.40	314	2	<0.01	92	880	13	0.04	<2	2	12
YY00145		<10	<1	0.07	10	0.20	92	2	<0.01	14	1090	19	0.09	<2	1	9
YY00146		<10	1	0.11	10	0.31	205	2	<0.01	22	700	14	0.04	<2	2	14
YY00147		10	<1	0.07	10	0.22	107	2	<0.01	15	810	12	0.05	<2	1	10
YY00148		10	<1	0.12	10	0.40	128	2	<0.01	22	520	12	0.04	<2	2	14
YY00149		10	<1	0.14	10	0.44	159	5	0.01	32	620	14	0.07	<2	2	17
YY00150		10	<1	0.11	10	0.44	151	3	0.01	22	740	13	0.09	2	2	16
YY00151		10	<1	0.05	10	0.20	62	2	<0.01	11	770	11	0.06	<2	1	8
YY00152		<10	<1	0.09	10	0.30	81	2	<0.01	19	670	9	0.06	<2	1	9
YY00153		10	<1	0.09	10	0.39	184	2	<0.01	22	740	11	0.04	<2	3	10
YY00154		10	1	0.06	10	0.21	181	2	<0.01	16	1000	15	0.05	<2	1	10
YY00155		<10	1	0.08	10	0.23	189	2	<0.01	24	740	26	0.04	2	2	11
YY00156		<10	<1	0.18	20	0.52	1085	1	<0.01	105	1160	16	0.04	<2	3	33
YY00157		10	<1	0.07	10	0.24	219	2	<0.01	32	680	17	0.04	<2	2	10
YY00158		<10	<1	0.07	10	0.31	317	2	0.01	42	680	17	0.04	<2	2	11
YY00159		10	<1	0.07	10	0.28	247	2	<0.01	26	520	20	0.03	<2	2	11
YY00160		10	<1	0.08	10	0.34	309	2	<0.01	34	680	22	0.04	2	2	11

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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
YY00121		<20	0.04	<10	<10	71	<10	123
YY00122		<20	0.03	<10	<10	51	<10	68
YY00123		<20	0.03	<10	<10	66	<10	62
YY00124		<20	0.05	<10	<10	80	<10	84
YY00125		<20	0.04	<10	<10	58	<10	90
YY00126		<20	0.06	<10	<10	75	<10	114
YY00127		<20	0.04	<10	<10	58	<10	98
YY00128		<20	0.04	<10	<10	66	<10	90
YY00129		<20	0.04	<10	<10	61	<10	76
YY00130		<20	0.03	<10	<10	46	<10	37
YY00131		<20	0.04	<10	<10	47	<10	189
YY00132		<20	0.05	<10	<10	57	<10	181
YY00133		<20	0.03	<10	<10	45	<10	84
YY00134		<20	0.04	<10	<10	58	<10	89
YY00135		<20	0.04	<10	<10	60	<10	119
YY00136		<20	0.05	<10	<10	69	<10	107
YY00137		<20	0.03	<10	<10	41	<10	104
YY00138		<20	0.02	<10	<10	70	<10	34
YY00139		<20	0.02	<10	<10	59	<10	85
YY00140		<20	0.03	<10	<10	70	<10	23
YY00141		<20	0.02	<10	<10	23	<10	124
YY00142		<20	0.02	<10	<10	29	<10	45
YY00143		<20	0.04	<10	<10	62	<10	121
YY00144		<20	0.04	<10	<10	58	<10	131
YY00145		<20	0.02	<10	<10	45	<10	50
YY00146		<20	0.05	<10	<10	64	<10	69
YY00147		<20	0.04	<10	<10	57	<10	46
YY00148		<20	0.08	<10	<10	85	<10	61
YY00149		<20	0.06	<10	<10	91	<10	71
YY00150		<20	0.07	<10	<10	96	<10	65
YY00151		<20	0.03	<10	<10	46	<10	30
YY00152		<20	0.04	<10	<10	67	<10	45
YY00153		<20	0.07	<10	<10	82	<10	92
YY00154		<20	0.04	<10	<10	61	<10	62
YY00155		<20	0.05	<10	<10	59	<10	85
YY00156		<20	0.03	<10	<10	51	<10	185
YY00157		<20	0.04	<10	<10	67	<10	82
YY00158		<20	0.04	<10	<10	48	<10	109
YY00159		<20	0.04	<10	<10	61	<10	89
YY00160		<20	0.04	<10	<10	54	<10	109

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

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

Project: RAU

Finalized Date: 20-JUL-2018
Account: RCM

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00161		0.17	0.002	2.0	1.54	37	<10	120	0.6	<2	0.09	<0.5	18	29	60	2.65
YY00162		0.10	<0.001	0.4	0.95	12	<10	80	0.5	<2	0.05	<0.5	6	19	58	1.86
YY00163		0.18	0.002	0.6	2.08	11	<10	120	0.8	<2	0.07	<0.5	11	31	25	3.32
YY00164		0.21	0.001	1.2	1.41	11	<10	80	<0.5	<2	0.04	<0.5	4	20	10	2.73
YY00165		0.20	0.003	0.6	1.25	9	<10	100	<0.5	<2	0.02	<0.5	3	18	13	2.47
YY00166		0.33	0.007	0.4	2.06	13	<10	240	1.1	<2	0.03	<0.5	10	41	58	3.78
YY00167		0.17	0.002	2.1	1.60	41	<10	80	0.6	<2	0.08	<0.5	6	27	105	2.72
YY00168		0.18	0.001	0.5	1.44	11	<10	100	0.7	<2	0.07	<0.5	12	26	54	3.27
YY00169		0.16	0.001	0.3	1.31	13	<10	120	1.1	<2	0.05	<0.5	5	21	84	2.02
YY00170		0.22	0.012	1.8	1.37	15	<10	120	1.0	<2	0.07	<0.5	16	26	96	2.07
YY00171		0.19	0.002	0.8	1.73	20	<10	130	1.5	<2	0.12	<0.5	27	32	86	3.11
YY00172		0.24	0.002	0.6	2.28	21	<10	150	1.3	<2	0.08	<0.5	21	38	134	3.19
YY00173		0.13	0.002	0.5	1.96	23	<10	150	1.6	<2	0.10	1.4	50	33	143	2.89
YY00174		0.13	0.003	0.5	1.86	23	<10	210	1.0	<2	0.14	<0.5	36	32	87	2.67
YY00175		0.25	0.003	0.3	0.83	13	<10	60	<0.5	<2	0.04	<0.5	14	25	44	1.67
YY00176		0.22	0.003	0.3	1.66	22	<10	130	1.0	<2	0.09	<0.5	18	29	109	2.45
YY00177		0.11	<0.001	0.6	1.36	16	<10	160	0.8	<2	0.10	<0.5	18	27	43	1.88
YY00178		0.15	0.002	0.5	1.38	15	<10	80	0.8	<2	0.08	<0.5	8	26	83	2.20
YY00179		0.20	<0.001	0.7	1.64	23	<10	80	0.8	<2	0.05	<0.5	6	30	43	2.85
YY00180		0.21	0.001	0.2	1.38	19	<10	100	0.5	<2	0.04	<0.5	5	27	28	3.00
YY00181		0.22	0.001	0.2	1.33	22	<10	120	1.1	<2	0.05	<0.5	9	31	39	4.36
YY00182		0.32	0.018	<0.2	1.76	28	<10	140	1.0	<2	0.06	<0.5	7	29	58	3.66
YY00183		0.33	0.002	0.2	1.83	19	<10	190	1.1	<2	0.09	<0.5	11	29	79	3.60
YY00184		0.28	0.001	0.2	1.71	22	<10	210	1.5	<2	0.17	<0.5	12	30	161	6.04
YY00185		0.24	0.001	<0.2	1.79	7	<10	80	1.2	<2	0.07	<0.5	11	25	60	4.34
YY00186		0.27	0.001	0.7	1.60	33	<10	180	1.7	<2	0.12	<0.5	36	28	89	2.82
YY00187		0.32	0.003	0.3	1.31	26	<10	210	0.7	<2	0.19	<0.5	13	29	25	2.63
YY00188		0.20	0.009	0.8	1.33	74	<10	130	0.5	2	0.12	<0.5	8	25	34	2.52
YY00189		0.27	0.005	0.2	1.05	35	<10	170	0.6	<2	0.24	<0.5	10	25	31	2.58
YY00190		0.43	0.003	0.3	1.26	45	<10	170	0.8	<2	0.17	<0.5	18	29	31	2.60
YY00191		0.22	0.003	1.1	1.09	21	<10	140	<0.5	<2	0.26	<0.5	9	22	20	2.13
YY00192		0.18	0.002	0.7	1.68	32	<10	90	1.1	<2	0.08	<0.5	11	27	152	2.60
YY00193		0.31	0.009	0.2	2.07	15	<10	250	1.6	<2	0.04	<0.5	7	37	48	5.17
YY00194		0.43	<0.001	<0.2	1.97	17	<10	110	1.1	<2	0.07	<0.5	8	28	50	3.73
YY00195		0.29	<0.001	0.2	0.77	14	<10	50	<0.5	<2	0.04	<0.5	2	18	37	2.87
YY00196		0.38	<0.001	0.2	0.79	14	<10	120	0.5	<2	0.05	<0.5	5	17	71	5.27
YY00197		0.40	0.001	<0.2	1.49	12	<10	170	0.8	<2	0.15	<0.5	10	28	61	4.28
YY00198		0.56	0.015	0.2	2.16	15	<10	130	1.9	2	0.08	<0.5	14	33	141	7.56
YY00199		0.39	0.006	<0.2	2.15	17	<10	140	0.9	<2	0.12	<0.5	10	31	42	3.82
YY00200		0.38	0.005	0.2	2.65	17	<10	160	3.3	3	0.11	<0.5	30	37	96	7.55

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Finalized Date: 20-JUL-2018
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Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00161		10	<1	0.08	10	0.38	258	2	<0.01	50	730	17	0.04	<2	1	13
YY00162		<10	<1	0.06	10	0.14	113	1	<0.01	21	570	12	0.03	<2	1	10
YY00163		<10	<1	0.05	10	0.28	224	2	<0.01	37	700	16	0.02	2	2	8
YY00164		<10	<1	0.03	10	0.17	117	2	<0.01	12	300	13	0.01	<2	2	6
YY00165		<10	<1	0.03	10	0.15	92	1	<0.01	13	220	14	<0.01	<2	1	5
YY00166		<10	<1	0.13	20	0.52	200	1	<0.01	41	380	17	0.02	<2	3	14
YY00167		<10	<1	0.07	10	0.33	115	2	<0.01	32	960	19	0.05	<2	1	11
YY00168		<10	<1	0.05	10	0.26	177	2	<0.01	34	650	10	0.03	<2	1	13
YY00169		<10	<1	0.07	10	0.20	127	1	<0.01	18	730	14	0.04	<2	1	13
YY00170		<10	<1	0.05	10	0.19	230	2	<0.01	60	1610	12	0.08	<2	<1	11
YY00171		10	<1	0.09	10	0.42	677	2	<0.01	101	880	13	0.02	<2	2	19
YY00172		10	<1	0.07	10	0.46	400	2	<0.01	73	470	15	0.01	<2	3	14
YY00173		10	<1	0.08	10	0.44	517	2	<0.01	175	870	12	0.03	<2	2	22
YY00174		10	<1	0.07	10	0.46	408	2	<0.01	84	480	11	0.01	<2	3	25
YY00175		<10	<1	0.06	10	0.23	126	2	<0.01	38	490	10	0.03	<2	1	13
YY00176		<10	<1	0.08	10	0.36	111	3	<0.01	61	710	11	0.04	<2	2	21
YY00177		<10	<1	0.09	10	0.33	83	1	<0.01	56	690	13	0.05	<2	1	16
YY00178		<10	<1	0.06	10	0.22	80	2	<0.01	32	860	11	0.04	<2	1	15
YY00179		10	<1	0.05	10	0.22	102	3	<0.01	17	610	13	0.05	2	1	15
YY00180		10	<1	0.04	10	0.20	129	2	<0.01	16	380	14	0.01	<2	1	8
YY00181		<10	<1	0.14	10	0.25	135	2	0.01	44	920	14	0.13	<2	1	16
YY00182		<10	1	0.12	10	0.34	203	2	0.01	23	1010	10	0.11	<2	1	15
YY00183		<10	<1	0.11	20	0.40	334	2	<0.01	35	1040	12	0.10	<2	3	19
YY00184		<10	<1	0.27	20	0.33	199	2	0.08	53	2430	15	0.60	<2	2	120
YY00185		<10	<1	0.10	10	0.39	261	2	<0.01	40	1140	10	0.08	<2	1	24
YY00186		<10	<1	0.10	10	0.37	309	2	<0.01	80	980	18	0.04	<2	2	21
YY00187		<10	<1	0.08	10	0.38	276	1	<0.01	39	820	14	0.03	<2	2	17
YY00188		<10	<1	0.08	10	0.28	93	2	<0.01	33	1070	23	0.04	<2	1	22
YY00189		<10	<1	0.08	10	0.38	221	1	<0.01	27	910	15	0.01	<2	2	21
YY00190		<10	<1	0.18	20	0.38	284	2	<0.01	31	960	16	0.04	<2	2	21
YY00191		<10	<1	0.06	10	0.32	141	1	<0.01	35	780	16	0.06	<2	2	20
YY00192		<10	<1	0.08	10	0.32	86	2	<0.01	50	780	12	0.09	<2	1	14
YY00193		10	<1	0.30	10	0.46	129	2	0.01	27	880	16	0.29	<2	2	22
YY00194		10	<1	0.08	10	0.31	303	3	<0.01	22	1470	11	0.08	<2	1	16
YY00195		<10	<1	0.04	20	0.07	95	2	<0.01	10	1090	10	0.07	<2	1	66
YY00196		<10	<1	0.10	20	0.13	102	2	0.01	21	1720	14	0.15	<2	1	106
YY00197		<10	<1	0.10	20	0.37	369	2	0.01	39	1450	22	0.12	<2	1	31
YY00198		10	<1	0.09	20	0.41	361	3	0.02	48	2480	17	0.19	<2	2	47
YY00199		10	<1	0.08	10	0.45	331	2	0.01	30	1120	15	0.08	<2	2	21
YY00200		<10	<1	0.14	10	0.38	527	3	0.02	94	2290	21	0.23	<2	2	56

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CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
YY00161		<20	0.03	<10	<10	49	<10	159
YY00162		<20	0.03	<10	<10	43	<10	48
YY00163		<20	0.02	<10	<10	48	<10	72
YY00164		<20	0.03	<10	<10	59	<10	41
YY00165		<20	0.02	<10	<10	58	<10	38
YY00166		<20	0.04	<10	<10	64	<10	77
YY00167		<20	0.02	<10	<10	44	<10	81
YY00168		<20	0.03	<10	<10	54	<10	56
YY00169		<20	0.02	<10	<10	42	<10	41
YY00170		<20	0.01	<10	<10	31	<10	81
YY00171		<20	0.04	<10	<10	55	<10	133
YY00172		<20	0.04	<10	<10	62	<10	109
YY00173		<20	0.04	<10	<10	58	<10	158
YY00174		<20	0.04	<10	<10	58	<10	98
YY00175		<20	0.03	<10	<10	39	<10	54
YY00176		<20	0.03	<10	<10	47	<10	65
YY00177		<20	0.02	<10	<10	38	<10	75
YY00178		<20	0.03	<10	<10	37	<10	47
YY00179		<20	0.04	<10	<10	75	<10	44
YY00180		<20	0.03	<10	<10	84	<10	44
YY00181		<20	0.04	<10	<10	59	<10	139
YY00182		<20	0.04	<10	<10	48	<10	48
YY00183		<20	0.04	<10	<10	47	<10	57
YY00184		<20	0.03	<10	<10	41	<10	60
YY00185		<20	0.02	<10	<10	43	<10	54
YY00186		<20	0.03	<10	<10	50	<10	121
YY00187		<20	0.03	<10	<10	50	<10	98
YY00188		<20	0.02	<10	<10	45	<10	98
YY00189		<20	0.04	<10	<10	41	<10	99
YY00190		<20	0.03	<10	<10	48	<10	94
YY00191		<20	0.02	<10	<10	47	<10	74
YY00192		<20	0.03	<10	<10	49	<10	57
YY00193		<20	0.06	<10	<10	75	<10	75
YY00194		<20	0.03	<10	<10	51	<10	58
YY00195		<20	0.03	<10	<10	51	<10	32
YY00196		<20	0.03	<10	<10	43	<10	37
YY00197		<20	0.03	<10	<10	46	<10	69
YY00198		<20	0.03	<10	<10	54	<10	71
YY00199		<20	0.04	<10	<10	53	<10	76
YY00200		<20	0.04	<10	<10	50	<10	169

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Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00201		0.31	0.009	0.3	1.55	14	<10	70	0.7	2	0.06	<0.5	8	24	54	3.15
YY00202		0.39	<0.001	0.2	1.79	19	<10	70	0.9	2	0.05	<0.5	9	29	43	5.01
YY00203		0.51	0.013	0.8	2.40	32	<10	110	1.8	4	0.04	<0.5	11	35	145	10.40
YY00204		0.54	0.009	0.6	3.32	17	<10	200	3.5	6	0.08	<0.5	27	36	176	11.65
YY00205		0.40	0.003	0.7	2.25	22	<10	160	2.2	2	0.13	<0.5	15	36	75	6.56
YY00206		0.43	0.002	1.1	2.68	9	<10	180	1.7	2	0.14	<0.5	10	44	75	5.48
YY00207		0.45	0.005	<0.2	1.62	28	<10	170	0.7	2	0.14	<0.5	7	32	22	3.12
YY00208		0.41	0.001	0.3	1.82	23	<10	190	0.9	2	0.25	<0.5	12	35	34	4.06
YY00209		0.36	0.003	0.2	1.83	17	<10	190	0.9	3	0.23	<0.5	10	34	34	3.53
YY00210		0.40	0.052	0.6	1.94	33	<10	160	1.2	4	0.16	<0.5	20	64	165	12.85
YY00211		0.44	0.003	0.2	1.68	57	<10	170	0.9	<2	0.12	<0.5	12	35	33	4.58
YY00212		0.41	0.001	0.3	1.81	35	<10	180	0.8	<2	0.08	<0.5	8	33	27	3.60
YY00213		0.34	0.001	0.5	1.25	37	<10	120	<0.5	2	0.08	<0.5	4	26	20	2.99
YY00214		0.29	<0.001	0.4	1.73	18	<10	130	0.8	<2	0.07	0.5	8	29	40	3.11
YY00215		0.32	0.001	0.7	1.89	26	<10	120	0.8	<2	0.06	<0.5	6	33	21	3.62
YY00216		0.30	0.005	0.6	1.88	24	<10	130	1.0	2	0.11	<0.5	7	28	66	3.14
YY00217		0.40	0.002	0.2	1.82	30	<10	110	1.0	<2	0.08	<0.5	8	31	39	3.34
YY00218		0.33	<0.001	0.5	1.15	27	<10	80	<0.5	2	0.05	<0.5	2	23	18	3.03
YY00219		0.37	0.004	<0.2	1.82	34	<10	100	0.7	<2	0.08	<0.5	10	31	26	3.55
YY00220		0.47	0.017	0.3	1.20	85	<10	40	<0.5	5	0.14	<0.5	3	23	23	3.44
YY00221		0.40	0.009	0.2	1.27	76	<10	100	<0.5	6	0.04	<0.5	4	23	45	3.18
YY00222		0.30	0.003	0.4	1.67	95	<10	140	0.8	3	0.07	<0.5	7	30	31	4.09
YY00223		0.46	0.006	0.4	1.38	156	<10	130	0.6	6	0.04	<0.5	4	27	22	3.68
YY00224		0.35	0.010	0.3	1.82	101	<10	240	0.8	3	0.06	<0.5	10	34	35	3.31
YY00225		0.37	0.011	<0.2	0.82	122	<10	50	<0.5	5	0.04	<0.5	3	20	22	3.61
YY00226		0.31	0.004	0.2	0.49	41	<10	80	<0.5	3	0.02	<0.5	2	14	19	1.63
YY00227		0.32	0.005	<0.2	1.01	79	<10	60	<0.5	3	0.04	<0.5	5	24	21	3.93
YY00228		0.47	0.009	0.3	1.84	153	<10	120	1.0	3	0.05	<0.5	16	38	118	7.11
YY00229		0.30	0.009	0.2	1.57	58	<10	90	0.5	8	0.08	<0.5	3	29	35	3.20
YY00230		0.41	0.005	<0.2	1.97	82	<10	130	0.7	4	0.08	<0.5	8	34	42	3.43
YY00231		0.33	0.003	<0.2	1.21	19	<10	90	<0.5	<2	0.06	<0.5	3	21	11	2.57
YY00232		0.31	0.001	<0.2	1.20	30	<10	70	<0.5	<2	0.05	<0.5	3	24	11	3.59
YY00233		0.29	0.003	0.3	1.47	49	<10	90	<0.5	3	0.04	<0.5	3	24	22	2.91
YY00234		0.39	0.002	0.3	1.85	37	<10	130	0.7	<2	0.11	<0.5	7	31	31	2.98
YY00235		0.48	0.023	0.2	1.61	154	<10	120	1.1	28	0.10	<0.5	11	33	57	4.25
YY00236		0.37	0.008	0.7	2.02	123	<10	140	1.2	6	0.10	<0.5	11	36	80	4.52
YY00237		0.28	0.116	0.3	2.04	207	<10	140	1.5	91	0.06	<0.5	10	40	111	6.33
YY00238		0.41	0.704	0.6	1.54	414	<10	140	1.6	196	0.04	<0.5	20	36	134	10.10
YY00239		0.38	0.021	0.9	2.11	193	<10	120	1.3	8	0.06	<0.5	10	36	113	5.05
YY00240		0.40	0.022	0.7	1.16	183	<10	100	1.0	23	0.09	<0.5	10	22	76	5.31

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

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

Finalized Date: 20-JUL-2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00201		<10	<1	0.05	10	0.22	116	2	<0.01	32	1170	12	0.09	<2	1	18
YY00202		10	<1	0.06	10	0.22	262	4	0.01	37	1250	16	0.11	<2	1	17
YY00203		10	<1	0.20	10	0.48	219	4	0.01	45	1790	20	0.31	3	3	35
YY00204		10	<1	0.50	10	0.65	397	4	0.03	91	2130	19	0.50	<2	4	86
YY00205		10	<1	0.31	10	0.51	254	4	0.04	48	2130	13	0.39	<2	3	115
YY00206		10	1	0.43	10	0.59	317	4	0.05	31	1790	13	0.41	<2	3	144
YY00207		<10	1	0.11	10	0.39	237	1	<0.01	24	900	15	0.06	<2	1	24
YY00208		<10	<1	0.16	20	0.44	288	3	0.02	38	1850	15	0.17	<2	2	110
YY00209		<10	<1	0.12	10	0.43	287	2	0.02	35	1570	12	0.13	<2	2	76
YY00210		<10	1	0.11	30	0.22	177	12	0.08	62	4820	13	0.45	<2	6	194
YY00211		<10	<1	0.12	10	0.32	475	2	0.02	27	1720	16	0.12	2	1	29
YY00212		<10	<1	0.11	10	0.36	212	2	<0.01	24	820	14	0.06	<2	1	17
YY00213		10	1	0.10	10	0.21	152	2	<0.01	15	660	17	0.04	<2	2	17
YY00214		<10	<1	0.08	10	0.22	218	2	0.01	26	1190	13	0.08	<2	1	16
YY00215		10	<1	0.08	10	0.30	153	2	<0.01	18	620	12	0.04	<2	2	15
YY00216		10	<1	0.06	10	0.30	138	3	0.01	27	1040	13	0.08	<2	1	25
YY00217		<10	<1	0.07	10	0.29	183	2	<0.01	29	1000	11	0.06	<2	1	20
YY00218		10	<1	0.06	10	0.15	113	2	<0.01	11	910	12	0.04	<2	1	13
YY00219		10	<1	0.07	10	0.32	313	2	<0.01	21	920	14	0.05	<2	1	17
YY00220		<10	1	0.03	20	0.83	163	2	0.01	13	1250	12	0.09	<2	1	43
YY00221		<10	<1	0.08	20	0.25	110	2	<0.01	14	1060	14	0.05	<2	1	21
YY00222		<10	1	0.10	20	0.32	151	2	<0.01	23	1080	11	0.06	<2	2	26
YY00223		<10	<1	0.10	20	0.21	128	2	<0.01	16	880	13	0.05	<2	2	32
YY00224		<10	1	0.12	20	0.34	274	2	<0.01	25	570	21	0.04	2	3	21
YY00225		<10	<1	0.05	10	0.14	103	1	<0.01	13	720	9	0.05	<2	1	19
YY00226		<10	<1	0.03	10	0.02	37	1	<0.01	10	670	8	0.05	<2	<1	10
YY00227		10	<1	0.05	10	0.20	194	2	<0.01	16	470	11	0.03	2	1	13
YY00228		<10	1	0.15	40	0.44	267	3	0.01	74	1830	11	0.13	2	2	47
YY00229		<10	<1	0.07	20	0.33	108	2	0.01	16	1970	17	0.16	<2	<1	29
YY00230		<10	<1	0.10	20	0.37	239	2	0.01	24	880	15	0.06	<2	2	23
YY00231		10	<1	0.04	10	0.14	99	2	<0.01	10	470	13	0.03	<2	1	9
YY00232		10	<1	0.05	10	0.18	179	2	<0.01	12	500	13	0.03	<2	2	9
YY00233		10	<1	0.04	10	0.19	139	2	<0.01	14	800	12	0.07	<2	<1	10
YY00234		10	1	0.06	20	0.40	251	2	0.01	18	1160	12	0.05	<2	1	19
YY00235		<10	<1	0.25	20	0.54	247	3	0.02	33	1440	11	0.12	3	2	34
YY00236		10	<1	0.10	20	0.50	334	3	0.02	29	1710	19	0.14	4	1	41
YY00237		10	<1	0.33	20	0.57	292	3	0.03	32	2290	10	0.30	3	2	45
YY00238		10	<1	0.39	40	0.44	358	4	0.04	42	3230	23	0.57	4	3	109
YY00239		<10	<1	0.08	30	0.35	240	3	0.03	36	2150	17	0.23	3	1	53
YY00240		<10	<1	0.08	20	0.23	450	2	0.01	27	2520	64	0.11	5	1	169

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CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
YY00201		<20	0.02	<10	<10	40	<10	47
YY00202		<20	0.04	<10	<10	67	<10	93
YY00203		<20	0.05	<10	<10	65	<10	105
YY00204		<20	0.06	<10	<10	72	<10	186
YY00205		<20	0.05	<10	<10	43	<10	79
YY00206		<20	0.06	<10	<10	55	<10	70
YY00207		<20	0.03	<10	<10	52	<10	66
YY00208		<20	0.04	<10	<10	46	<10	78
YY00209		<20	0.04	<10	<10	50	<10	73
YY00210		20	0.05	<10	<10	91	<10	115
YY00211		<20	0.03	<10	<10	71	<10	78
YY00212		<20	0.03	<10	<10	58	<10	84
YY00213		<20	0.05	<10	<10	60	<10	54
YY00214		<20	0.03	<10	<10	61	<10	84
YY00215		<20	0.05	<10	<10	72	<10	65
YY00216		<20	0.03	<10	<10	50	<10	74
YY00217		<20	0.04	<10	<10	55	<10	83
YY00218		<20	0.03	<10	<10	63	<10	52
YY00219		<20	0.03	<10	<10	54	<10	72
YY00220		<20	<0.01	<10	<10	28	<10	29
YY00221		<20	0.03	<10	<10	48	<10	35
YY00222		<20	0.03	<10	<10	54	<10	59
YY00223		<20	0.03	<10	<10	55	<10	55
YY00224		<20	0.03	<10	<10	53	<10	63
YY00225		<20	0.03	<10	<10	52	<10	50
YY00226		<20	0.02	<10	<10	39	<10	27
YY00227		<20	0.05	<10	<10	57	<10	41
YY00228		<20	0.03	<10	<10	59	<10	103
YY00229		<20	0.01	<10	<10	44	<10	29
YY00230		<20	0.04	<10	<10	54	<10	65
YY00231		<20	0.04	<10	<10	73	<10	36
YY00232		<20	0.07	<10	<10	81	<10	41
YY00233		<20	0.02	<10	<10	66	<10	39
YY00234		<20	0.03	<10	<10	50	<10	61
YY00235		<20	0.05	<10	<10	52	10	84
YY00236		<20	0.02	<10	<10	53	<10	77
YY00237		<20	0.04	<10	<10	64	10	96
YY00238		<20	0.04	<10	<10	64	<10	123
YY00239		<20	0.02	<10	<10	51	<10	75
YY00240		<20	0.01	<10	<10	38	<10	226

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Project: RAU

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CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOD	0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
YY00241		0.44	0.081	0.9	0.46	292	<10	80	<0.5	14	0.04	<0.5	2	11	45	3.15
YY00242		0.38	0.004	0.6	1.77	199	<10	160	1.5	5	0.06	<0.5	16	39	82	4.87
YY00243		0.29	0.002	0.6	1.71	78	<10	140	0.8	4	0.05	<0.5	7	36	34	3.85
YY00244		0.31	0.006	0.2	1.11	184	<10	110	<0.5	4	0.05	<0.5	5	28	18	3.10
YY00245		0.33	0.002	0.3	2.62	82	<10	100	0.7	<2	0.05	<0.5	8	41	33	3.74
YY00246		0.32	0.003	0.2	1.69	96	<10	130	0.6	3	0.05	<0.5	6	34	21	3.96
YY00247		0.26	0.003	0.3	1.53	76	<10	150	0.7	3	0.06	<0.5	7	28	24	3.49
YY00248		0.27	0.001	0.3	1.66	57	<10	140	0.7	3	0.06	<0.5	7	33	23	3.85
YY00249		0.34	0.003	0.4	1.19	65	<10	140	0.5	<2	0.06	<0.5	5	26	24	3.05
YY00250		0.29	0.005	0.3	1.19	64	<10	180	0.5	4	0.10	<0.5	6	27	27	3.31
YY00251		0.30	0.004	0.4	1.72	41	<10	120	0.6	3	0.05	<0.5	8	31	22	3.49
YY00252		0.26	0.001	0.3	0.90	21	<10	70	<0.5	2	0.03	<0.5	2	20	12	2.83
YY00253		0.30	0.001	0.3	1.40	21	<10	90	0.6	2	0.06	<0.5	6	29	25	2.96
YY00254		0.31	0.001	0.4	2.16	25	<10	150	1.1	<2	0.06	<0.5	9	34	62	4.48
YY00255		0.24	0.002	0.5	1.63	26	<10	220	1.0	<2	0.24	<0.5	19	27	85	3.19
YY00256		0.33	0.004	0.8	2.04	39	<10	190	1.5	<2	0.08	<0.5	9	33	72	4.67
YY00257		0.31	0.003	0.5	1.74	46	<10	160	1.0	<2	0.12	<0.5	11	35	54	4.14
YY00258		0.34	0.001	0.7	2.05	15	<10	180	1.1	3	0.17	<0.5	10	29	46	4.70
YY00259		0.36	0.003	0.4	1.67	21	<10	160	0.8	3	0.19	<0.5	9	34	30	3.85
YY00260		0.38	0.002	0.6	2.44	8	<10	240	1.6	3	0.15	<0.5	14	44	77	6.01
YY00261		0.09	0.013	0.8	2.35	13	<10	100	2.0	<2	0.07	<0.5	17	22	243	2.48
YY00262		0.22	0.002	0.4	2.13	29	<10	150	0.8	2	0.08	<0.5	17	35	34	3.53
YY00263		0.12	<0.001	0.5	1.80	16	<10	300	1.3	<2	0.11	<0.5	17	33	59	2.88
YY00264		0.15	0.002	0.2	1.11	25	<10	90	0.6	<2	0.07	0.8	6	23	40	2.33
YY00265		0.14	0.008	0.5	2.01	32	<10	190	1.1	<2	0.08	<0.5	17	45	85	3.72
YY00266		0.33	0.002	0.2	1.27	26	<10	140	0.9	2	0.20	<0.5	12	25	45	2.86
YY00267		0.46	0.003	0.2	1.74	31	<10	140	2.1	3	0.13	<0.5	36	26	65	3.69
YY00268		0.39	0.003	<0.2	1.95	14	<10	150	1.3	<2	0.09	<0.5	19	28	73	4.45
YY00269		0.46	0.004	0.2	1.64	25	<10	210	1.3	5	0.16	<0.5	15	26	173	5.18
YY00270		0.33	0.003	<0.2	1.46	26	<10	80	0.7	2	0.07	<0.5	6	30	25	2.45

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	Analyte	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
	Units	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
	LOD	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
YY00241		<10	<1	0.06	30	0.03	220	2	0.01	8	1880	28	0.12	<2	<1	164
YY00242		<10	<1	0.13	10	0.40	469	3	0.03	36	1910	19	0.18	5	1	43
YY00243		10	<1	0.10	10	0.33	168	3	0.01	23	840	17	0.05	3	2	22
YY00244		<10	<1	0.09	20	0.27	168	2	0.01	16	780	16	0.05	2	1	26
YY00245		10	1	0.07	10	0.29	153	2	0.01	23	870	13	0.04	3	2	9
YY00246		10	<1	0.08	10	0.31	157	2	0.01	21	830	13	0.04	<2	2	19
YY00247		<10	<1	0.10	20	0.29	250	2	0.01	17	970	13	0.05	2	1	18
YY00248		<10	<1	0.12	10	0.37	161	2	0.01	21	640	13	0.05	2	2	16
YY00249		<10	<1	0.11	10	0.26	303	2	0.01	18	850	10	0.05	<2	1	17
YY00250		<10	<1	0.12	10	0.30	228	1	0.01	19	1140	11	0.08	<2	1	22
YY00251		<10	<1	0.10	10	0.28	219	2	0.01	20	1000	13	0.05	2	1	14
YY00252		10	<1	0.05	10	0.11	102	2	0.01	9	520	13	0.03	<2	1	9
YY00253		<10	<1	0.07	10	0.27	142	2	0.01	20	740	10	0.06	2	1	13
YY00254		10	<1	0.11	10	0.35	226	2	0.01	29	1130	15	0.09	2	2	23
YY00255		<10	<1	0.08	10	0.37	243	2	0.02	68	1080	11	0.08	2	1	41
YY00256		<10	<1	0.14	10	0.30	148	3	0.02	32	1110	16	0.16	2	2	38
YY00257		<10	<1	0.11	10	0.35	226	4	0.02	30	1370	12	0.10	2	2	26
YY00258		<10	<1	0.10	10	0.34	299	5	0.05	30	1980	12	0.22	2	2	102
YY00259		<10	<1	0.11	10	0.43	317	2	0.02	31	1570	14	0.11	2	2	68
YY00260		10	1	0.50	10	0.63	246	3	0.05	49	1840	12	0.40	2	3	122
YY00261		<10	1	0.05	10	0.28	159	2	0.01	85	810	10	0.05	2	2	10
YY00262		10	1	0.07	10	0.43	298	2	0.01	55	540	19	0.02	2	3	11
YY00263		10	<1	0.06	20	0.39	298	1	0.01	51	560	15	0.02	<2	3	13
YY00264		<10	<1	0.05	10	0.18	140	2	0.01	21	570	13	0.03	3	1	11
YY00265		10	<1	0.10	10	0.57	253	2	0.02	71	800	12	0.06	2	2	14
YY00266		<10	<1	0.07	10	0.38	266	1	0.01	60	1030	12	0.05	<2	2	23
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YY00268		<10	1	0.09	10	0.43	353	2	0.01	63	1140	13	0.07	<2	3	22
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YY00270		<10	<1	0.08	10	0.25	141	2	0.01	17	830	8	0.06	2	1	11

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

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

Finalized Date: 20-JUL-2018
Account: RCM

Project: RAU

CERTIFICATE OF ANALYSIS WH18157131

Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
	Analyte	Th	Ti	Tl	U	V	W	Zn
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOD	20	0.01	10	10	1	10	2
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YY00242		<20	0.02	<10	<10	65	<10	121
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YY00244		<20	0.03	<10	<10	59	<10	63
YY00245		<20	0.03	<10	<10	65	<10	87
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YY00269		<20	0.03	<10	<10	42	<10	68
YY00270		<20	0.04	<10	<10	50	<10	44

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

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CERTIFICATE OF ANALYSIS WH18157131

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

Applies to Method:	LOG-22	SCR-41	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Au-ICP21	ME-ICP41

APPENDIX IV

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	G31102	UTM:	532778	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117347	mN	
Comments:	Float on hill just above pits highly oxidized skarn banded tremolite with bands of FeOX and CuOX				

Sample Number:	G31103	UTM:	532777	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117349	mN	
Comments:	Float from pits tremolite quartz and strong FeOX no apparent CuOX				

Sample Number:	G31104	UTM:	532787	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117303	mN	
Comments:	Calc-silicate with tremolite minor sulfides appears to be just pyrite				

Sample Number:	R615151	UTM:	532962	mE	Nad83, Zone 8
Elevation:	1137 m	UTM:	7118510	mN	
Comments:	Outcrop sample comprising a limonitic rind on actinolite-tremolite-quartz skarn. No rep.				

Sample Number:	R615152	UTM:	532975	mE	Nad83, Zone 8
Elevation:	1144 m	UTM:	7118568	mN	
Comments:	Outcrop sample of orange weathering, non-calcareous, quartz pebble conglomerate, with rounded, elongate and parallel-aligned quartz grains up to 1cm by 2cm in size, and hosting sparse very fine grained pyrite in a dark grey matrix.				

Sample Number:	R615153	UTM:	532887	mE	Nad83, Zone 8
Elevation:	1212 m	UTM:	7117202	mN	
Comments:	Subcrop sample of tan-grey, quartz-tremolite skarn, with trace fine grained limonite disseminated throughout. Removed from a 1m^3 boulder.				

Sample Number:	R615154	UTM:	532877	mE	Nad83, Zone 8
Elevation:	1141 m	UTM:	7116846	mN	
Comments:	Composite sample of tan to dark grey tremolite skarn, removed from a shallow pit.				

Sample Number:	R615155	UTM:	532886 mE	Nad83, Zone 8	
Elevation:	1204 m	UTM:	7117190 mN		
Comments:	Outcrop sample of rusty-brown weathering, strongly oxidized tremolite skarn, hosting disseminated limonite and rusty pyrite throughout, as well as rare patches of powdery, medium grey, mineralization (after sx?)				

Sample Number:	R615156	UTM:	531204 mE	Nad83, Zone 8	
Elevation:	1286 m	UTM:	7124122 mN		
Comments:	Composite sample of frothy, dark, iron-stained rock. Most fragments are thin (<=1cm thick). Collected on a steep talus slope.				

Sample Number:	R615157	UTM:	531197 mE	Nad83, Zone 8	
Elevation:	1286 m	UTM:	7124131 mN		
Comments:	Outcrop sample of rusty-orange weathering quartz veinlets, each <1cm to 3cm in width, in a ~15cm wide network that cuts medium grey shale, with sparse pits filled with limonite and rare, brown, coarse grained siderite(?)				

Sample Number:	R615158	UTM:	531201 mE	Nad83, Zone 8	
Elevation:	1284 m	UTM:	7124123 mN		
Comments:	Float sample comprising one ~7cm^3 sized piece of soft, dark brown, coarse grained siderite breccia. No rep and no rep on site.				

Sample Number:	R615159	UTM:	531167 mE	Nad83, Zone 8	
Elevation:	1286 m	UTM:	7124122 mN		
Comments:	Float sample of orange weathering drusy quartz, with patches of earthy limonite throughout and moderate canary yellow powder staining (plumbo-jarosite?). Collected on a steep talus slope of shale.				

Sample Number:	R615160	UTM:	531149 mE	Nad83, Zone 8	
Elevation:	1303 m	UTM:	7124113 mN		
Comments:	Float sample of rock with the same lithology as sample R615159. No rep. Collected on a steep talus slope of shale.				

Sample Number:	R615161	UTM:	531659	mE	Nad83, Zone 8
Elevation:	1268 m	UTM:	7123983	mN	

Comments: Float sample of punky, orange-brown to yellow-green (arsenic stained?) decarb breccia, with manganese flooding throughout. Sample is ~15x10x8cm in size, in a talus float train.

Sample Number:	R615162	UTM:	531648	mE	Nad83, Zone 8
Elevation:	1272 m	UTM:	7123964	mN	

Comments: Float sample of rock with the same lithology as sample R615161, from higher up the float train. No rep.

Sample Number:	R615163	UTM:	531642	mE	Nad83, Zone 8
Elevation:	1278 m	UTM:	7123964	mN	

Comments: Float sample of dark rusty-brown, punky and vuggy, quartz-clast breccia, healed in a rusty, iron-stained, siderite matrix, and with vugs filled with canary yellow mineralization. Collected from a approximately 30x30x15cm sized boulder, and uphill of samples R615161 and R615162.

Sample Number:	R615164	UTM:	531814	mE	Nad83, Zone 8
Elevation:	1163 m	UTM:	7123890	mN	

Comments: Float sample of a fist-sized piece of rock with the same lithology as sample R615161, collected in a shale talus pile with nothing similar around. No rep and no rep on site.

Sample Number:	R615165	UTM:	531813	mE	Nad83, Zone 8
Elevation:	1168 m	UTM:	7123890	mN	

Comments: Outcrop sample of rusty weathering, drusy quartz, with druses filled with brown mica and chocolate brown oxide, and narrow hairline fractures filled with limonite. The orientation cannot be determined.

Sample Number:	R615166	UTM:	533106	mE	Nad83, Zone 8
Elevation:	1187 m	UTM:	7117374	mN	

Comments: Float sample, collected from a 30cm^3 boulder, comprising medium orange quartz grit, with sparse <1cm wide quartz veinlets hosting limonitic pits.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	R615167	UTM:	532942	mE	Nad83, Zone 8
Elevation:	1170 m	UTM:	7116952	mN	
Comments:	Float sample, removed from a 60 cm deep pit, of rock with the same lithology as sample W593096.				

Sample Number:	R615168	UTM:	532936	mE	Nad83, Zone 8
Elevation:	1176 m	UTM:	7116971	mN	
Comments:	Float sample, removed from a 50 cm deep pit, comprising slightly calcareous, patchy light and dark grey marble, hosting trace, disseminated, fine grained pyrite.				

Sample Number:	R615169	UTM:	533582	mE	Nad83, Zone 8
Elevation:	1362 m	UTM:	7116951	mN	
Comments:	Subcrop sample of rusty-orange weathering, strongly altered gabbro, hosting mm-scale rusty actinolite veinlets.				

Sample Number:	R615170	UTM:	533268	mE	Nad83, Zone 8
Elevation:	1260 m	UTM:	7116737	mN	
Comments:	Float sample of orange-brown weathering, punky, siliceous (vein?) breccia, with angular vugs filled with chocolate brown oxide and lesser hematite. Collected in an area of abundant gabbro outcrop with no clue of the provenance of this rock.				

Sample Number:	R615171	UTM:	534101	mE	Nad83, Zone 8
Elevation:	1373 m	UTM:	7117476	mN	
Comments:	Float sample of a 10cm^3 boulder comprising vuggy quartz, with abundant vugs containing orange oxide, and sparse clots of disseminated, very fine grained pyrite.				

Sample Number:	R615172	UTM:	534089	mE	Nad83, Zone 8
Elevation:	1347 m	UTM:	7117541	mN	
Comments:	Composite sample of the most corroded pieces of shale breccia, with angular pieces of shale healed in an iron-rich, red to dark orange matrix. Locally abundant in a talus slope.				

Sample Number:	R615173	UTM:	533805	mE	Nad83, Zone 8
Elevation:	1315 m	UTM:	7117582	mN	

Comments: Float sample of rusty and earthy weathering quartz-shale breccia, hosting abundant chocolate brown oxide in the matrix, supporting angular quartz clasts. Collected in a talus slope.

Sample Number:	R615174	UTM:	534319	mE	Nad83, Zone 8
Elevation:	1291 m	UTM:	7117964	mN	

Comments: Float sample of rock with the same lithology as sample R615173, collected from a 50cm^3 boulder, in a small boulder field of similar material that occupies a gully.

Sample Number:	R615175	UTM:	532876	mE	Nad83, Zone 8
Elevation:	0 m	UTM:	7117454	mN	

Comments: Float sample, removed from a 80 cm deep pit, of medium grey, silty limestone, with thin calcite veinlets throughout and rare clots of medium grained blackjack sphalerite, which weathers to chocolate brown oxide.

Sample Number:	R615176	UTM:	533032	mE	Nad83, Zone 8
Elevation:	1217 m	UTM:	7117261	mN	

Comments: Subcrop sample of rusty-orange weathering, quartz-tremolite skarn, with abundant chocolate brown oxide and pale yellow-green precipitate throughout. Collected beneath a cliffy outcrop of the same material with a bedding orientation of 060/31 SE.

Sample Number:	R615177	UTM:	532995	mE	Nad83, Zone 8
Elevation:	1218 m	UTM:	7117250	mN	

Comments: Float sample of rusty-brown weathering, quartz-shale breccia, with abundant fine grained pyrite hosted in dark grey shale.

Sample Number:	R615178	UTM:	533058	mE	Nad83, Zone 8
Elevation:	1211 m	UTM:	7117243	mN	

Comments: Float sample of rock with the same lithology as sample R615155, collected from a 50x30x30cm boulder in a boulder field of similar material.

Sample Number:	R615179	UTM:	534144	mE	Nad83, Zone 8
Elevation:	1334 m	UTM:	7117651	mN	

Comments: Outcrop sample of orange weathering, punky quartz vein, no more than 10 cm wide, that cuts through dark grey shale and has an unknown orientation.

Sample Number:	W591401	UTM:	527120	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121746	mN	

Comments: 4 cm by 4 cm by 2 cm piece of red brown competent oxidized volcanic. Minor sericite on one edge.

Sample Number:	W591402	UTM:	527111	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121741	mN	

Comments: Quartz vein float with 20-30% orange oxide. Quartz is bull white quartz. Not expecting this sample to run but more so test to eliminate this type of mineralization as potential. The structural corridor has abundant quartz carbonate vein float more so than most other target areas along the Tiger trend.

Sample Number:	W591403	UTM:	527035	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121675	mN	

Comments: 4cm by 4cm by 5 cm piece of rounded red-brown-purple oxide with abundant clear quartz in a somewhat brecciated and vuggy matrix. Also seeing small pieces of strongly sericitized and oxidized volcanic

Sample Number:	W591404	UTM:	527030	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121687	mN	

Comments: Deep purple vuggy oxide with only minor fine clear quartz. One piece 3cm by 3cm by 2 cm. Note - still seeing pieces of highly strained marbleized limestone.

Sample Number:	W591405	UTM:	526984	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121656	mN	

Comments: 8cm by 6 cm by 4 cm piece of white quartz vein cut by oxide/siderite veins and patches developed through structure. Overall oxide is 45% of which 80% is orange brown oxide and 20% is siderite.

Sample Number:	W591406	UTM:	526983	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121643	mN	

Comments: One piece of rounded red-purple vuggy oxide float. Abundant clear fine silica/sericite on broken surface. Still seeing small pieces of sericite/oxide volcanic in float train.

Sample Number:	W591407	UTM:	526933	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121612	mN	

Comments: 4 cm by 4 cm by 2 cm of orange brown oxide - pitted but competent with possible layering - possibly near volcanic contact.

Sample Number:	W591408	UTM:	532912	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117514	mN	

Comments: The area is characterized by a gentle north facing slope largely covered in thick accumulations of moss and Labrador tea. The moss was peeled back from a site directly adjacent to the anomalous sample site and exposed a fairly large block of blonde weathering tremolite skarn frozen near the top of the till profile. This piece is angular and has not travelled far from source. Broken surfaces show some dark brown-orange oxide patches. This was the only site where mineralization was found largely due to the frozen conditions of the area. Several other sites were cleared within a 30 m radius but only frozen glacial clay was encountered.

Sample Number:	W591409	UTM:	532917	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117468	mN	

Comments: Small pit dug roughly 15 m upslope from the anomalous sample site. The pit encountered 8 pieces of strongly oxidized tremolite skarn immediately below the organic and directly above the glacial clay layer. Pieces ranged in size from 2 cm to 15 cm thick. All pieces are hefty but strongly oxidized with pockets and bands of pitted red-brown oxide. Strong oxidation is accompanied by well-developed sericite.

Sample Number:	W591410	UTM:	532917	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117468	mN	

Comments: Same site as above. This piece is only weakly oxidized with abundant white blonde weathering tremolite. Minor orange brown oxide pits and abundant manganese spotting on broken surface.

Sample Number:	W591411	UTM:	532774	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117353	mN	

Comments: 9 cm thick piece of tremolite vein float. Strongly oxidized and mineralized with malachite/azurite, chalcopyrite blebs and stringers. Moderately abundant along a narrow focused float train.

Sample Number:	W591412	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117354	mN	

Comments: 6 cm thick piece of semi-massive oxidized pyrrhotite skarn with some residual fresh pyrrhotite and chalcopyrite but rare. Also traces of residual tremolite.

Sample Number:	W591413	UTM:	532776	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117349	mN	

Comments: 6 cm tremolite vein with strong orange oxidation and visible copper mineralization.

Sample Number:	W591414	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117352	mN	

Comments: 4 cm tremolite vein with abundant malachite/azurite on most surfaces. Also seeing chalcopyrite forming in gaps or open spaces between tremolite crystals. Very geometric look to the mineralization filling the spaces of syntaxial growths of the tremolite.

Sample Number:	W591415	UTM:	532795	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117345	mN	

Comments: 3 cm thick piece of sucrosic quartz vein with mild orange oxide pits and abundant purple fluorite. Not expecting this to run but sampled and noted because of mineralogy.

Sample Number:	W591416	UTM:	532796	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117338	mN	

Comments: 1 cm tremolite vein cutting heavily crenulated marble. Vein material contains abundant red oxide pits and minor blebs of bismuthinite. Sampled because of the different mineralogy.

Sample Number:	W591417	UTM:	532815	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117334	mN	

Comments: 4 cm thick oxidized pyrrhotite skarn likely from narrow isolated lens. Minor residual tremolite.

Sample Number:	W591418	UTM:	532819	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117335	mN	

Comments: 4 pieces of limonite 1 cm to 3 cm thick - red/brown coloration likely associated with edge of tremolite veining.

Sample Number:	W591419	UTM:	532937	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117408	mN	

Comments: corner piece of the arkosic unit from 1 m size block. Abundant limonite throughout after pyrite. Sampled for geochem signature.

Sample Number:	W591420	UTM:	532960	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117438	mN	

Comments: Dark grey hornfels volcanic 1% disseminated pyrite. Sampled for geochemical signature.

Sample Number:	W591421	UTM:	533024	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117374	mN	

Comments: Coincides with well drained float train with only 1 cm of moss and 20 cm soil above glacial till. Two small pieces of blonde weathering tremolite vein material but too small to sample. Sampled two pieces of hornfels volcanic with abundant oxide pits in matrix and strong concentration of limonite along fracture.

Sample Number:	W591422	UTM:	533030	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117320	mN	

Comments: 1 piece of foliation parallel quartz flooded hornfelsed phyllite. 2-4% coarse blebby pyrite in quartz zones and trace chalcopyrite.1 piece of subangular grey carbonate was observed on the slope with localized tremolite growths and trace pyrite.

Sample Number:	W591423	UTM:	532983	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117247	mN	

Comments: One 1.5 cm thick blonde-brown weathering tremolite vein float - no visible mineralization.

Sample Number:	W591424	UTM:	532885	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117260	mN	

Comments: Pit dug at site sampled a handful of red limonite fragments. May be associated with quartz flooding.

Sample Number:	W591425	UTM:	532526	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117575	mN	

Comments: Carbonate exposure around the corner from the structure. Carbonates are strongly sheared but appear to be sheared along bedding orientation. Some tremolite bands are seen within the package and are more competent than the sheared material.

Sample Number:	W591426	UTM:	532537	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117584	mN	

Comments: Collection of brown-yellow limonite at base of slope.

Sample Number:	W591427	UTM:	532608	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117597	mN	

Comments: 3 pieces of rusty blonde weathering tremolite veins up to 3 cm thick and strongly folded. Abundant pale orange and light brown oxide on broken surfaces.

Sample Number:	W591428	UTM:	533296	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124649	mN	

Comments: Abundant iron coating on all rocks in creek and not surprising given the pyritic nature of the carbonaceous shales throughout the stratigraphy. At this station samples were collected of dark grey calcrete breccia bleeding from both the west and east side of the creek banks. Resembles ferricrete but without the iron.

Sample Number:	W591429	UTM:	533232	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124373	mN	

Comments: samples of crete from the creek but locally derived from the west bank. Just sampled for signature

Sample Number:	W591430	UTM:	533174	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123615	mN	

Comments: 5 cm thick piece of quartz limonite breccia. One piece found well up on east bank - definitely sourcing from eastern slope.

Sample Number:	W591431	UTM:	533168	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123444	mN	

Comments: 10 cm by 6 cm cobble of earthy yellow-orange limonite with patches of earthy red hematite and dull grey hematite(?) plus clear cross cutting quartz veinlets.

Sample Number:	W591432	UTM:	533168	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123444	mN	

Comments: moderately oxidized quartz vein material cutting hornfels. Veins are pitted containing dull metallic luster mineral with soft orange-brown streak. Also abundant yellow-orange coating resembling sulphate minerals.7123444

Sample Number:	W591433	UTM:	533136	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123341	mN	

Comments: Hefty 5 cm thick cobble of hematite quartz breccia.

Sample Number:	W591434	UTM:	533154	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123310	mN	

Comments: 15 cm cobble of blonde weathering tan conglomeratic breccia. Phyllite and quartz clasts cemented in a yellow-tan matrix.

Sample Number:	W591435	UTM:	533122	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123160	mN	

Comments: 5 cm skarn vein cutting hornfels block. Cobbed of vein for sample. Matrix looks like coidierite ?? or a mineral similar in appearance. Also hematite and fine grained actinolite plus minor lenses and patches of yellow - orange sulphate looking minerals.

Sample Number:	W591437	UTM:	533488	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121853	mN	

Comments: Several 10 cm thick pieces of red-brown-orange oxidized sucrosic quartz-sericite material - likely part of a skarn envelop.

Sample Number:	W591438	UTM:	533488	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121853	mN	

Comments: Sucrosic silicified carbonate strongly pitted with 10% disseminated pyrrhotite and traces chalcopyrite.

Sample Number:	W591439	UTM:	533488	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121853	mN	

Comments: Completely bleaches and pitted version of sample (W591438) - only silica boxwork left with some yellow-brown oxide - resembles pumice.

Sample Number:	W591440	UTM:	533473	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121853	mN	

Comments: 35 cm thick block of actinolite skarn containing sections of semi-massive pyrrhotite and up to 5% finely disseminated chalcopyrite. Other parts of the skarn are less well mineralized.

Sample Number:	W591441	UTM:	532097	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124625	mN	

Comments: 2 cm pieces of hornfels breccia healed with dark red oxide and patchy orange -yellow oxide.

Sample Number:	W591442	UTM:	532095	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124339	mN	

Comments: 0.5 m slab of hornfels with cal/fer "crete" accompanied by pockets of yellow-orange oxide.

Sample Number:	W591443	UTM:	532088	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123955	mN	

Comments: 15 cm piece of rounded quartz breccia in hornfels with mild orange-brown oxidation.

Sample Number:	W591444	UTM:	531872	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123433	mN	

Comments: 15 cm rounded cobble of intense quartz breccia healed with red-orange oxide.

Sample Number:	W591445	UTM:	531402	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121699	mN	

Comments: 15 cm cobble of orange rusty weathering marble skarn moderately mineralized with disseminated pyrrhotite and traces chalcopyrite.

Sample Number:	W591446	UTM:	531436	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121706	mN	

Comments: Fine grained orange skarnified calcareous sediments (likely interbedded within the carbonate sequence) mineralized with fine disseminated pyrrhotite and magnetite(?) and minor amounts of chalcopyrite.

Sample Number:	W591447	UTM:	531639	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121674	mN	

Comments: 4 cm skarny quartz vein. Patches of chlorite-actinolite skarn amongst the rusty quartz vein material. Coarse pyrrhotite is clustered among the skarn mineralization with traces of chalcopyrite.

Sample Number:	W591448	UTM:	531720	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121661	mN	

Comments: 60 cm by 60 cm by 40 cm locally derived piece of dark red weathering chlorite/actinolite skarn with abundant clear transparent skarn minerals not identified. Pyrrhotite occurs as course patches and finer disseminations with minor amounts of chalcopyrite.

Sample Number:	W591449	UTM:	531472	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121657	mN	

Comments: 14 cm thick quartz vein cutting tan weathering marble. Vein has multiple generations of quartz - white vein quartz, clear vuggy quartz and black smoky quartz. An unidentified dull luster black mineral occurs in vugs and open spaces plus a minor amount o

Sample Number:	W591450	UTM:	531523	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122453	mN	

Comments: 5 cm piece of quartz breccia and minor red oxide cutting dark grey carbonate.

Sample Number:	W591451	UTM:	531561	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122439	mN	

Comments: 4 cm band of skarnified sucrosic sediment. Limonite after pyrite along thin bedding parallel bands. Minor tremolite.

Sample Number:	W591452	UTM:	531606	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122368	mN	

Comments: Intense dark purple-red oxidation in moderately skarnified sucrosic sediments. May have been semi-massive sulphide pre-oxidation - 22 cm thick. Seeing abundant carbonate blocks on slope.

Sample Number:	W591453	UTM:	531686	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122324	mN	

Comments: Collection of 1-2 cm thick pieces of quartz vein material with abundant orange brown oxide. Minor fibrous mineral in veins - likely tremolite.

Sample Number:	W591454	UTM:	531797	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122338	mN	

Comments: 15 cm thick breccia containing quartz, siderite and hornfels frags cemented with orange brown oxide and siderite?

Sample Number:	W591455	UTM:	531935	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122405	mN	

Comments: Skarnified sucrosic sediment with bedding parallel dense purple brown goethite and lesser orange brown oxide. Also moderate sericite in areas. **Note photographed with wrong tag "456" but changed in bag for assay. A note will be made on the photo.

Sample Number:	W591456	UTM:	531951	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122400	mN	

Comments: 15 cm skarn band - 1/2 sucrosic looking skarnified sediment with minor limonite bands after pyrite and 1/2 siderite-goethite-hematite?? Very hefty.

Sample Number:	W591457	UTM:	532021	mE	Nad83, Zone 8
Elevation:	m	UTM:	7122326	mN	

Comments: 11 cm quartz vein - white to clear vein quartz with syntaxial growth geometry. Many vugs and open spaces are filled with orange-brown oxide.

Sample Number:	W591458	UTM:	534024	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123971	mN	

Comments: 3 cm piece of hornfels crackle breccia healed with red-brown oxide.

Sample Number:	W591459	UTM:	533952	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123810	mN	

Comments: 5 cm piece of sucrosic skarnified sediment (ie - calcareous arkose at one time) moderately fractured with red-purple limonite

Sample Number:	W591460	UTM:	533923	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123766	mN	

Comments: 4.5 cm piece of hornfels-quartz breccia. Matrix minerals appear to be skarn associated and hefty.

Sample Number:	W591461	UTM:	533839	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123562	mN	

Comments: 2 cm piece of folded tremolite/actinolite skarn with strong orange-brown oxidation and secondary quartz-goethite veinlets and ffractures.

Sample Number:	W591462	UTM:	533832	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123545	mN	

Comments: 6 cm piece of hornfels-skarn-quartz breccia healed with orange-brown oxide.

Sample Number:	W591463	UTM:	533830	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123535	mN	

Comments: 2.5 cm piece of quartz breccia healed with goethite-limonite.

Sample Number:	W591464	UTM:	533830	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123535	mN	

Comments: 2 cm piece of punky pitted bleached sucrosic sediment ?? with abundant limonite boxwork after pyrite throughout. Pumice texture and weight.

Sample Number:	W591465	UTM:	533742	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123372	mN	

Comments: 5 cm piece of sucrosic sed - blonde/tan weathering with patchy dark brown limonite throughout.

Sample Number:	W591466	UTM:	533714	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123294	mN	

Comments: 2.5 cm piece of red-orange-purple limonite-goethite-hematite vein float.

Sample Number: W591467 UTM: 532903 mE Nad83, Zone 8
Elevation: m UTM: 7122396 mN
Comments: strong fracture plane in the sediments running 020/60 E. Sampled an 8 cm quartz vein locally derived from the fracture zone. Vein material quite hefty fro quartz - syntaxial crystal growth leaving a lot of open space some of which is filled with red-ora

Sample Number: W591468 UTM: 532599 mE Nad83, Zone 8
Elevation: m UTM: 7122160 mN
Comments: 10 m wide recessive zone with orange-tan coated tremolite/actinolite skarn fragments exposed in numerous golfer holes across the zone. Some fragments contain appreciable dark brown limonite. Sampled approximately 1/2 sample bag of fragments from 7 golfe

Sample Number: W591469 UTM: 533923 mE Nad83, Zone 8
Elevation: m UTM: 7121609 mN
Comments: Bleached and pitted marble with abundant orange-brown oxide pits and patches. Several dense dark brown stratabound limonite bands - sample 16 cm thick. Sampled collected near the sediment/carbonate main contact.

Sample Number: W591470 UTM: 533903 mE Nad83, Zone 8
Elevation: m UTM: 7121577 mN
Comments: Collection of red oxide filling fractures and open spaces in the marble - semi karst fill in areas.

Sample Number: W591471 UTM: 533903 mE Nad83, Zone 8
Elevation: m UTM: 7121577 mN
Comments: same style of quartz mineralization sampled at W591467.

Sample Number: W591472 UTM: 532825 mE Nad83, Zone 8
Elevation: m UTM: 7123844 mN
Comments: Jesses sample from priority 1 sample line - 5 cm piece of hornfels crackle breccia healed with minor red oxide.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591473	UTM:	532200	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123854	mN	
Comments:	Jesses sample from the priority 1 sample area - 3 cm piece of "crete" with hornfels frags moderately oxidized.				

Sample Number:	W591474	UTM:	527487	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120349	mN	
Comments:	sample of the volcanic material from the south end of the trench.				

Sample Number:	W591475	UTM:	527487	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120349	mN	
Comments:	red/brown oxide float in trench with areas of bright red oxide not commonly seen.				

Sample Number:	W591476	UTM:	527502	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120336	mN	
Comments:	Condor Pit 1 - Platy grey carbonate with bright orange oxide fractures.				

Sample Number:	W591477	UTM:	527483	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120338	mN	
Comments:	Condor pit 2 - 3 cm piece of oxide vein (slicken side on one edge) Competent orange oxide with siderite fragments and parallel siderite bands at the edge.				

Sample Number:	W591478	UTM:	527483	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120338	mN	
Comments:	Condor pit 2 - 1 cm dark brown siderite vein.				

Sample Number:	W591479	UTM:	527474	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120343	mN	
Comments:	Condor pit 2 - 8 cm thick pieces of strongly oxidized-banded-sericitized volcanic. Main rock type along slope is thin grey platy carbonate.				

Sample Number:	W591480	UTM:	527461	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120341	mN	

Comments: Condor Pit 5 - 3 cm pieces of altered volcanic - orange brown oxide layering.

Sample Number:	W591481	UTM:	527461	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120341	mN	

Comments: Condor Pit 5 - 4 cm pieces orange-brown oxidized volcanic with manganese stained patchy pitted oxide.

Sample Number:	W591482	UTM:	527461	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120341	mN	

Comments: Condor Pit 5 - 8 cm piece of quartz carbonate vein with minor orange oxide.

Sample Number:	W591485	UTM:	527481	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120336	mN	

Comments: Condor Pit 7 - Between pit lines off west edge of siderite zone. Red-brown-purple oxide does not look volcanic in origin.

Sample Number:	W591486	UTM:	527481	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120336	mN	

Comments: Condor Pit 7 - 2 m east of Condor Pit 7 - 30 cm thick piece of strongly sericitized and oxidized volcanic with minor siderite fracture filling and cream-white brecciated quartz flooding.

Sample Number:	W591487	UTM:	527491	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120325	mN	

Comments: 2 m above Condor Pit 8 - narrow float train with 10 cm pieces of orange pitted competent oxide with patchy manganese fractures - does not look volcanic in origin.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591488	UTM:	527503	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120323	mN	

Comments: Condor Pit 9 - 2-3 cm pieces of orange-brown competent oxidized volcanic. Some of the samples were collected from the mid pit profile but most were collected from the organic/OB interface

Sample Number:	W591489	UTM:	527503	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120323	mN	

Comments: Condor Pit 9 - Collection of 1 - 2 cm oxide pieces of various origins.

Sample Number:	W591490	UTM:	527464	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120313	mN	

Comments: Condor Pit 12 - 4 cm piece of competent banded volcanic with orange oxide bands and manganese siderite alteration. Cream-white quartz fragments appear to be bedding parallel.

Sample Number:	W591491	UTM:	527464	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120313	mN	

Comments: Condor Pit 12 - Collection of 2 - 4 cm pieces of orange oxidized volcanic from base of he pit spill pile - most likely came from the base of the profile.

Sample Number:	W591492	UTM:	527484	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120305	mN	

Comments: Condor Pit 15 - 3 cm pieces of sericitized oxidized volcanic with minor siderite and quartz flooding parallel to banding.

Sample Number:	W591493	UTM:	527484	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120305	mN	

Comments: Condor Pit 15 - 3 cm pieces of orange oxide altered volcanic with minor residual mafic pockets.

Sample Number:	W591494	UTM:	527484	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120305	mN	

Comments: Condor Pit 15 - 7 cm pieces of pitted sericitized volcanic with abundant orange oxide banding.

Sample Number:	W591495	UTM:	527484	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120305	mN	

Comments: Condor Pit 15 - 8 cm piece of dark brown-orange oxidized and brecciated volcanic?? Some mafic green patches and minor quartz floods.

Sample Number:	W591496	UTM:	527484	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120305	mN	

Comments: Condor Pit 15 - 6 cm quartz-carbonate-siderite vein.

Sample Number:	W591497	UTM:	527493	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120304	mN	

Comments: Condor Pit 16 - collection of 2 cm pieces of purple-orange oxide, some with remnant banded volcanic patches with strong sericite development.

Sample Number:	W591498	UTM:	527493	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120304	mN	

Comments: Condor Pit 16 - 5 cm piece of sericitized and oxidized volcanic.

Sample Number:	W591499	UTM:	527489	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120289	mN	

Comments: Condor Pit 19 - 3 cm vein with 2 cm of "witherite" and 1 cm siderite.

Sample Number:	W591500	UTM:	527489	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120289	mN	

Comments: Condor Pit 19 - 2.5 cm pieces of vuggy quartz-siderite-barite sphalerite.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591501	UTM:	527489	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120289	mN	
Comments:	Condor Pit 19 - 2 cm pieces of red-orange oxide.				

Sample Number:	W591502	UTM:	527478	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120288	mN	
Comments:	Condor Pit 20 - 30 cm thick piece of dark purple-orange-brown oxide with abundant pits and vugs and sporadic quartz fragments.				

Sample Number:	W591503	UTM:	527476	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120295	mN	
Comments:	Condor Pit 21 - 2 - 4 cm pieces of bright orange-yellow oxide				

Sample Number:	W591504	UTM:	527476	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120295	mN	
Comments:	Condor Pit 21 - 5 - 6 cm pieces of banded deep brown-orange-yellow oxidized volcanic.				

Sample Number:	W591505	UTM:	527474	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120288	mN	
Comments:	Condor Pit 22 - 4 cm piece of sucrosic oxidized carbonate with strong orange-brown pitting and goethite bands on the edge.				

Sample Number:	W591506	UTM:	527474	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120288	mN	
Comments:	Condor Pit 22 - Collection of red-brown-orange oxide 2 - 5 cm in size				

Sample Number:	W591507	UTM:	527474	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120288	mN	
Comments:	Condor Pit 22 - 3 cm pieces of red-brown siderite altered oxide with cream quartz floods and breccia zones.				

Sample Number:	W591508	UTM:	527458	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120296	mN	

Comments: Condor Pit 24 -10 cm piece of carbonate (?) vein float with veinlets and patches of Hydrozincite/Witherite - has a bit of a Cerrucite look to it but it is not.

Sample Number:	W591509	UTM:	527443	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120280	mN	

Comments: Condor Pit 26 - 3 cm pieces of weak to moderately altered volcanic with secondary manganiferous siderite and cream quartz breccia. From upper part of the pit profile.

Sample Number:	W591510	UTM:	527455	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120275	mN	

Comments: Condor Pit 27 - 6 cm piece of moderately oxidized banded volcanic - tan/red/purple oxidation.

Sample Number:	W591511	UTM:	527455	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120275	mN	

Comments: Condor Pit 27 - 8 cm piece of nubby weathering carbonate veining with spotty hydrozincite and minor barite/witherite and pockets of dark brown siderite.

Sample Number:	W591512	UTM:	527464	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120268	mN	

Comments: Condor Pit 28 - 3-4 cm pieces of competent red-brown oxide with patches of bright yellow-orange oxide.

Sample Number:	W591513	UTM:	527464	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120268	mN	

Comments: Condor Pit 28 - 2 cm pieces of oxidized volcanic.

Sample Number:	W591514	UTM:	527464	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120268	mN	

Comments: Condor Pit 28 - 1 -3 cm pieces of porous siderite-goethite vein float with pockets of red-orange oxide.

Sample Number:	W591515	UTM:	527475	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120264	mN	

Comments: Condor Pit 29 - 5 cm piece of bright orange-yellow oxidized volcanic and minor sericite.

Sample Number:	W591516	UTM:	527475	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120264	mN	

Comments: Condor Pit 29 - 7 cm red-brown-purple manganiferous oxide - strongly pitted but competent.

Sample Number:	W591517	UTM:	527486	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120259	mN	

Comments: Condor Pit 30 - 4 cm pieces oxidized banded volcanic near base of organic.

Sample Number:	W591518	UTM:	527498	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120256	mN	

Comments: Condor Pit 31 - 2 cm pieces siderite, goethite veining with minor orange oxide.

Sample Number:	W591519	UTM:	527498	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120256	mN	

Comments: Condor Pit 31 - 5 cm piece of carbonate with orange and red limonite filled fractures.

Sample Number:	W591520	UTM:	527464	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120265	mN	

Comments: 22 cm piece of competent pitted orange-red-purple oxide.

Sample Number:	W591521	UTM:	527444	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120257	mN	

Comments: Condor Pit 32 - 3 cm piece of red-brown oxidized volcanic - well banded - moderate sericite.

Sample Number:	W591522	UTM:	527452	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120260	mN	

Comments: Condor Pit 33 - 16 cm oxidized banded volcanic with moderate sericite.

Sample Number:	W591523	UTM:	527452	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120260	mN	

Comments: Condor Pit 33 - 5 cm pieces of competent orange oxide - weakly banded volcanic origin?

Sample Number:	W591524	UTM:	527452	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120260	mN	

Comments: Condor Pit 33 - 6 cm barite-carbonate vein with moderate hydrozincite.

Sample Number:	W591525	UTM:	527452	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120260	mN	

Comments: Condor Pit 33 - 10 cm piece of barite-carbonate-cerrucite(?) breccia vein - "dry bone" ore look with the cerrucite.

Sample Number:	W591526	UTM:	527460	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120252	mN	

Comments: Condor Pit 34 - variety of oxidized volcanic from different parts of the pit profile.

Sample Number:	W591527	UTM:	527460	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120252	mN	

Comments: Condor Pit 34 - several pieces of strong orange-purple oxidized volcanic from the base of the pit.

Sample Number:	W591528	UTM:	527481	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120245	mN	

Comments: Condor Pit 36 - orange -brown-purple oxide nuggets from various parts of the profile.

Sample Number:	W591529	UTM:	527481	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120245	mN	

Comments: Condor Pit 36 - 2 cm pieces of deep red-orange oxide from the base of the pit.

Sample Number:	W591530	UTM:	527491	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120238	mN	

Comments: Condor Pit 37 - 1/2 a handful of 0.5 cm or less oxide nuggets near the top of the subcrop unit.

Sample Number:	W591531	UTM:	527498	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120236	mN	

Comments: Condor Pit 38 - 1/2 handful of 0.5 cm or less dark red-purple-orange oxide nuggets from the organic-till interface.

Sample Number:	W591532	UTM:	527453	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120228	mN	

Comments: Condor Pit 40 - 2 cm pieces of oxide near till/till-overburden interface. Orange-brown oxide with minor manganese and quartz fragments.

Sample Number:	W591533	UTM:	527477	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120222	mN	

Comments: Condor Pit 42 - collection of oxide bits and nuggets from various parts of the profile.

Sample Number:	W591534	UTM:	527438	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120221	mN	

Comments: Condor Pit 44 - 10 cm thick block of recrystallized carbonate with patches of cerrucite.

Sample Number:	W591535	UTM:	525819	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121826	mN	

Comments: Puma Line 4 - Pit 5 - small collection of 0.5 cm or less rotten red oxide bits from the spill pile. Most likely rind bits from the volcanic.

Sample Number:	W591536	UTM:	525829	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121810	mN	

Comments: Puma Line 4 - Pit 4 - collection of small rotten oxide nuggets from the spill pile - orange-red oxide rind on fresh volcanic associated?

Sample Number:	W591537	UTM:	525840	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121795	mN	

Comments: Puma Line 4 - Pit 3 - medium orange oxidation throughout some volcanic and possible carbonate hosts. Minor amounts of sericite in several samples.

Sample Number:	W591538	UTM:	525856	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121774	mN	

Comments: Puma Line 4 - Pit 2 - small fragments of orange oxide from spill pile likely associated with the orange-red oxide rinds.

Sample Number:	W591539	UTM:	525872	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121762	mN	

Comments: Puma Line 4 - Pit 1 - collection of small rotten oxide fragments from the spill pile of various hosts.

Sample Number:	W591540	UTM:	525872	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121762	mN	

Comments: Puma Line 4 - Pit 1 - 2 cm piece of orange-red oxide. Host is unknown but there could be residual sucrosic carbonate from either volcanic or limestone.

Sample Number:	W591541	UTM:	525852	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121864	mN	

Comments: Puma Line 3 - Pit 5 - 2 cm piece of dark brown-red oxidized and sericitized banded volcanic. Minor siderite bands parallel to alteration bands.

Sample Number:	W591542	UTM:	525873	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121833	mN	

Comments: Puma Line 3 - Pit 3 - 2 to 4 cm pieces of strongly oxidized volcanic red-orange some with siderite banding.

Sample Number:	W591543	UTM:	525907	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121803	mN	

Comments: Puma Line 3 - Pit 1 - rotten red-orange fragments from the spill pile but likely associated with thicker portions of the oxide rinds of the volcanic.

Sample Number:	W591544	UTM:	525893	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121892	mN	

Comments: Puma Line 2 - Pit 4 - collection of small rotten orange oxide fragments from the spill pile.

Sample Number:	W591545	UTM:	525929	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121920	mN	

Comments: Puma Line 1 - Pit 3 - collection of small red-orange fragments from the spill pile likely associated with the ORV

Sample Number:	W591546	UTM:	525953	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121891	mN	

Comments: Puma Line 1 - Pit 1 - collection of small oxide frags from spill pile - volc assoc??

Sample Number:	W591547	UTM:	526806	mE	Nad83, Zone 8
Elevation:	m	UTM:	7121438	mN	

Comments: several 8 cm thick pieces of red-orange-purple oxide.

Sample Number:	W591548	UTM:	526881	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120917	mN	

Comments: 18 cm pieces of manganiferous siderite with dark red-purple oxide and cream quartz fragments. Traced uphill roughly 40 m to base of volcanic unit - looks very similar to some of the Condor material.

Sample Number:	W591549	UTM:	526887	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120868	mN	

Comments: 12 cm pieces of similar oxide as sampled at W591548.

Sample Number:	W591550	UTM:	526887	mE	Nad83, Zone 8
Elevation:	m	UTM:	7120868	mN	

Comments: 10 cm piece of very dense yellow-brown siderite-jarosite-goethite. Well-banded and very brittle/competent.

Sample Number:	W591551	UTM:	532773	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 1 - 80 cm channel along the front of the pit profile.

Sample Number:	W591552	UTM:	532773	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 1 - 45 cm channels from both side profiles.

Sample Number:	W591553	UTM:	532776	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 2 - 75 cm channel across front of pit profile.

Sample Number:	W591554	UTM:	532776	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 2 - 40 cm channels across side pit profiles.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591555	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117350	mN	

Comments: Bobcat Pit 3 - cream colored marble at the base of the pit. Long weakly oxidized tremolite laths throughout and blebby red oxidizing sulphide blebs <1%.

Sample Number:	W591556	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117350	mN	

Comments: Bobcat Pit 3 - 85 cm channel from the front of the pit profile.

Sample Number:	W591557	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117350	mN	

Comments: Bobcat Pit 3 - 50 cm channels from the sides of the pit profiles.

Sample Number:	W591558	UTM:	532782	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 4 -cream-tan marble with red oxide fractures possibly after chalcopyrite. Abundant tremolite development in marble.

Sample Number:	W591559	UTM:	532782	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 4 -75 cm channel across front of the pit profile.

Sample Number:	W591560	UTM:	532782	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 4 -55 cm channels from the sides of the pit profiles.

Sample Number:	W591561	UTM:	532781	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117350	mN	

Comments: Bobcat Pit 5 -100 cm diagonal channel perpendicular across soliflucted orientation.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591562	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117362	mN	

Comments: Bobcat Pit 6 - several 4 to 6 cm strongly folded rusty tremolite veins in rock pile at head of pit. Well mineralized with malachite and chalcopyrite in the core of the syntaxial growths and interspersed throughout the gaps in the tremolite fans.

Sample Number:	W591563	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117362	mN	

Comments: Bobcat Pit 6 -45 cm channel across lower front pit profile.

Sample Number:	W591564	UTM:	532779	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117362	mN	

Comments: Bobcat Pit 6 -35 cm channel across sides of the pit profiles.

Sample Number:	W591565	UTM:	532774	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117361	mN	

Comments: Bobcat Pit 7 - 82 cm channel down front of pit profile.

Sample Number:	W591566	UTM:	532774	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117361	mN	

Comments: Bobcat Pit 7 - 45 channels down sides of pit profiles.

Sample Number:	W591567	UTM:	532772	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117357	mN	

Comments: Bobcat Pit 8 - 60 cm channel down the front of the pit profile

Sample Number:	W591568	UTM:	532772	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117357	mN	

Comments: Bobcat Pit 8 - 40 cm channel down the sides of the pit profiles. Definitely saw malachite stained material in the sample at the base of one of the side channels.

Sample Number:	W591569	UTM:	532771	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117351	mN	

Comments: Bobcat Pit 9 - 50 cm channel across deepest part of the pit profile in the eastern corner of the pit.

Sample Number:	W591570	UTM:	532768	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 11 - 30 cm channel across lower altered marble section - dark red patches at base of pit.

Sample Number:	W591571	UTM:	532768	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117348	mN	

Comments: Bobcat Pit 11 - 35 cm upper crushed grey carbonate channel.

Sample Number:	W591572	UTM:	532771	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117360	mN	

Comments: Bobcat Pit 10 - 3 cm piece of tremolite veining, the core section of which is mineralized with what looks like bismuthanite along the tremolite crystals.

Sample Number:	W591573	UTM:	532771	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117360	mN	

Comments: Bobcat Pit 10 - 2 - 5 cm pieces of rusty tremolite veining with abundant malachite staining and red limonite after chalcopyrite.

Sample Number:	W591574	UTM:	532771	mE	Nad83, Zone 8
Elevation:	m	UTM:	7117360	mN	

Comments: Bobcat Pit 10 - 75 cm channel down front of pit profile.

Sample Number:	W591801	UTM:	531546	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124099	mN	

Comments: 6 cm piece of partially skarnified arkose unit.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591940	UTM:	532651	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123902	mN	
Comments:	Jesses sample from priority 1 sample area - hornfels crackle breccia with minor red oxide.				

Sample Number:	W591941	UTM:	532807	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123787	mN	
Comments:	Jesses sample from priority 1 sample area - hornfels crackle breccia with minor red oxide.				

Sample Number:	W591942	UTM:	533010	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123918	mN	
Comments:	Jesses sample from priority 1 sample area - hornfels crackle breccia with minor red oxide.				

Sample Number:	W591943	UTM:	532678	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123901	mN	
Comments:	1 cm quartz-limonite vein cutting hornfels				

Sample Number:	W591944	UTM:	531205	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124129	mN	
Comments:	6 cm piece of hornfels crackle breccia healed with minor red oxide.				

Sample Number:	W591945	UTM:	531660	mE	Nad83, Zone 8
Elevation:	m	UTM:	7123985	mN	
Comments:	8 cm quartz-siderite-limonite breccia with strong manganese flooding throughout.				

Sample Number:	W591946	UTM:	531537	mE	Nad83, Zone 8
Elevation:	m	UTM:	7124099	mN	
Comments:	3 cm piece of calcsilicate skarn partially oxidized with weak limonite banding likely after pyrite.				

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W591947		UTM:	531839 mE	Nad83, Zone 8
Elevation:		m	UTM:	7124119 mN	
Comments:	2 cm rusty limonitic quartz vein cutting black hornfels.				

Sample Number:	W591948		UTM:	531546 mE	Nad83, Zone 8
Elevation:		m	UTM:	7124099 mN	
Comments:	10 cm limonite boulder, strongly pitted orange-brown oxide with minor siderite pockets and patches of dull yellow-green which may be associated with scorodite alteration.				

Sample Number:	W591949		UTM:	531546 mE	Nad83, Zone 8
Elevation:		m	UTM:	7124099 mN	
Comments:	2 cm piece of brown pitted limonite.				

Sample Number:	W591950		UTM:	531546 mE	Nad83, Zone 8
Elevation:		m	UTM:	7124099 mN	
Comments:	3 cm quartz limonite vein cutting grey sandy hornfelsed arkose unit.				

Sample Number:	W593091		UTM:	532922 mE	Nad83, Zone 8
Elevation:	1193	m	UTM:	7117467 mN	
Comments:	Float sample of punky, chocolate brown to light brown, non-calcareous oxide, with relict radiating tremolite and vugs filled with limonite. Removed from a 40 cm deep pit.				

Sample Number:	W593092		UTM:	532901 mE	Nad83, Zone 8
Elevation:	1194	m	UTM:	7117467 mN	
Comments:	Float sample of punky, limonitic, tremolite skarn, with abundant radiating tremolite crystals with interstitial earthy oxide. Removed from a 50 cm deep pit. No rep.				

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W593093	UTM:	532784	mE	Nad83, Zone 8
Elevation:	1183 m	UTM:	7117413	mN	

Comments: Composite sample of tan to orange, tremolite skarn, with patches of granular, smokey grey carbonate. Removed from a 50 cm deep pit. No rep.

Sample Number:	W593094	UTM:	532794	mE	Nad83, Zone 8
Elevation:	1180 m	UTM:	7117389	mN	

Comments: Float sample of a fist-sized piece of massive white quartz-carbonate, hosting moderate coarse grained disseminated pyrite, trace fine grained chalcopyrite, and rare coarse grained, dark grey metallic mineralizaion (cassiterite?). No rep and no rep on site. Removed from a 60 cm deep pit.

Sample Number:	W593095	UTM:	532796	mE	Nad83, Zone 8
Elevation:	1180 m	UTM:	7117389	mN	

Comments: Float sample, removed from a 15cm^3 boulder, of brown weathering, white-grey, brecciated tremolite-carbonate skarn, with mm-scale, sub-angular, dark grey clasts and radiating tremolite crystals, hosting sparse clots of fine grained pyrite. Removed from the same pit as W593094.

Sample Number:	W593096	UTM:	532910	mE	Nad83, Zone 8
Elevation:	1177 m	UTM:	7117514	mN	

Comments: A fist-sized float sample of punky and earthy, orange to chocolate brown, non-calcareous, oxidized tremolite-bearing skarn, removed from an 80 cm deep pit. No rep and no rep on site.

Sample Number:	W593097	UTM:	532911	mE	Nad83, Zone 8
Elevation:	1181 m	UTM:	7117515	mN	

Comments: Composite sample of orange weathering, crumbly, pale grey siliciclastic(?), w/ sparse clots of radiating tremolite and tremolite on outside surfaces. Removed from the same pit as W593096.

Rock Sample Descriptions Properties: Bobcat, Condor, Panther, Puma, Rau, Spotlight

Sample Number:	W593098	UTM:	532953	mE	Nad83, Zone 8
Elevation:	1131 m	UTM:	7118501	mN	

Comments: Outcrop sample of brown weathering, pale to medium grey, calcareous breccia, with moderate disseminated limonite throughout and sparse masses of radiating tremolite.

Sample Number:	W593099	UTM:	532962	mE	Nad83, Zone 8
Elevation:	1129 m	UTM:	7118494	mN	

Comments: Outcrop sample of orange-brown weathering, pale green, actinolite-tremolite-quartz skarn, hosting rare clots of coarse grained pyrite and trace grains of dark brown garnet.

Sample Number:	W593100	UTM:	532962	mE	Nad83, Zone 8
Elevation:	1136 m	UTM:	7118503	mN	

Comments: Composite sample of punky and earthy, oxidized tremolite-bearing skarn, with vugs filled with chocolate brown oxide. Removed from a shallow pit.