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ASSESSMENT REPORT

describing

PROSPECTING, HAND TRENCHING AND SOIL GEOCHEMISTRY

at the

KLUANE PROPERTY

Delor 1-10	YB37735-YB37744
11-24	YB38302-YB38315
25-48	YB47116-YB47139
49-129	YB54418-YB54498
Malou 1-6	YB35901-YB35906
7-14	YB37727-YB37734
15-20	YB38136-YB38141
21-26	YB38218-YB38223
27-40	YB38316-YB38329
41-52	YB47140-YB47151
Shut 5	YB38330

Latitude 61°12'N, Longitude 137°45'W
NTS 115H/4

in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

ROCKHAVEN RESOURCES LTD.

by

M. Turner, B.Sc.

March 2010

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INTRODUCTION

The Kluane property covers an orogenic gold target located about 45 km north of Haines Junction in the Ruby Range, Yukon Territory. It is owned 100% by Rockhaven Resources Ltd., subject to a 1% net smelter return royalty payable to the estate of J. Peter Ross. One half of the royalty can be purchased for \$500,000.

This report describes work conducted between September 4 and 9, 2009 by Archer, Cathro & Associates (1981) Limited on behalf of Rockhaven. The work consisted of prospecting, soil sampling and hand trenching. It was completed by a crew of three people from a camp on the property. The author participated in and supervised the program. Appendix I contains the author's Statement of Qualifications.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Kluane property is located in southwestern Yukon Territory at latitude 61°12'N and longitude 137°45'W on NTS map sheet 115H/4 (Figure 1). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Rockhaven. Claim registration data are listed in below while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Delor 1-10	YB37735-YB37744	March 10, 2016
11-24	YB38302-YB38315	March 10, 2016
25-48	YB47116-YB47139	March 10, 2013
49-129	YB54418-YB54498	March 10, 2013
Malou 1-6	YB35901-YB35906	March 10, 2016
7-14	YB37727-YB37734	March 10, 2016
15-20	YB38136-YB38141	March 10, 2016
21-26	YB38218-YB38223	March 10, 2016
27-40	YB38316-YB38329	March 10, 2016
41-52	YB47140-YB47151	March 10, 2013
Shut 5	YB38330	March 10, 2015

* Expiry dates include 2009 work that has been filed for assessment credit but not yet accepted.

The Kluane property lies approximately 148 km west-northwest of Whitehorse and 45 km northwest of Haines Junction. The closest road access is a local placer mining road that extends from the Alaska Highway to within six kilometres of the southwest corner of the property. In 2009, access was provided by a Bell 206B helicopter operated by Trans North Helicopters from its permanent base in Haines Junction. The Aishihik Hydroelectric Dam is located 29 km east of the Kluane property.

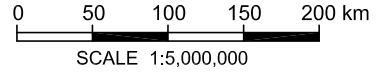
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FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

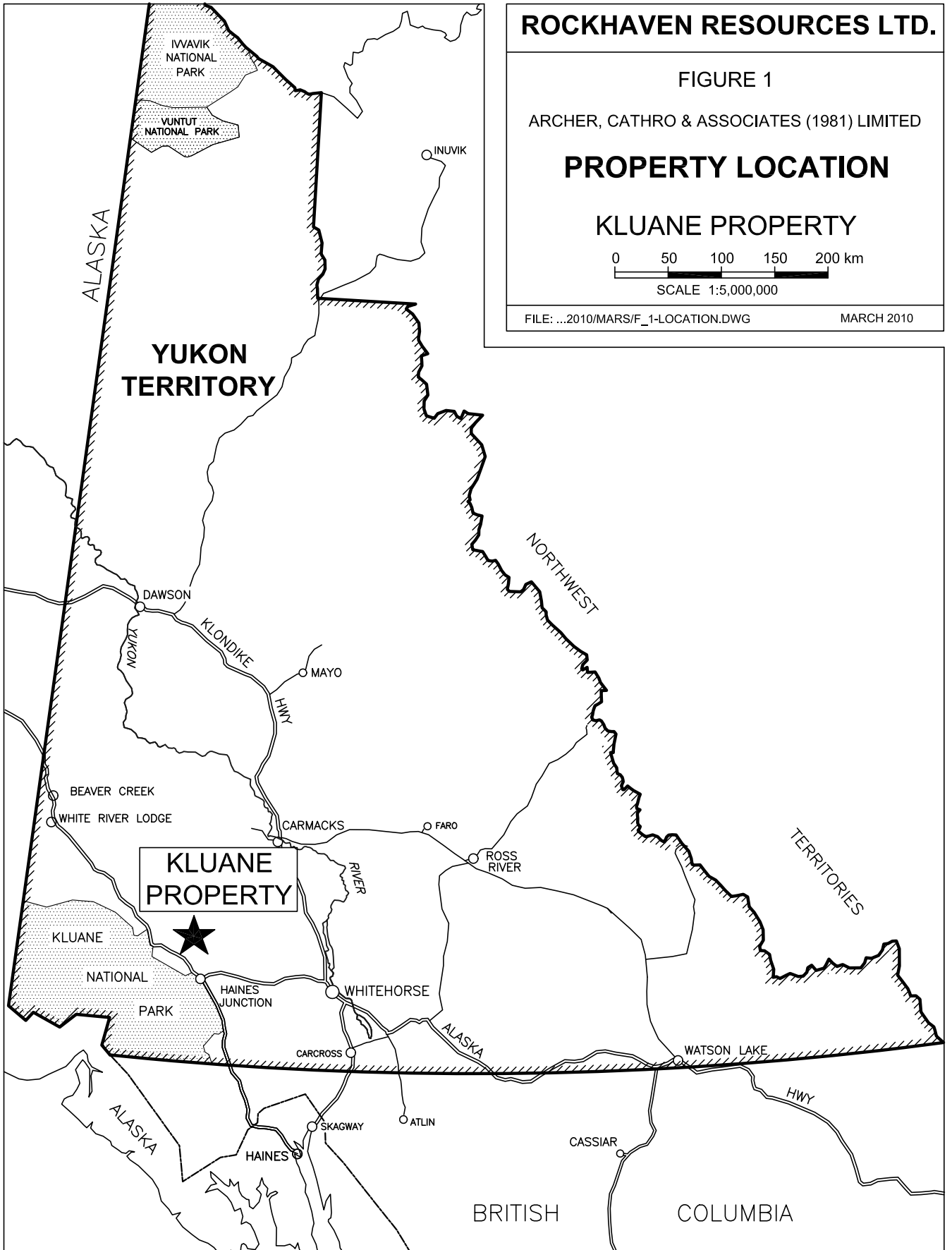
PROPERTY LOCATION

KLUANE PROPERTY

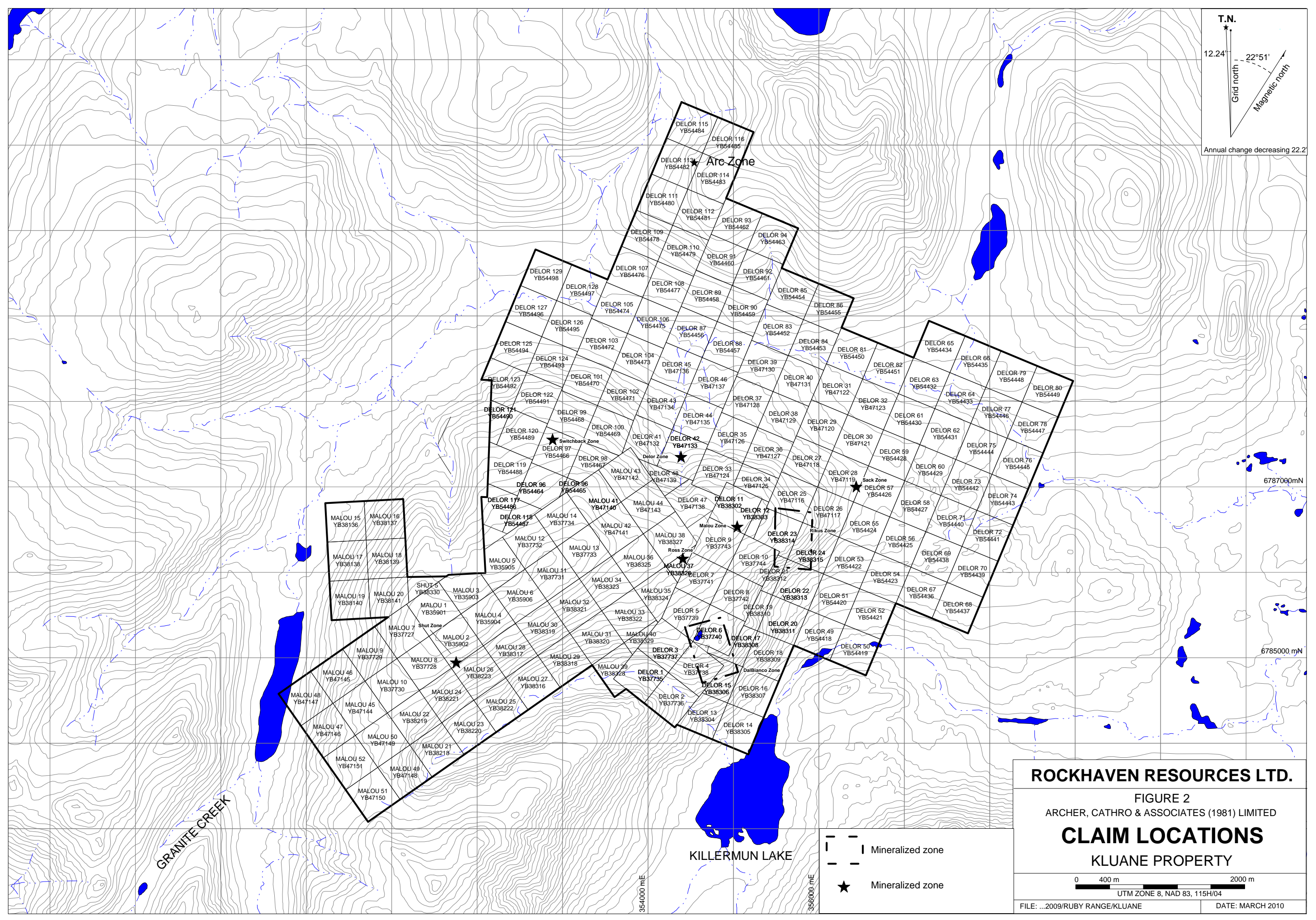


FILE: ...2010/MARS/F_1-LOCATION.DWG

MARCH 2010



T.N.
 12.24' 22°51'
 Grid north
 Magnetic north
 Annual change decreasing 22.2



MALOU 15
YB38136

MALOU 16
YB38137

MALOU 17
YB38138

MALOU 18
YB38139

MALOU 19
YB38140

MALOU 20
YB38141

DELO 120
YB54489

DELO 97
YB54466

DELO 98
YB54467

DELO 99
YB54468

DELO 100
YB54469

DELO 42
YB47133

DELO 41
YB47132

DELO 43
YB47134

DELO 44
YB47135

DELO 45
YB47136

DELO 10
YB37744

DELO 11
YB38302

DELO 12
YB38303

DELO 13
YB38304

DELO 14
YB38305

DELO 57
YB54426

DELO 58
YB54427

DELO 59
YB54428

DELO 60
YB54429

DELO 61
YB54430

DELO 31
YB47122

DELO 32
YB47123

DELO 33
YB47124

DELO 34
YB47125

DELO 35
YB47126

DELO 62
YB54431

DELO 63
YB54432

DELO 64
YB54433

DELO 65
YB54434

DELO 66
YB54435

6787000mN

6785000 mN

GRANITE CREEK

KILLERMUN LAKE

364000 mE

366000 mE

--- Mineralized zone
 ★ Mineralized zone

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FIGURE 2
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS
 KLUANE PROPERTY

0 400 m 2000 m
 UTM ZONE 8, NAD 83, 115H/04

FILE: ...2009/RUBY RANGE/KLUANE DATE: MARCH 2010

HISTORY

Placer gold occurrences are documented on Ruby, Granite, Dixie, Fourth of July and Twelfth of July creeks to the south and west of the Kluane property. These creeks have been explored intermittently since the early 1900s. Gladstone Creek, which lies 30 km northwest of the property, is the most productive creek in the area reportedly producing 25,690 ounces of gold from 1978 to 2003. Fourth of July Creek reportedly produced 14,288 ounces of gold from 1978 to 2003 (LeBarge, 2007, Placer Mining Section 2004 and Mining Inspection Division, 1998). Complete production figures are not available for these creeks or other creeks in the area.

Hard rock exploration began after a Geological Survey of Canada (GSC) stream sediment survey of the Aishihik map sheet reported anomalous gold and arsenic values from several drainages in the Ruby Range (Hornbrook and Friske, 1985). Immediately following the release of the geochemical data Silverquest Resources Ltd. (which later changed its name to Cash Resources Ltd. and subsequently to Cash Minerals Ltd.) staked the Shut, Kil, Kin and Live claim blocks to cover four anomalous drainages while United Keno Hill Mines Limited staked four blocks of Ruby claims nearby. The Spruce, Cliff and Wall claim blocks were staked by independent prospector J. Peter Ross.

In 1986, Cash performed reconnaissance contour geochemical sampling and prospecting. A number of gold and arsenic anomalies in the vicinity of the Shut claims were identified but these results did not substantiate the GSC anomalies on the Kil, Kin and Live properties.

In 1987, Cash added 16 claims to the Shut claim block to cover the new soil geochemical anomalies. Work in 1987 comprised additional reconnaissance contour geochemical sampling and prospecting on and peripheral to the property. The best result from this work was a specimen of arsenopyrite bearing quartz-carbonate float that assayed 125 g/t gold (Main, 1988). That same year United Keno Hill performed soil sampling and prospecting, which outlined significant gold and arsenic anomalies on its Ruby 7-12 claims immediately south of the Shut claim block. Ross also staked a large block of Arc claims three kilometres to the northeast.

Also in 1987, DalBianco Exploration Syndicate made the first lode gold discovery on what would become the Kluane property. The discovery was made on the Lib claims and the showing is referred to as the DalBianco Zone (Figure 2). Four hand trenches were dug and exposed an arsenopyrite rich quartz-carbonate vein system for a strike length of 50 m. Selected specimens returned up to 89 g/t gold (Main, 1988). The Lib claims covered what is now the southeastern corner of the Kluane property.

The DalBianco Exploration Syndicate optioned its Lib and Beth claims to Cash in March 1988. Cash, in turn, optioned the Lib and Beth claims along with its Shut claims to Pezgold Resource Corp. in June of the same year. Exploration that summer consisted of grid soil geochemical surveys and prospecting on the Lib and Shut claims. That work outlined coincident north-trending gold and arsenic anomalies on both properties and located additional arsenopyrite rich veins at the DalBianco Zone. In mid-summer Pezgold staked the Angus and Topgun claims to provide additional coverage around the anomalies on the Shut and Lib claim blocks.

In 1988, Ross added more Cliff claims on the east side of Killermun Lake and staked the Stroker claims adjoining his Arc claim block. Prospecting on the Arc claims discovered quartz-carbonate vein float that assayed 86 g/t gold (Main, 1988). In summer 1989, the Arc and Stroker claims were briefly optioned to Noranda Exploration Co. Ltd., which performed geological mapping, soil sampling and geophysical surveys. Although that exploration outlined widespread arsenic anomalies with sporadic gold values associated with recessive topographic linears, no significant mineral occurrences were identified and the option was dropped.

Between 1991 and 1993 Ross restaked the Ruby 7-12 and Beth claims as the Malou claims, and the Lib claims as the Delor claims. In late summer 1993, Cash optioned the Malou and Delor claims amalgamating them with its 100% owned Shut and Angus claim blocks to create the Ruby Range property. Exploration during summer 1994 included hand and excavator trenching, grid soil sampling, geophysical surveys, mapping and prospecting.

In fall 1994, the Arc and Stroker claims were added to the Ruby Range property to create the Ruby Range project. In spring 1995, NDU Resources Ltd. optioned the Ruby Range project from Cash. Work in summer 1995 was funded by NDU and consisted of claim staking, geological mapping, 934 m excavator trenching, 31.6 line km of grid Max-Min surveys and 1874 m of diamond drilling in 14 holes (Becker, 1996). Both companies later relinquished their options, leaving Ross with the Delor, Malou, Shut 5, Arc and Stroker claims and Cash with the Angus and remainder of the Shut claims.

In spring 2002, Cash re-optioned the Delor, Malou and Shut 5 claims from Ross and again combined them with its Shut and Angus claims. Exploration that summer consisted of additional prospecting and hand trenching (Eaton, 2003).

In fall 2004, Cash performed a 45.6 line km, Max-Min geophysical survey across the central and northern part of the property. This survey identified nine multi-line anomalies and three isolated anomalies that were interpreted to be caused by weakly conductive, steeply dipping tabular conductors. Most of the conductors were found to coincide with linear depressions associated with known veins or strong soil geochemical anomalies. The most extensive systems of conductors were identified in an area with little soil sample coverage in the northern part of the property (Eaton, 2004). Cash subsequently terminated the option.

In June 2009, Rockhaven purchased the Kluane property, which comprises Delor 1-129, Malou 1-52 and Shut 5 claims, from the estate of J. Peter Ross.

GEOMORPHOLOGY

The property is situated in the Ruby Range Mountains about 25 km northeast of the Shakwak Valley. The area lies in the rain shadow of the St. Elias Mountains, which are located to the southwest. Average annual precipitation is less than 50 cm. Creeks draining the property are tributaries of the Aishihik River, which flows into the Alsek River and eventually the Pacific Ocean.

Topography in much of the area is strongly influenced by Pleistocene to Recent valley and alpine glaciation (St. Elias ice sheet). The result is gently undulating uplands cut by broad, north trending U-shaped valleys flanked by hanging valleys ending in cirques. Valley bottoms in the vicinity of Killermun Lake, southeast of the claim block, are slightly below tree line at an elevation of about 1050 m. Lower slopes typically are covered by scattered buckbrush and moss while alpine grasses and open talus slopes predominate at higher elevations.

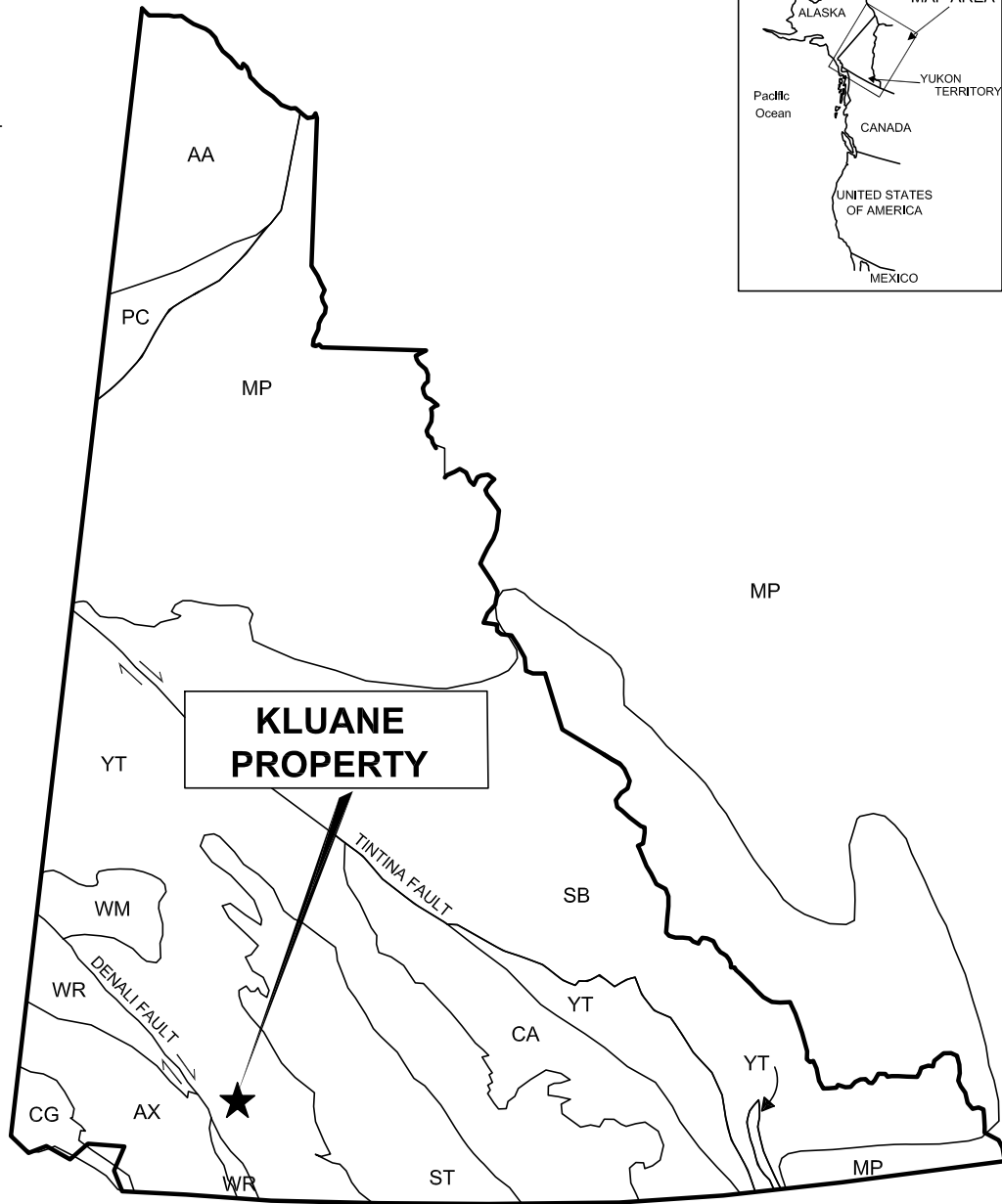
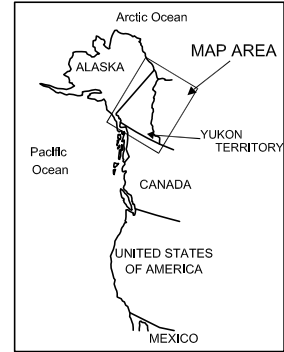
Bedrock exposures are rare on the valley floors due to a blanket of glaciofluvial outwash and till. Lower slopes are generally covered by lateral moraines up to 1500 m and bedrock is only seen where creeks have made deep incisions through this material. Relief between 1500 and 1800 m is moderate to steep and outcrops are common where slopes exceed 30°. Ridge crests and upland plateaus above 1800 m appear to have escaped glaciation and are capped with slabby felsenmeer boulder fields. Although outcrop is locally abundant, it comprises less than 5% of the property. Soil development is poor in all geomorphological zones.

REGIONAL GEOLOGY

The Kluane property lies within the Taku sub-terrane of the Yukon-Tanana Terrane (Figure 3). This sequence contains metamorphic rocks, which were formerly called the Kluane Assemblage and are now referred to by the Yukon Geological Survey as an Unnamed Metamorphic Assemblage. These metamorphic rocks are bound to the southwest by the Denali Fault and to the northeast by a batholith belonging to the Ruby Range Plutonic Suite. Northeast of the batholith are metamorphic rocks of the Aishihik Assemblage, which belong to the Yukon-Tanana Terrane. Southwest of the Denali Fault are Paleozoic sedimentary and volcanic rocks of the Alexander and Wrangellia Terranes.

The regional geology was mapped at 1:250,000 scale by the GSC in the early 1970s (Tempelman-Kluit, 1974). Figure 4 illustrates geology of the region. More recent studies in the area have focused on the metamorphic and intrusive history of the Taku sub-terrane. Two main lithological packages have been outlined in the vicinity of the property: a metamorphic assemblage and the Ruby Range Plutonic Suite, both of which are described below.

Metamorphic Assemblage (former Kluane Assemblage) comprises two relatively homogeneous units (biotite schist and muscovite-chlorite schist) separated by thrust faults. Both are graphitic, exhibit coarse schistosity and contain abundant blue-grey, sieve textured porphyroblasts of graphite filled andesine (Erdmer, 1991). Protoliths for the units are believed to be Mesozoic flysch derived from a westerly source (Erdmer and Mortensen, 1993). Biotite schist is typically dark brown weathering with a purple hue. It contains garnet, staurolite and lesser tourmaline. Locally, lenses of marble (less than 100 m in length) occur within this schist. These lenses often exhibit silicification and occasionally garnet-diopside skarnification. Two regional scale, east-west trending, north dipping thrust faults have been identified within the assemblage. Fault traces can be intermittently marked by a series of elongate lenses of olivine-serpentine schist. Sillimanite-grade thermal overprinting observed in the schists is believed to be related to the emplacement of the Ruby Range Plutonic Suite.



ANCESTRAL NORTH AMERICA

- MP Mackenzie Platform
- SB Selwyn Basin

TERRANES
Displaced Continental Margin

- AA Arctic Alaska
- CA Cassiar
- PC Porcupine

Pericratonic Terranes

- YT Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

- ST Stikinia / Cache Creek
- AX Alexander
- WR Wrangellia
- CG Chugach
- WM Windy McKinley

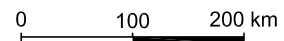
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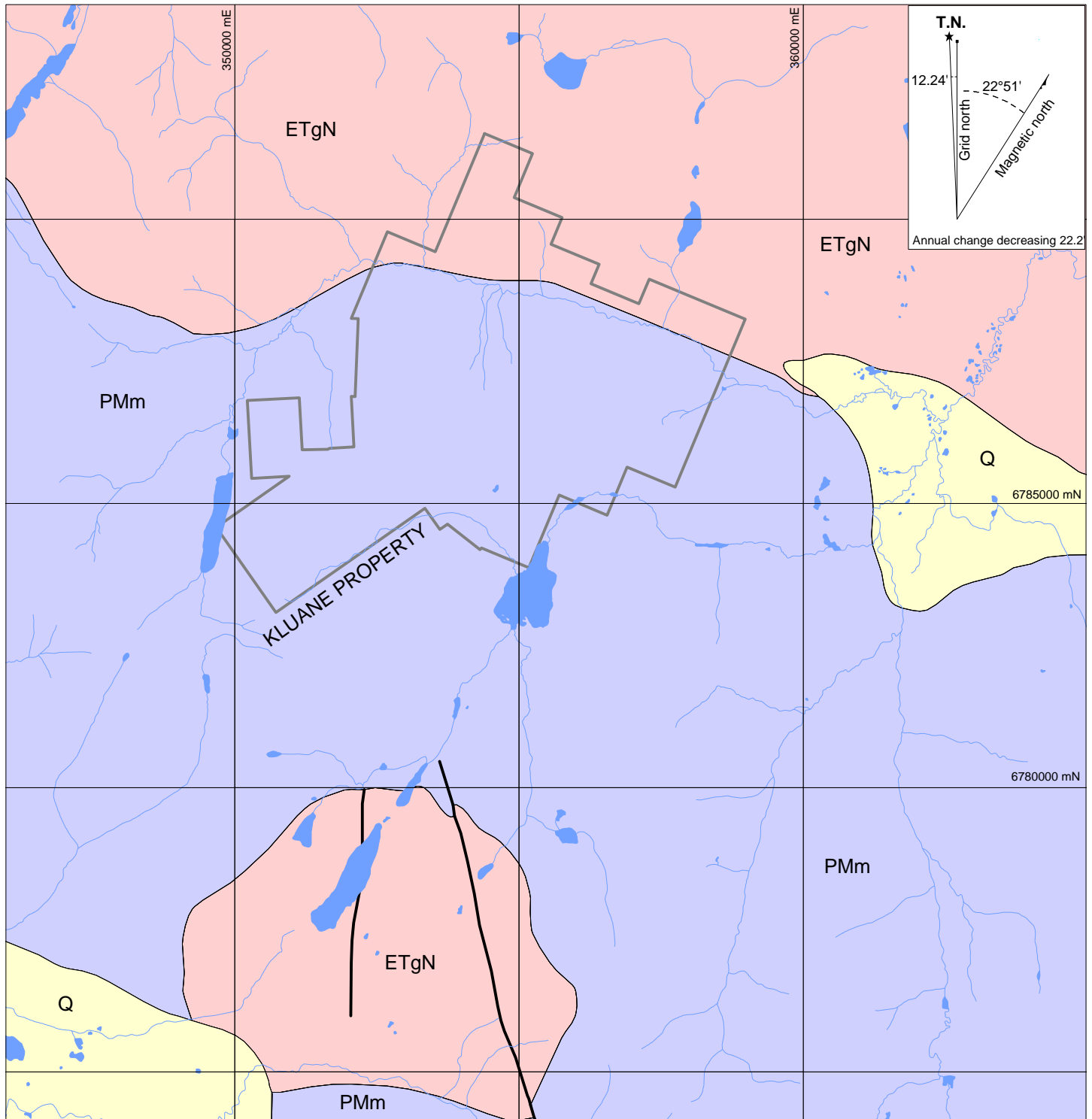
FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

KLUANE PROPERTY





QUATERNARY

Q **OVERBURDEN**
 Unconsolidated glacial, glaciofluvial and glaciolacustrine deposits; fluvial silt, sand, and gravel. Local volcanic ash with cover of soil and organic deposits.

EARLY TERTIARY

ETgN **NISLING RANGE- RUBY RANGE SUITE**
 Biotite-hornblende granodiorite with local potassium feldspar megacrysts; quartz monzonite; quartz diorite; minor granodiorite-gneiss; hornblende and biotite hornblende diorite; and biotite-quartz-feldspar porphyry.

PROTEROZOIC TO MESOZOIC

PMm **UNNAMED ASSEMBLAGE**
 Undivided metamorphic rocks. Dark purplish brown staurolite-cordierite-biotite hornfels with relict schistose texture; quartz-sericite-chlorite schist and minor quartzite.

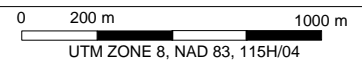
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FIGURE 4

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REGIONAL GEOLOGY

KLUANE PROPERTY



Ruby Range Plutonic Suite includes the Ruby Range Batholith along the northeast side of the metamorphic assemblage and smaller satellite intrusions within it. This plutonic suite primarily consists of grey to light brown, medium to coarse grained, non-foliated biotite-hornblende granodiorite. The batholith appears to have been emplaced as a northeast dipping sheet parallel to the orientation of the regional metamorphic fabric. It is believed to be analogous to the Great Tonalite Sill situated 400 km to the south in the Alaska Panhandle. Age constraints of crystallization are reportedly between 50 and 57 Ma, which suggest the batholith was a synmetamorphic pluton intruded during the latter stage of the terminal high grade metamorphic event in the region (Mortensen and Erdmer, 1992).

PROPERTY GEOLOGY

Systematic geological mapping on the property is limited by the relative lack of bedrock exposure. In most areas contacts are inferred from distribution of lithologies in talus and felsenmeer. Figure 5 shows the main outcrops and general property geology. Observations made during mapping are summarized below.

Lithology

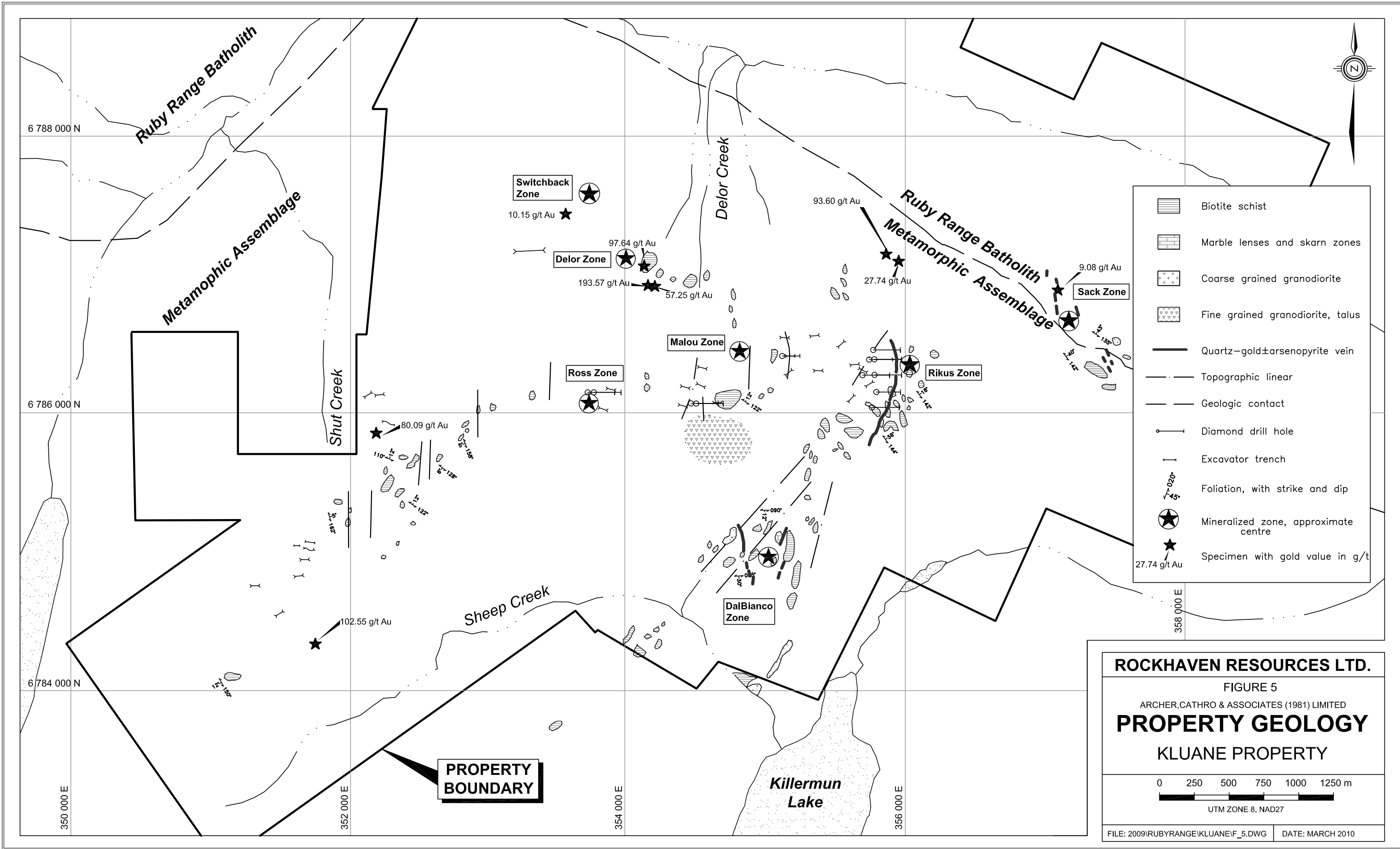
The rock type underlying most of the property is a relatively homogeneous, coarse grained, graphitic quartz-biotite schist of the former Kluane Assemblage. This unit is blocky weathering and often rusty brown on fracture surfaces. Common accessory minerals include garnet and staurolite with lesser tourmaline. Foliations normally strike 90 to 145° and dip from 15 to 35° NE occasionally rolling to 30° SW. The main exception occurs south of Shut Creek in the western part of the property, where strikes are about 160° and dips sub-horizontal.

Marble lenses and occasional skarn zones are found within the schist on the east facing slope above Killermun Lake. Exposures of marble are typically white to pale green on both weathered and fresh surfaces, display weak silicification and range up to 7 m thick and 100 m long. Skarns consist of medium to coarse grained garnet and diopside. They are often rusty weathering making them difficult to distinguish from schist until the rock is broken.

Coarse grained granodiorite of the Ruby Range Batholith underlies the northern part of the property. The intrusive contact is on the floor of a broad valley and is mostly obscured by glacial till and glaciofluvial outwash. Where observed, the contact is sharp and the border phase granodiorite exhibits well developed foliation that parallels the contact and metamorphic textures in the schists. The foliation in the granodiorite gradually diminishes away from the contact until the rocks are non-foliated approximately 1.5 km away.

A few undeformed granodiorite outcrops have also been observed northeast near Killermun Lake and are believed to be part of a small plug. About 1600 m north, near the centre of the claim block, lies a 400 m diameter area of foliated, fine grained granodiorite talus that is believed to have been derived from another small plug.

Two sets of narrow (up to 1 m wide) unfoliated dykes have been noted in several areas within the schist. They are best distinguished by grain size. The finer grained dykes are andesitic, tan to



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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

KLUANE PROPERTY

0 250 500 750 1000 1250 m

UTM ZONE 8, NAD27

FILE: 2009\RUBYRANGE\KLUANE\F_5.DWG DATE: MARCH 2010

medium grey and microcrystalline. They strike 160 to 190°, dip 60 to 70° W and occasionally follow north-trending shear zones. The other dyke set is fine to medium grained and dioritic in composition. These dykes are pale green-grey, strike 080 to 100° and dip steeply to the south or north.

The age relationship between the various intrusive phases is uncertain because no cross cutting contacts have been observed.

Structure

Airphoto analysis and ground mapping have recognized numerous small, north and northeast trending recessive topographic linears that cut across the claims. Where exposed in outcrop or trenches, these linears contain one or more gouge zones surrounded by a few metres of weakly altered wallrock exhibiting moderate to strong fracturing paralleling the trend of the linear. Quartz veins or andesitic dykes have been emplaced along several of the linears.

Three sets of veins have been identified on the property. Two sets are nearly conformable with foliation in the schists and appear to have been deposited from relatively high temperature metamorphic fluids. The third set, which is often gold bearing, is discordant and is believed to be derived from younger mesothermal solutions. These age relationships and temperature assumptions are based primarily on crosscutting relationships and mineralogical observations.

Quartz-carbonate veins are the most common type of vein on the property. They usually strike 110 to 125°, dip 40 to 80° northeast and range up to 1.5 m in width. The other conformable vein set exhibits a more complex assemblage including quartz, andalusite, amphibolite, garnet and/or tourmaline. They range up to 0.7 m in width and sometimes cut foliation at a shallow angle. Quartz typically forms glassy granular masses. Vein selvages often contain andalusite, muscovite and chlorite.

The third, discordant vein set hosts the gold mineralization. It consists of: quartz that is typically milky white, granular to massive and weakly to strongly fractured parallel to the vein walls; lesser carbonate that is tan to cream coloured where fresh and is often leached from surface samples leaving a white powdery residue in cavities; and minor muscovite. These veins cut foliation at a high angle, striking northerly and dipping moderately to steeply westward. In a few locations these veins cut the andesitic dyke set.

A few unmineralized faults appear to cut and slightly offset all three of the vein sets. The best exposed of these late faults crosses one of the gold bearing zones (the Rikus Zone) in the eastern part of the property. That fault strikes northwesterly, dips steeply and has produced about 25 m of dextral offset.

MINERALIZATION

Prospecting and geochemical sampling have identified seven named showings over a 5500 by 3500 m area on the Klwane property. Mineralization is hosted almost exclusively in discordant quartz-carbonate veins with scorodite staining. Arsenopyrite is the only sulphide present in most

veins, but traces of galena, chalcopyrite and pyrite have also been noted. Sulphides are generally one to four millimeters in diameter and occur as disseminations or in semi-massive to massive bands. Occasionally native gold grains have been found in oxidized and unoxidized veins. Individual veins range up to 0.85 m in width, and they can occur in swarms that are up to 9.5 m across, where sub-parallel veins are separated by narrow gouge zones. The gold bearing veins rarely outcrop and are usually marked by north-trending recessive topographic linears.

In 2009, a total of 56 rock samples were taken on the Kluane property. Sample locations are illustrated on Figure 6, while sample descriptions are in Appendix II. Sample handling and analytical procedures are described in Appendix III. Multi-element analyses for rock samples were carried out at ALS Chemex in North Vancouver, B.C. Each sample was dried, fine crushed to better than 70% passing -2mm and then a 250 g split was pulverized to better than 85% passing 75 micron. The fine fraction was then analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis and gravimetric finish, and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (Au-ICP21, Au-GRA21 and ME-ICP41). Certificates of analysis are copied in Appendix IV.

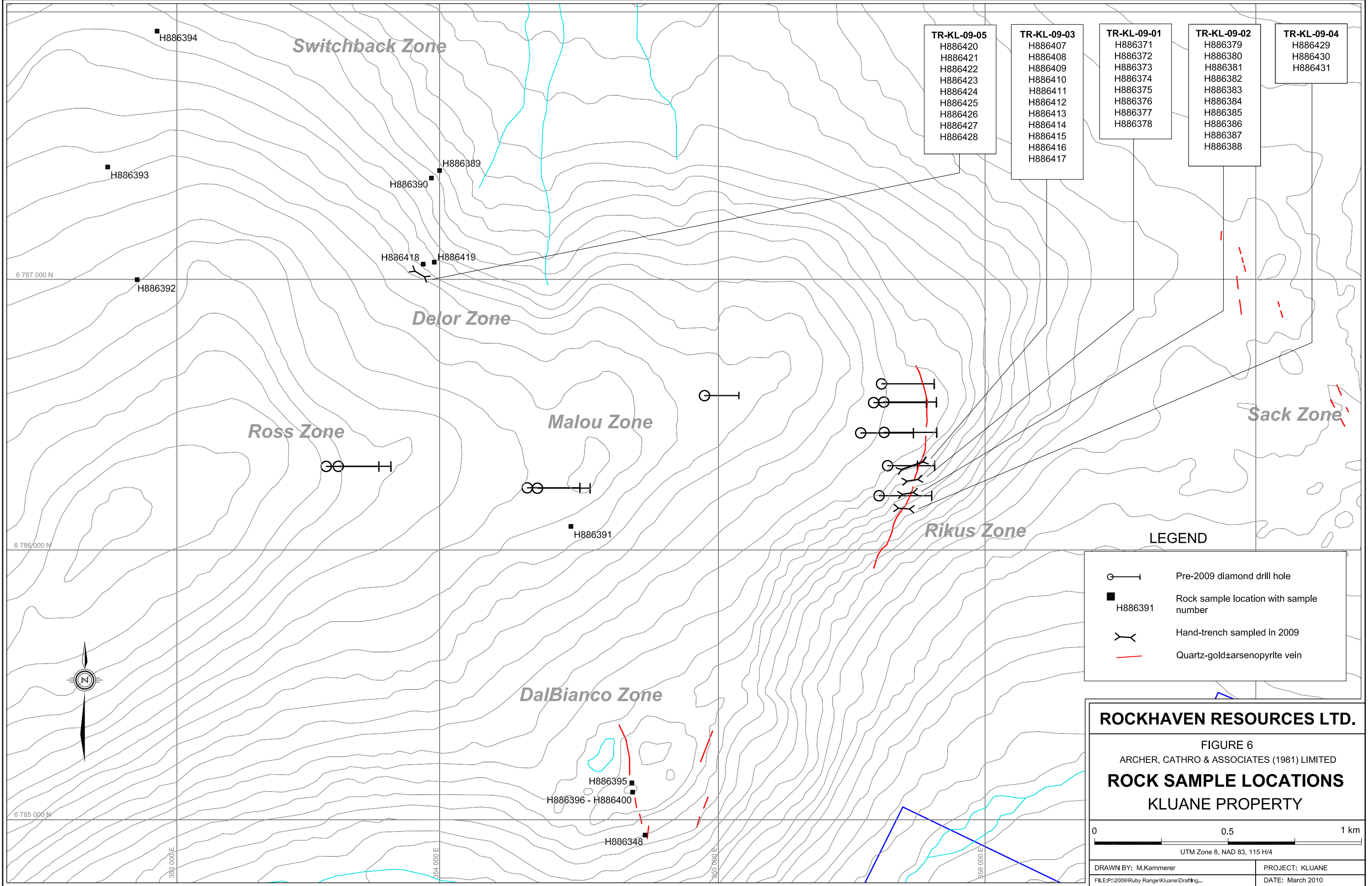
Descriptions of each of the seven zones (Rikus, DalBianco, Ross, Malou, Sack, Delor and Switchback) are provided in the following paragraphs.

The **Rikus Zone** lies on a moderately steep, south-facing slope in the eastern part of the claim block. It is one of three zones that have been drilled. The zone consists of two sub-parallel veins located about 50 m apart, plus smaller veins and veinlets in the adjacent wallrocks. The two main veins comprise massive milky white quartz bands with vein parallel microfractures. Quartz bands range in width from 0.08 to 0.75 m and contain trace to 20% fine grained arsenopyrite with minor pyrite and occasional native gold grains. Although the quartz bands are often narrow, they are generally high grade. At surface, veins are highly fractured and clay altered with scorodite and limonite after sulphides. Weakly clay altered halos up to two metres wide envelope well mineralized quartz veins. Mineralization has been traced over a 700 m length and the zone is open to extension in both directions along strike.

In 1995, eight diamond drill holes were completed on five section lines spaced 100 m apart in the north-central part of this zone. All eight of the holes drilled intersected one or more mineralized intervals. Table I shows drilling highlights from 1995.

Table I: Significant drill intersections from the Rikus Zone

Hole Number	Coordinates		Length (m)	Azimuth (°)	Dip (°)	From (m)	To (m)	Width (m)	Uncut Grade Gold (g/t)
	N	E							
95-1 including	10+000	10+000	162.76	090	-50	36.45	37.45	1.00	4.20
						45.94	49.99	4.05	2.92
						46.94	47.07	0.13	80.00
						54.56	56.08	1.52	1.19
						79.44	80.44	1.00	1.89



TR-KL-09-05
 H886420
 H886421
 H886422
 H886423
 H886424
 H886425
 H886426
 H886427
 H886428

TR-KL-09-03
 H886407
 H886408
 H886409
 H886410
 H886411
 H886412
 H886413
 H886414
 H886415
 H886416
 H886417

TR-KL-09-01
 H886371
 H886372
 H886373
 H886374
 H886375
 H886376
 H886377
 H886378

TR-KL-09-02
 H886379
 H886380
 H886381
 H886382
 H886383
 H886384
 H886385
 H886386
 H886387
 H886388

TR-KL-09-04
 H886429
 H886430
 H886431

LEGEND

- Pre-2009 diamond drill hole
- Rock sample location with sample number
H886391
- Hand-trench sampled in 2009
- Quartz-gold-arsenopyrite vein

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FIGURE 6
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ROCK SAMPLE LOCATIONS
 KLUANE PROPERTY

0 0.5 1 km
 UTM Zone 8, NAD 83, 115 H/4

DRAWN BY: M.Kammerer PROJECT: KLUANE
 FILE:P:\2009\Ruby Range\Kluane\Drafting... DATE: March 2010

Hole Number	Coordinates		Length (m)	Azimuth (°)	Dip (°)	From (m)	To (m)	Width (m)	Uncut Grade Gold (g/t)
	N	E							
						84.17	93.43	9.26	1.03
including						92.15	93.43	1.28	4.79
95-2	9+900	10+023	141.43	090	-50	32.07	34.75	2.68	1.32
						39.32	40.23	0.91	4.49
						64.55	68.88	4.33	2.11
						81.99	82.99	1.00	1.50
95-3	9+900	10+022	170.08	090	-75	32.92	35.96	3.04	1.05
						46.63	48.62	1.99	2.49
						68.27	75.07	6.80	2.83
including						71.32	74.07	2.75	5.32
& including						73.97	74.07	0.10	54.00
95-4	10+105	9+984	148.44	090	-50	31.78	35.58	3.80	2.29
						61.87	65.19	3.32	2.72
including						65.11	65.19	0.08	48.60
95-5	10+192	9+982	134.72	090	-50	48.46	50.44	1.98	1.69
95-12	9+785	9+976	145.39	090	-50	32.38	33.57	1.19	4.56
including						32.38	32.57	0.19	29.19
						68.05	69.15	1.10	1.49
including						69.05	69.15	0.10	10.60
						71.69	72.89	1.20	1.87
including						71.69	71.89	0.20	9.26
95-13	10+001	9+900	224.64	090	-50	99.27	100.44	1.17	2.01
						150.47	154.54	4.07	1.95
including						150.47	151.47	1.00	4.69
95-14	10+105	9+939	156.36	090	-60	72.11	74.25	2.14	1.63
						142.64	144.12	1.48	3.06

In drill core, the veins are up to 0.20 m thick and contain up to 20% arsenopyrite. Altered wallrocks are bleached, chloritized and typically exhibit finely disseminated arsenopyrite and calcite. Intensity of alteration is directly proportional to the degree of fracturing and abundance of quartz veinlets.

The highest grade intercept was 80.00 g/t gold over 0.13 m in Hole 95-1. Five other intervals graded between 9.26 and 54.00 g/t gold across widths of 0.08 to 0.20 m. The thickest intervals were 2.83 g/t gold over 6.80 m in Hole 95-3 and 1.03 g/t gold over 9.26 m in Hole 95-1. Fourteen core samples of altered wallrock taken on either side of the quartz veins returned a weighted average of 0.93 g/t gold over 1.35 m.

In 2002, mapping and sampling determined that the best mineralized vein intervals occur adjacent to an unmineralized cross fault. On the south side of the cross fault, the vein widens to 75 cm of massive quartz. A chip sample across this vein exposure assayed 22.40 g/t gold. On the north side of the fault the vein bifurcates into a swarm of sub-parallel, 0.5 to 2 cm veinlets. A chip sample across the vein swarm returned 7.37 g/t gold over 9.5 m.

In 2009, confirmation chip sampling was done in four previously dug hand trenches. The trenches were cleaned, mapped and sampled. This work focused on mineralization on the north side of the cross fault described in the previous paragraph. Table II lists significant intervals from 2009 sampling at the Rikus Zone.

Table II: 2009 Trench highlights from the Rikus Zone

Trench	From (mW)	To (mW)	Length (m)	Au (g/t)
TR-KL-09-01	1.70	2.88	1.18	9.49
including	1.70	1.89	0.19	25.60
TR-KL-09-02	1.00	5.72	4.72	3.18
including	1.76	1.84	0.08	31.50
& including	4.90	5.11	0.21	38.40
TR-KL-09-03	1.50	3.60	2.10	6.67
including	3.18	3.38	0.20	36.50
TR-KL-09-04	0.00	2.29	2.29	3.72
including	1.00	1.29	0.29	13.05

The **DalBianco Zone** is situated about 1000 m southwest of the Rikus Zone. No drilling has been done at this zone, but hand trenching was completed between 1987 and 2000. The DalBianco Zone comprises three sub-parallel veins, about 100 m apart that have been traced for up to 350 m along strike. Veins consist of barren to weakly mineralized quartz-carbonate gangue with a one to three metre wide, weakly silicified and rusty alteration halo that hosts minor disseminated arsenopyrite. Mineralization within the quartz-carbonate gangue occurs as 5 to 35 cm veins of semi-massive to massive, coarse grained arsenopyrite. Gold assays from halos typically return between 0.20 and 1.00 g/t but have yielded up to 2.26 g/t. Chip samples of arsenopyrite rich quartz assayed up to 41.07 g/t gold across 0.15 m, but most returned less than 9 g/t. Gold to arsenic ratios in this zone are the lowest on the property.

In 2009, confirmation sampling was done in three previously dug hand trenches. One trench was cleaned and chip sampled over a length of 3.15 m. Table III lists significant sample intervals from this trench.

Table III: 2009 Trench highlights from the DalBianco Zone

Trench	From (mW)	To (mW)	Length (m)	Au (g/t)
TR-KL-09-06	0.00	2.07	2.07	1.16
including	1.00	1.41	0.41	3.76

A grab sample was collected from each of the other two trenches. One of these samples yielded 2.02 g/t gold, while the other returned a background gold value.

The **Ross Zone** is located 2100 m west of the Rikus Zone. This zone is marked by a small soil geochemical anomaly. In 1995, two excavator trenches tested the soil anomaly and three diamond drill holes were drilled to test the down-dip extension of mineralization encountered during trenching. Trenching exposed a mineralized structure consisting of a one metre wide, light grey to dark brown clay gouge band containing small, quartz clasts and angular wallrock fragments. The first trench returned 19.06 g/t gold over one metre, but the other trench, which is situated 100 m to the south, failed to intercept significant mineralization.

Three diamond drill holes tested the down-dip extension of the mineralized structure beneath the first trench. Hole 1 was abandoned short of the zone. Hole 2 was drilled from the same drill setup as Hole 1, but at a slightly steeper angle. It intersected a section of clay gouge with quartz clasts, which assayed 4.16 g/t gold over 1.44 m. Only 27% of the material from this interval was recovered. Hole 3 was collared 50 m west of the other holes. This hole intersected weak vein structures near the top of the hole, which correlate with weak structures encountered in the first two holes, but it failed to intersect the main vein.

The **Malou Zone** lies between the Ross and Rikus zones. It is defined by two areas of anomalous soil geochemical response and three recessive topographic linears. In 1995, nine excavator trenches and three diamond drill holes tested mineralization at this zone. Trenching identified a 0.3 m wide band of stockworked quartz-arsenopyrite veinlets within strongly altered wallrock. At surface the altered wallrock comprises weathered white clay gouge surrounding one to five centimetre wide quartz bands with up to 15% coarse grained arsenopyrite. One trench across the zone returned 1.39 g/t gold over 0.3 m, but two other trenches, which lie 105 m and 250 m to the north, failed to intersect the mineralized structure.

Two diamond drill holes tested the down-dip projection of the vein described above. Hole 1 intersected strongly altered biotite schist hosting a stockwork of <1 mm wide quartz-arsenopyrite veinlets, which returned 2.74 g/t gold over 0.33 m. Hole 2 intersected quartz-arsenopyrite veins and stockwork veinlets within weakly altered wallrock, but returned near background gold values.

The second topographic linear is located 600 m east of the previously described vein. Bedrock beneath this linear host a one metre wide band of altered and brecciated wallrock containing a stockwork zone of narrow quartz-arsenopyrite veinlets and a three to five centimetre wide quartz-arsenopyrite vein. A composite sample of five vein specimens collected in the vicinity of this linear returned 5.31 g/t gold. A sample of mineralized vein material collected during trenching returned only slightly anomalous gold values. A drill intercept of altered and brecciated biotite schist with a 3.5 cm wide quartz-arsenopyrite vein and narrow veinlets returned 1.06 g/t gold over 1.13 m. Two other trenches located 100 m north and south failed to intersect mineralization. Trenches dug on the third recessive linear and other geochemical anomalies at the Malou Zone failed to intersect significant mineralization and returned low gold assays. This zone was not visited in 2009.

The **Sack Zone** lies 1400 m east of the Rikus Zone and is the easternmost zone on the property. It is located on a broad hummock separating two glacial valleys. In 1995, mineralized vein float was discovered along a series of poorly exposed linears. No mineralization has been observed in bedrock. Mineralized specimens are typically less than 15 cm thick and returned assays ranging from 3 to 9 g/t gold. The Sack Zone is more arsenopyrite rich than other zones.

The **Delor Zone** is situated about 2000 m west-northwest of the Rikus Zone and 1000 m north along strike from the Ross Zone. This zone covers an area about 300 by 200 m, which comprises boulders of quartz-carbonate vein material and mineralized biotite schist wallrock. It received only cursory exploration by previous operators, mainly because it lies on a frozen north-facing slope with no exposed bedrock. In 1995, vein fragments collected from frost heaves yielded up to 193.57 g/t gold.

In 2009, hand trenching targeted a previously unexplored recessive linear that was traced for a length of over 200 m. Trenching failed to reach bedrock, but boulders of quartz vein and mineralized biotite-schist wallrock were sampled prior to sloughing of trench walls. Seven specimen samples of quartz-carbonate vein with scorodite and arsenopyrite returned between 8.61 and 50.20 g/t gold.

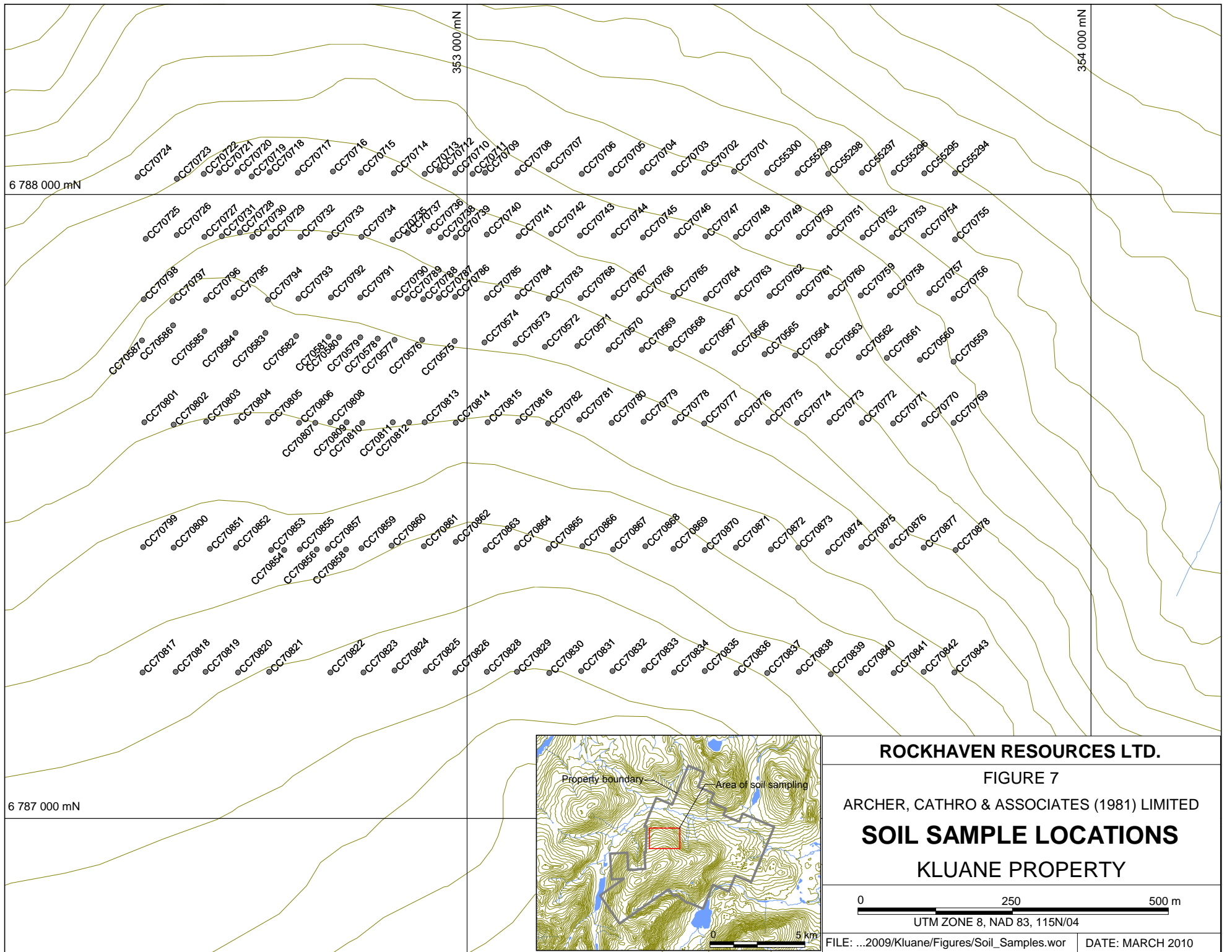
The **Switchback Zone** is located 700 m north of the Delor Zone and lies on a vegetated north facing slope. This zone comprises a small talus train of weakly mineralized quartz vein and altered biotite schist. There is no outcrop in the area. Twelve samples of weakly mineralized vein and wallrock were collected. These samples yielded 0.15 to 10.15 g/t gold.

SOIL GEOCHEMISTRY

In 2009, 206 soil samples were collected near the Switchback Zone in an area that was missed by historical soil sampling, which covered approximately 60% of the property. The 2009 sample locations are illustrated on Figure 7. Gold and arsenic results from this sampling were compiled with historical data and are illustrated thematically on Figures 8 and 9, respectively. Sampling and Analytical Procedures are described in Appendix III. Multi-element analyses for soil samples were carried out at ALS Chemex in North Vancouver, B.C. Soil samples were dried and sieved to -80 mesh. The fine fraction was then analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (Au-ICP21 and ME-ICP41). Certificates of analysis are copied in Appendix IV. Table IV lists the threshold values used to interpret soil geochemical results from on the property.

Table IV– Selected soil geochemical data

Element	Anomalous Thresholds			Peak Values	
	Weak	Moderate	Strong	2009	Historical
Gold	≥ 20 < 50 ppb	≥50 < 100 ppb	≥ 100 ppb	349 ppb	3,284 ppb
Arsenic	≥ 100 < 200 ppm	≥200 < 500 ppm	≥ 500ppm	456 ppm	7,350 ppm



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FIGURE 7

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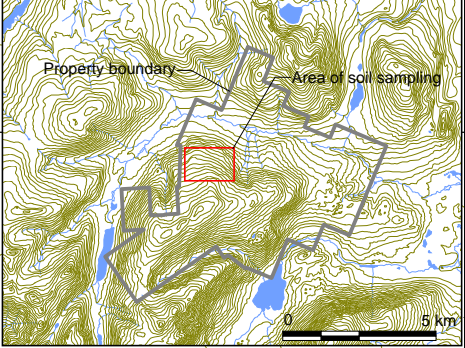
SOIL SAMPLE LOCATIONS

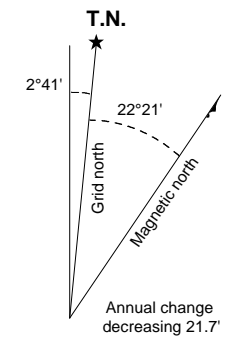
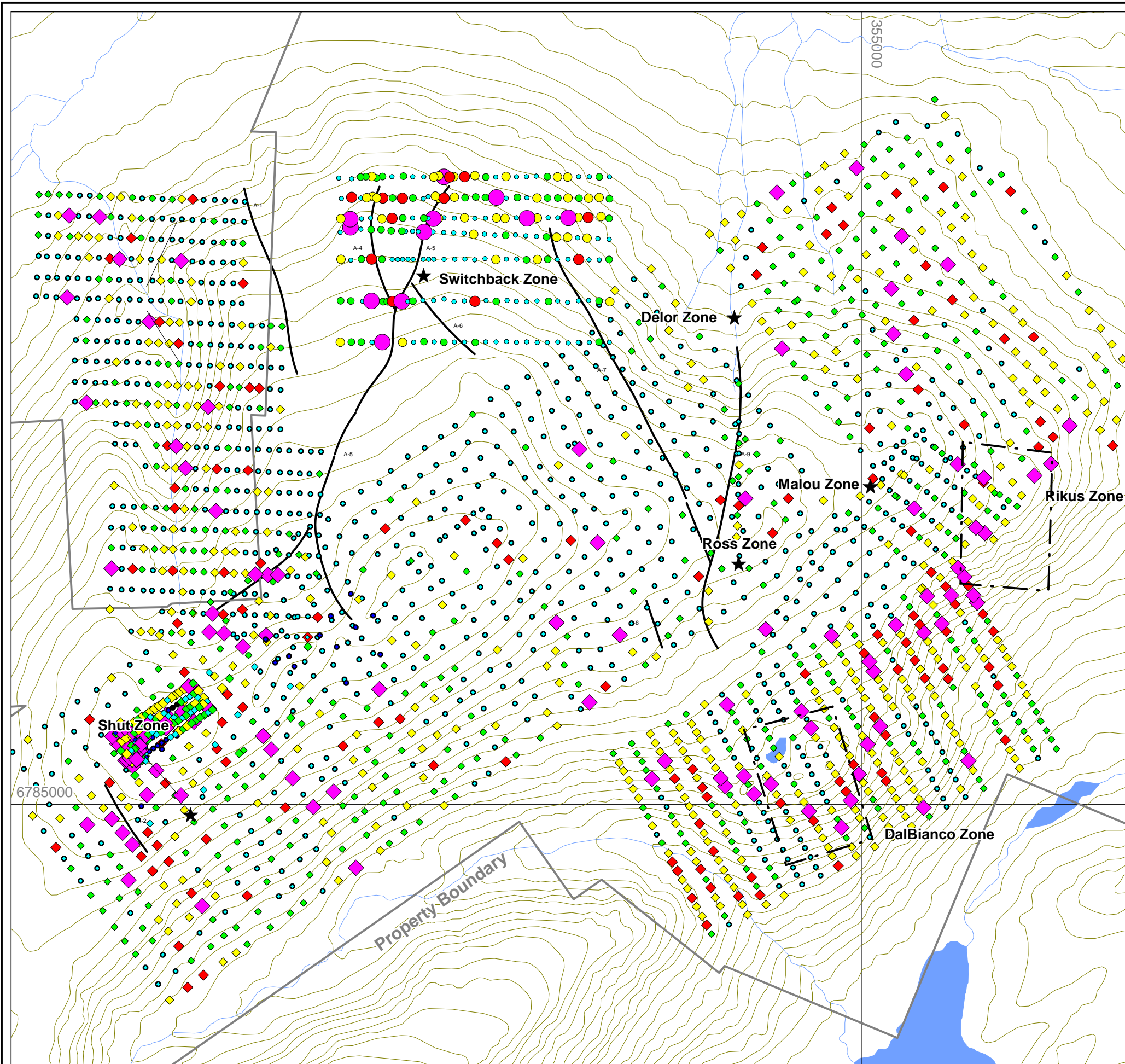
KLUANE PROPERTY

0 250 500 m

UTM ZONE 8, NAD 83, 115N/04

FILE: ...2009/Kluane/Figures/Soil_Samples.wor	DATE: MARCH 2010
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Gold in soil (ppb) 2009 samples	Gold in soil (ppb) Historic samples
● $\geq 100 < 349$	◆ $\geq 100 < 3280$
● $\geq 50 < 100$	◆ $\geq 50 < 100$
● $\geq 20 < 50$	◆ $\geq 20 < 50$
● $\geq 10 < 20$	◆ $\geq 10 < 20$
● $\geq 0 < 10$	◆ $\geq 0 < 10$

— Geophysical anomaly

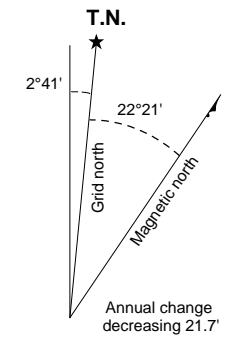
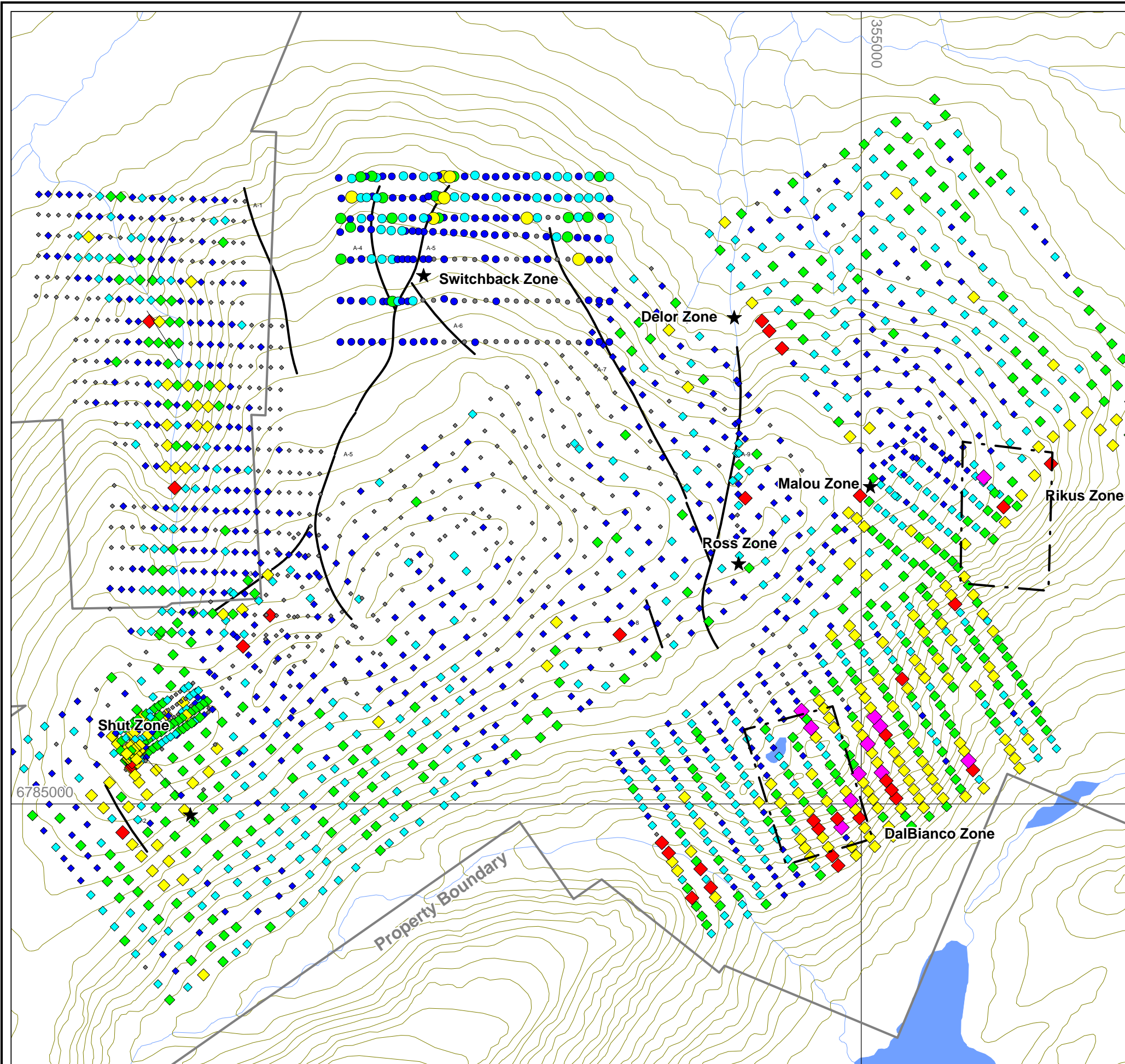
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FIGURE 8
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
 KLUANE PROPERTY

0 400 800 1200 1600 2000 m

UTM Zone 8, NAD83, NTS sheet 115H/04

FILE:../2009/RUBYRANGE/KLUANE/FIGURES.WOR DATE: MARCH 2010



Arsenic (ppm)	
Historic samples	2009 samples
◆ ≥1,000 < 7,350	● ≥200 < 500
◆ ≥500 < 1,000	● ≥100 < 200
◆ ≥200 < 500	● ≥50 < 100
◆ ≥100 < 200	● ≥20 < 50
◆ ≥50 < 100	● ≥0 < 20
◆ ≥20 < 50	
◆ ≥0 < 20	
— Geophysical anomaly	

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FIGURE 9
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ARSENIC SOIL GEOCHEMISTRY
 KLUANE PROPERTY

0 400 800 1200 1600 2000 m

UTM Zone 8, NAD83, NTS sheet 115H/04

FILE:../2009/RUBYRANGE/KLUANE/FIGURES.WOR DATE: MARCH 2010

A 3500 m long by 200 m wide, northeast-trending zone of strongly anomalous gold and arsenic values encompasses the **Rikus and DalBianco** zones. The anomaly is open to further extension along strike in both directions.

The **Ross Zone** is marked by a 500 m long by 150 m wide gold-in-soil anomaly. Samples yielding moderate and strong gold values were collected near the surface trace of a large north-trending geophysical anomaly.

The **Malou Zone** hosts a small cluster of moderate to strong gold and arsenic values. This zone is open on its northwest side.

The **Sack Zone's** geochemical response is different that the other zones on the property as it has a strong arsenic but weak gold signature.

The immediate vicinity of the **Delor Zone** has not been sampled due to permafrost; however, samples taken to the north, along strike of the vein, yielded moderate to strong gold and arsenic values. This anomaly is open to extension to the north.

The **Switchback Zone**, which was sampled for the first time in 2009, hosts numerous moderate to strong gold and arsenic values. The best values have a strong correlation with, or parallel to, linear geophysical anomalies.

DISCUSSION AND CONCLUSIONS

The Kluane property hosts a number of orogenic gold vein targets, plus a number of unexplained soil geochemical anomalies. The 2009 work program focused on expanding the soil sampling coverage to include the Switchback Zone and re-evaluating a number of historical hand trenches and mineralized float occurrences.

The Kluane property definitely warrants additional work to better assess the character and extent of the known mineralization and to explore the property for new discoveries. The work program should consists of: 1) additional closely spaced soil sampling to better delineate known anomalies and to test previously unsampled areas; 2) helicopter portable diamond drilling in areas where high grade zones have been identified in trenches; and 3) detailed prospecting and hand trenching along the length of various geophysical conductors with special attention on structural junctions.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Matt Turner, B.Sc.

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Matthew Turner, 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 British Columbia in 2002 with a B.Sc. majoring in Earth and Ocean Sciences.
2. From 1997 to present, I have been actively engaged in mineral exploration in British Columbia, Yukon Territory and Northwest Territories.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

Matthew Turner, B.Sc.

APPENDIX II
ROCK SAMPLE DESCRIPTIONS

Rock Sample DescriptionsProject: Kluane Property: Killermun

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
H886418	UTM:	353914 E	UTM:	6787074 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Small piece of milky white quartz vein material with minor thin layers of arsenopyrite. Weak limonite stain.

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
H886419	UTM:	353915 E	UTM:	6787086 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Float of 13 cm wide quartz vein with minor to moderate rusty stain. Contains ~8% angular rip-ups of wall rock that are fine grained and light grey and contain up to 30% (ave 10%) fine grained aspy. These clasts have limonite halos. Vein material is generally coarse grained with a weak comb texture and milky and has ~5% void space. Minor limonitic sulphide casts are also present.

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
H886420	UTM:	353920 E	UTM:	6787036 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 4.5 cm wide milky coarse grained qtz vein with a strong comb texture and ~5% void space and minor limonitic stain. Margins of vein (3-5 mm wide) are light grey due to fine grained aspy +/- included wall rock. Scorodite stain occurs on fractures.

Sample Number:	Grid East:	E	Grid North:	N	Type: Float	Dimension:
H886421	UTM:	353920 E	UTM:	6787036 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: 13 cm wide milky qtz vein with minor limonitic stringers parallel to vein. 3 mm on vein margin are moderate to light grey due to incorporation / extreme silicification of host schist. Vein contains ~3% small vugs containing coarse grained aspy.

Sample Number:	Grid East:	E	Grid North:	N	Type: chip	Dimension:
H886417	UTM:	355748 E	UTM:	6786333 N	Sample Width: 1.5 m	Abundance:
	Elevation:	m				

Comments: Medium grey quartz/biotite/muscovite (60/30/10 respectively) schist with well developed foliation. Minor limonite stain on fractures

TR-KL09-03
0-1.5m

Sample Number:	Grid East:	E	Grid North:	N	Type: chip	Dimension:
H886416	UTM:	355748 E	UTM:	6786333 N	Sample Width: 1.6 m	Abundance:
	Elevation:	m				

Comments: Medium grey fine grained mildly calcareous rock; possibly hornfels of H886417 contains rare glassy quartz eyes and weathers pale light grey.

TR-KL-09-03
1.5-3.1 m

Rock Sample DescriptionsProject: KluaneProperty: Killermun

Sample Number: Grid East: E Grid North: N Type: chip Dimension:
H886415 UTM: 355748 E UTM: 6786333 N Sample Width: 0.6 m Abundance:
Elevation: m

Comments: Gauge zone with 20 cm of very broken (same rock as H886415) on either side and interbanded medium grey white gauge (~ 5 cm wide bands) on the
TR-KL-09-03 east side and medium brown gauge on the west side.
3.1-3.7 m

Sample Number: Grid East: E Grid North: N Type: chip Dimension:
H886414 UTM: 355748 E UTM: 6786333 N Sample Width: 2.3 m Abundance:
Elevation: m

Comments: Medium grey quartz/biotite/muscovite (60/30/10 respectively) schist with well developed foliation. Minor limonite stain on fractures. Heavily fractured.
TR-KL-09-03
3.7-6 m

Sample Number: Grid East: E Grid North: N Type: chip Dimension:
H886413 UTM: 355748 E UTM: 6786333 N Sample Width: 1.8 m Abundance:
Elevation: m

Comments: Medium grey fine grained mildly calcareous rock; possibly hornfels of H886417 contains rare glassy quartz eyes and weathers pale light grey.
TR-KL-09-03
6-7.8 m

Sample Number: Grid East: E Grid North: N Type: chip Dimension:
H886412 UTM: 355748 E UTM: 6786333 N Sample Width: 1.7 m Abundance:
Elevation: m

Comments: Medium grey fine grained mildly calcareous rock; possibly hornfels of H886417 contains rare glassy quartz eyes and weathers pale light grey.
7.8-9.5 m
TR-KL-09-03

Sample Number: Grid East: E Grid North: N Type: chip Dimension:
H886411 UTM: 355748 E UTM: 6786333 N Sample Width: 1.9 m Abundance:
Elevation: m

Comments: Medium grey quartz/biotite/muscovite (60/30/10 respectively) schist with well developed foliation. Minor limonite stain on fractures
TR-KL-09-03
9.5-11.4 m

Sample Number: Grid East: E Grid North: N Type: chip Dimension:
H886410 UTM: 355748 E UTM: 6786333 N Sample Width: 0.2 m Abundance:
Elevation: m

Comments: Medium to light brown heavily fractured rock (possibly same rock as H886417 but difficult to tell).
TR-KL-09-03
11.4-11.6 m

Rock Sample Descriptions

Project: KluaneProperty: Killermun

Sample Number: H886409 Grid East: E Grid North: N Type: chip Dimension:
UTM: 355748 E UTM: 6786333 N Sample Width: 0.2 m Abundance:
Elevation: m

Comments: Milky white quartz vein material. Fine grained with minor arsenopyrite blebs and ~5% arsenopyrite layers forming thin layers parallel to the vein. Crack-seal texture.
TR-KL-09-03
11.6-11.8 m

Sample Number: H886408 Grid East: E Grid North: N Type: chip Dimension:
UTM: 355748 E UTM: 6786333 N Sample Width: 1.7 m Abundance:
Elevation: m

Comments: Medium grey quartz/biotite/muscovite (60/30/10 respectively) schist with well developed foliation. Minor limonite stain on fractures
TR-KL-09-03
11.8-13.5 m

Sample Number: H886407 Grid East: E Grid North: N Type: chip Dimension:
UTM: 355748 E UTM: 6786333 N Sample Width: 1.5 m Abundance:
Elevation: m

Comments: Medium grey quartz/biotite/muscovite (60/30/10 respectively) schist with well developed foliation. Minor limonite stain on fractures
TR-KL-09-03
13.5-15 m

Sample Number: H886371 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 355909 E UTM: 6786288 N Sample Width: 1.0 m Abundance:
Elevation: m

Comments: Chip across weakly rusty-tinted quartz-muscovite schist.
TR-KL-09-01
0 - 1.00 m

Sample Number: H886372 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 355909 E UTM: 6786288 N Sample Width: 0.7 m Abundance:
Elevation: m

Comments: Chip of strongly silicified schist. Pervasive rusty staining along all fractures. Very rubbly and broken, local quartz vein stringers with rusty pits.
TR-KL-09-01
1.0 - 1.7 m

Sample Number: H886373 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 355909 E UTM: 6786288 N Sample Width: 0.19 m Abundance:
Elevation: m

Comments: Chip of milky white quartz vein hosting local stringers of arsenopyrite and local disseminated pyrite. Zone is fairly broken.
TR-KL-09-01
1.7 - 1.89 m

Rock Sample Descriptions

Project: Kluane Property: Killermun

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886374	UTM:	355909 E	UTM:	6786288 N	Sample Width: 0.11 m	Abundance:
	Elevation:	m				

Comments: Chip of green-grey-orange gouge.

TR-KL-09-01

1.89 - 2.0 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886375	UTM:	355909 E	UTM:	6786288 N	Sample Width: 0.81 m	Abundance:
	Elevation:	m				

Comments: Chip of white quartz veining with layered, silicified and highly altered wallrock. Local arsenopyrite mineralization.

TR-KL-09-01

2.0 - 2.81 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886376	UTM:	355909 E	UTM:	6786288 N	Sample Width: 0.07 m	Abundance:
	Elevation:	m				

Comments: Chip of green-grey gaudy on hanging wall contact.

TR-KL-09-01

2.81 - 2.88 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886377	UTM:	355909 E	UTM:	6786288 N	Sample Width: 1.0 m	Abundance:
	Elevation:	m				

Comments: Chip of blocky green quartz mica schist. Locally silicified.

TR-KL-09-01

2.88 - 3.88 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Grab	Dimension:
H886378	UTM:	355909 E	UTM:	6786288 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Grab sample of strongly mineralized (arsenopyrite-scorodite) quartz vein material.

TR-KL-09-01

Grab

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886379	UTM:	355909 E	UTM:	6786245 N	Sample Width: 1.0 m	Abundance:
	Elevation:	m				

Comments: Chip of green musc. Quartz schist. Local rusty and manganese staining as well as silicified zones.

TR-KL-09-02

0 - 1.00 m

Rock Sample Descriptions

Project: KluaneProperty: Killermun

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886380	UTM:	355909 E	UTM:	6786245 N	Sample Width: 0.11 m	Abundance:
	Elevation:	m				

Comments: Chip of green -grey clay gouge. Crushed quartz and schist within clay.

TR-KL-09-02

1.00 - 1.11 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886381	UTM:	355909 E	UTM:	6786245 N	Sample Width: 0.65 m	Abundance:
	Elevation:	m				

Comments: Chip across strongly pitted and silicified green schist. A narrow QV is present with strong arsenopyrite mineralization. Strong sericite alteration throughout.

TR-KL-09-02

1.11 - 1.76 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886382	UTM:	355909 E	UTM:	6786245 N	Sample Width: 0.08 m	Abundance:
	Elevation:	m				

Comments: Chip of quartz vein hosting strong arsenopyrite as pits and stringers parallel to the orientation of the vein.

TR-KL-09-02

1.76 - 1.84 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886383	UTM:	355909 E	UTM:	6786245 N	Sample Width: 0.73 m	Abundance:
	Elevation:	m				

Comments: Chip of very strongly fractured and sericite altered schist. Strong silicification present throughout. Minor quartz veins.

TR-KL-09-02

1.84 - 2.57 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886384	UTM:	355909 E	UTM:	6786245 N	Sample Width: 1.0 m	Abundance:
	Elevation:	m				

Comments: Chip of very strongly fractured, limonite stained, silicified quartz-muscovite schist. Very pitted with local limonite stained pits. Narrow (3 cm) band of limonite gouge on western contact.

TR-KL-09-02

2.57 - 3.57 m

Sample Number:	Grid East:	E	Grid North:	N	Type: Chip	Dimension:
H886385	UTM:	355909 E	UTM:	6786245 N	Sample Width: 1.21 m	Abundance:
	Elevation:	m				

Comments: Chip of rusty and locally silicified quartz mica schist.

TR-KL-09-02

3.57 - 4.78 m

Rock Sample Descriptions

Project: KluaneProperty: Killermun

Sample Number: Grid East: E Grid North: N Type: Chip Dimension:
H886386 UTM: 355909 E UTM: 6786245 N Sample Width: 0.12 m Abundance:
 Elevation: m

Comments: Chip of grey-yellow gouge on footwall of adjacent vein contact.

TR-KL-09-02

4.78 - 4.90 m

Sample Number: Grid East: E Grid North: N Type: Chip Dimension:
H886387 UTM: 355909 E UTM: 6786245 N Sample Width: 0.21 m Abundance:
 Elevation: m

Comments: Chip of milky white quartz vein hosting narrow stringers and local disseminations of arsenopyrite. Minor scorodite staining as well. Vein is quite competent.

TR-KL-09-02

4.90 - 5.11 m

Sample Number: Grid East: E Grid North: N Type: Chip Dimension:
H886388 UTM: 355909 E UTM: 6786245 N Sample Width: 0.61 m Abundance:
 Elevation: m

Comments: Chip of hanging wall schist. Extremely broken and fractured. Locally silicified.

TR-KL-09-02

5.11 - 5.72 m

Sample Number: Grid East: E Grid North: N Type: Float Dimension:
H886389 UTM: 353989 E UTM: 6787419 N Sample Width: Abundance:
 Elevation: m

Comments: Float sample collected at the base of the hill below the Delor Zone. Sample consists of quartz vein material with minor arsenopyrite and scorodite staining.

Sample Number: Grid East: E Grid North: N Type: Float Dimension:
H886390 UTM: 353960 E UTM: 6787391 N Sample Width: Abundance:
 Elevation: m

Comments: Float sample collected at the base of the hill below the Delor Zone. Sample consists of quartz vein material with minor arsenopyrite and scorodite staining.

Sample Number: Grid East: E Grid North: N Type: Float Dimension:
H886391 UTM: 354475 E UTM: 6786104 N Sample Width: Abundance:
 Elevation: m

Comments: Quartz vein material discovered in dug up material from a ground squirrel hole. Material consists of quartz vein with no visible sulphides.

Rock Sample DescriptionsProject: KluaneProperty: Killermun

Sample Number: H886392 Grid East: E Grid North: N Type: Float Dimension:
UTM: 352872 E UTM: 6787016 N Sample Width: Abundance:
Elevation: m

Comments: White, fine grained intrusive with pyrite (2%) and rusty stained fractures.

Sample Number: H886393 Grid East: E Grid North: N Type: Float Dimension:
UTM: 352763 E UTM: 6787432 N Sample Width: Abundance:
Elevation: m

Comments: White, fine grained intrusive with pyrite (3%) and rusty stained fractures.

Sample Number: H886394 Grid East: E Grid North: N Type: Float Dimension:
UTM: 352946 E UTM: 6787934 N Sample Width: Abundance:
Elevation: m

Comments: White, fine grained intrusive with pyrite (4%) and rusty stained fractures. Float material found along max-min conductor.

Sample Number: H886395 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 354700 E UTM: 6785157 N Sample Width: 1.0 m Abundance:
Elevation: m

Comments: Strongly hornfels schist hosting disseminated arsenopyrite.

Sample Number: H886396 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 354703 E UTM: 6785122 N Sample Width: 1.0 m Abundance:
Elevation: m

Comments: Chip across green-tan hornfels schist.

TR-KL-09-06
0 - 1.00 m

Sample Number: H886397 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 354703 E UTM: 6785122 N Sample Width: 0.42 m Abundance:
Elevation: m

Comments: Chip across quartz vein hosting very strong (50% arsenopyrite)

TR-KL-09-06
1.00 - 1.42 m

Rock Sample Descriptions

Project: KluaneProperty: Killermun

Sample Number: Grid East: E Grid North: N Type: **Chip** Dimension:
H886398 UTM: 354703 E UTM: 6785122 N Sample Width: 0.58 m Abundance:
Elevation: m

Comments: Chip of locally hornfelsed muscovite schist. Fractures also host quartz vein stringers with arsenopyrite.

TR-KL-09-06
1.42 - 2.00 m

Sample Number: Grid East: E Grid North: N Type: **Chip** Dimension:
H886399 UTM: 354703 E UTM: 6785122 N Sample Width: 0.08 m Abundance:
Elevation: m

Comments: Chip of narrow quartz vein with strong arsenopyrite.

TR-KL-09-06
2.00 - 2.08 m

Sample Number: Grid East: E Grid North: N Type: **Chip** Dimension:
H886400 UTM: 354703 E UTM: 6785122 N Sample Width: 1.08 m Abundance:
Elevation: m

Comments: Chip of locally hornfels schist with quartz vein stringers containing arsenopyrite.

TR-KL-09-06
2.08 - 3.16 m

Sample Number: Grid East: E Grid North: N Type: **Float** Dimension:
H886422 UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Float boulder of quartz vein hosting ~3% arseno and local scorodite staining. Sample taken from base of trench.

TR-KL-09-05

Sample Number: Grid East: E Grid North: N Type: **Float** Dimension:
H886423 UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Float boulder of quartz vein hosting ~3% arseno and local scorodite staining. Sample taken from base of trench.

TR-KL-09-05

Sample Number: Grid East: E Grid North: N Type: **Float** Dimension:
H886424 UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Float boulder of quartz vein hosting ~3% arseno and local scorodite staining. Sample taken from base of trench.

TR-KL-09-05

Rock Sample DescriptionsProject: KluaneProperty: Killermun

Sample Number: H886425 Grid East: E Grid North: N Type: Float Dimension:
UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Float boulder of silicified wallrock at base of trench. Silicified metasediment contains arsenopyrite.
TR-KL-09-05

Sample Number: H886426 Grid East: E Grid North: N Type: Float Dimension:
UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Crushed Qtz in rib of trench. Appears to be soliflucted and not in place.
TR-KL-09-05

Sample Number: H886427 Grid East: E Grid North: N Type: Float Dimension:
UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Brown gouge from taken from trench floor.
TR-KL-09-05

Sample Number: H886428 Grid East: E Grid North: N Type: Float Dimension:
UTM: 353920 E UTM: 6787036 N Sample Width: Abundance:
Elevation: m

Comments: Crushed quartz and brown gouge taken from trench floor.
TR-KL-09-05

Sample Number: H886429 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 355703 E UTM: 6786170 N Sample Width: 1.00 m Abundance:
Elevation: m

Comments: Fractures hosting sheared veins.
TR-KL-09-04
0-1.00 m

Sample Number: H886430 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 355703 E UTM: 6786170 N Sample Width: 1.08 m Abundance:
Elevation: m

Comments: Mineralized quartz vein. Disseminated with arsenopyrite and pyrite, minor scorodite staining.
TR-KL-09-04
1.0-1.29 m

Rock Sample DescriptionsProject: KluaneProperty: Killermun

Sample Number: H886431 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 355703 E UTM: 6786170 N Sample Width: 1.00 m Abundance:
Elevation: m

Comments: Fractures hosting narrow sheared veins in hangingwall.

TR-KL-09-04

1.29-2.29 m

Sample Number: H886348 Grid East: E Grid North: N Type: Chip Dimension:
UTM: 354749 E UTM: 6784964 N Sample Width: 0.20 m Abundance:
Elevation: m

Comments: Chip sample across mineralized quartz vein.

0-0.20 m

APPENDIX III
SAMPLE HANDLING AND ANALYTICAL PROCEDURES

SAMPLE HANDLING AND ANALYTICAL PROCEDURES

Rock Geochemical Samples

All rock sample sites in 2009 were marked with orange flagging tape labeled with the sample number. The location of each sample was determined using a handheld GPS unit. All samples sent for shipment were double bagged with an individually pre-numbered sample tag placed in each bag.

The rock samples were submitted to ALS Chemex in North Vancouver, British Columbia where they were dried and fine crushed to -2 mm. A 250 g split was then pulverized to 75 micron and a portion of this material was digested in aqua regia before being analyzed for 34 elements by the inductively coupled plasma-atomic emission spectroscopy technique (ME-ICP41). Gold was analyzed using AU-ICP21. Overlimit samples for gold were analyzed using Au-GRA21.

Soil Geochemical Samples

All soil geochemical samples collected on the property were located by means of handheld GPS units. Sample locations were marked with orange flagging tape and labeled with sample number. Each soil sample was placed into individual pre-numbered kraft paper bags.

The silt samples were sent to ALS Chemex in North Vancouver, where they were dried and screened to minus 180 microns. A 50 g split of the screened fraction was dissolved in aqua regia and analyzed by ME-ICP41 and AU-ICP21.

Shipping and Handling

All rock and soil samples collected during the 2009 program were sorted into rice bags and sealed with a plastic zap strap on the Kluane property. Samples were brought to Whitehorse by truck when the field crew demobilized from the property. Sample bags were temporarily stored at the Archer Cathro office prior to shipment. All samples were shipped via Greyhound Courier Express to ALS Chemex in North Vancouver, British Columbia.

APPENDIX IV
CERTIFICATES OF ANALYSIS



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd.

2103 Doliarton Hwy

North Vancouver BC V7H 0A7

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



To: ROCKHAVEN RESOURCES LTD.
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1016 - 510 W HASTINGS STREET
VANCOUVER BC V6B 1L8

Page: 1
Finalized Date: 7-OCT-2009
Account: ROCKHA

CERTIFICATE VA09105727

Project: Kluane

P.O. No.:

This report is for 206 Soil samples submitted to our lab in Vancouver, BC, Canada on 22-SEP-2009.

The following have access to data associated with this certificate:

JOAN MARIACHER

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

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

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.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



ALS Chemex

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Page: 2 - A
Total Pages: 7 (A - C)
Finalized Date: 7-OCT-2009
Account: ROCKHA

Project: Kluane

CERTIFICATE OF ANALYSIS VA09105727

Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC70559	0.28	<0.2	2.64	70	<10	330	0.5	<2	0.32	<0.5	13	104	41	3.75	10
CC70560	0.24	<0.2	0.40	27	<10	40	<0.5	<2	0.17	<0.5	9	10	12	1.21	<10
CC70561	0.30	<0.2	2.38	47	<10	200	0.6	<2	0.34	<0.5	12	62	39	3.41	10
CC70562	0.20	<0.2	1.24	20	<10	90	<0.5	<2	0.24	<0.5	9	29	29	2.24	10
CC70563	0.28	<0.2	2.85	112	<10	280	0.8	<2	0.35	<0.5	15	74	48	4.04	10
CC70564	0.26	<0.2	2.23	78	<10	200	0.6	<2	0.32	<0.5	11	59	35	3.17	10
CC70565	0.22	<0.2	2.57	26	<10	240	0.7	<2	0.30	<0.5	14	65	39	3.58	10
CC70566	0.18	0.2	2.55	19	<10	320	0.7	<2	0.52	<0.5	18	53	46	3.34	10
CC70567	0.34	0.2	2.77	45	<10	340	0.6	<2	0.44	<0.5	14	76	42	3.85	10
CC70568	0.52	<0.2	2.18	11	<10	280	0.5	<2	0.45	<0.5	13	61	34	3.27	10
CC70569	0.28	<0.2	2.93	35	<10	330	0.6	<2	0.36	<0.5	14	73	33	3.84	10
CC70570	0.34	<0.2	2.83	23	<10	410	0.7	<2	0.47	<0.5	16	82	45	3.78	10
CC70571	0.32	<0.2	2.52	23	<10	330	0.7	<2	0.46	<0.5	14	68	37	3.56	10
CC70572	0.28	<0.2	2.74	20	<10	340	0.7	<2	0.37	<0.5	14	72	38	3.72	10
CC70573	0.18	<0.2	2.73	22	<10	300	0.8	<2	0.38	<0.5	14	66	40	3.87	10
CC70574	0.26	<0.2	2.96	24	<10	350	0.8	<2	0.36	<0.5	18	75	43	4.15	10
CC70575	0.20	0.2	2.60	21	<10	340	0.8	<2	0.42	<0.5	16	66	44	3.78	10
CC70576	0.26	0.2	2.54	20	<10	300	0.5	<2	0.36	<0.5	14	73	32	3.65	10
CC70577	0.32	<0.2	2.84	29	<10	290	0.7	<2	0.37	<0.5	13	67	38	3.69	10
CC70578	0.20	<0.2	1.96	28	<10	180	0.5	<2	0.34	<0.5	12	51	32	3.56	10
CC70579	0.14	0.2	2.71	31	<10	350	0.9	<2	0.50	<0.5	19	63	41	3.85	10
CC70580	0.30	<0.2	2.57	43	<10	270	0.7	<2	0.28	<0.5	11	70	35	3.54	10
CC70581	0.26	<0.2	3.27	54	<10	390	0.8	<2	0.25	<0.5	14	89	37	3.96	10
CC70582	0.28	<0.2	2.42	63	<10	210	0.7	<2	0.23	<0.5	12	64	34	3.42	10
CC70583	0.16	<0.2	2.75	99	<10	230	0.8	2	0.32	<0.5	19	69	47	4.28	10
CC70584	0.34	<0.2	2.54	39	<10	240	0.7	<2	0.38	<0.5	15	65	37	3.55	10
CC70585	0.28	0.2	2.43	35	<10	170	0.7	<2	0.21	<0.5	13	61	37	3.74	10
CC70586	0.26	<0.2	3.21	117	<10	290	0.9	<2	0.29	<0.5	20	73	52	4.29	10
CC70587	0.34	<0.2	3.10	43	<10	250	0.8	<2	0.23	<0.5	19	73	37	3.86	10
CC70701	0.28	<0.2	3.12	60	<10	320	0.5	<2	0.43	<0.5	17	169	34	3.52	10
CC70702	0.36	<0.2	3.28	33	<10	450	0.7	<2	0.42	<0.5	18	89	35	4.21	10
CC70703	0.56	<0.2	3.23	23	<10	350	0.8	<2	0.31	<0.5	13	86	40	3.60	10
CC70704	0.38	<0.2	3.01	33	<10	360	0.7	<2	0.32	<0.5	13	86	36	3.61	10
CC70705	0.46	<0.2	3.01	38	<10	370	0.8	<2	0.32	<0.5	15	83	41	3.95	10
CC70706	0.40	<0.2	2.63	38	<10	330	0.6	<2	0.38	<0.5	15	73	35	3.65	10
CC70707	0.38	0.2	2.80	65	<10	330	0.8	<2	0.32	<0.5	15	80	38	4.04	10
CC70708	0.34	<0.2	2.52	40	<10	270	0.7	<2	0.29	<0.5	14	71	36	3.73	10
CC70709	0.40	<0.2	2.87	183	<10	290	0.8	<2	0.31	<0.5	15	73	47	4.04	10
CC70710	0.40	0.3	2.64	217	<10	290	0.7	<2	0.29	<0.5	11	73	36	3.41	10
CC70711	0.40	0.8	2.40	272	<10	280	0.6	<2	0.32	<0.5	15	70	41	3.66	10



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Page: 2 - B
Total Pages: 7 (A - C)
Finalized Date: 7-OCT-2009
Account: ROCKHA

Project: Kluane

CERTIFICATE OF ANALYSIS VA09105727

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	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC70559		1	0.68	<10	1.26	375	<1	0.03	39	660	2	0.06	<2	9	32	<20
CC70560		<1	0.04	<10	0.17	356	<1	0.02	4	360	2	0.04	<2	1	17	<20
CC70561		1	0.32	10	0.84	479	<1	0.02	31	830	5	0.07	2	6	34	<20
CC70562		<1	0.08	10	0.39	418	<1	0.02	14	730	4	0.09	<2	2	25	<20
CC70563		<1	0.40	10	0.94	587	<1	0.02	39	990	4	0.07	2	8	34	<20
CC70564		1	0.37	<10	0.76	403	<1	0.03	30	760	3	0.04	2	7	32	<20
CC70565		1	0.34	10	0.87	476	<1	0.02	34	870	4	0.07	<2	7	32	<20
CC70566		1	0.26	10	0.81	1415	<1	0.03	28	1380	5	0.16	<2	5	55	<20
CC70567		<1	0.51	10	1.13	421	<1	0.03	34	1010	3	0.06	<2	8	41	<20
CC70568		<1	0.41	10	0.81	442	<1	0.03	29	970	3	0.06	<2	7	35	<20
CC70569		<1	0.57	10	1.20	449	<1	0.03	31	920	5	0.05	<2	9	31	<20
CC70570		<1	0.57	10	1.05	507	<1	0.04	40	1060	5	0.07	<2	8	43	<20
CC70571		1	0.39	10	0.89	495	<1	0.03	34	930	4	0.07	<2	7	42	<20
CC70572		<1	0.52	10	0.98	516	<1	0.03	36	890	3	0.08	<2	8	33	<20
CC70573		<1	0.35	10	0.93	494	<1	0.03	34	1040	6	0.11	2	7	39	<20
CC70574		<1	0.58	10	1.09	540	<1	0.03	42	860	3	0.05	<2	9	30	<20
CC70575		<1	0.41	10	0.92	553	<1	0.03	35	1070	4	0.10	<2	7	39	<20
CC70576		1	0.50	10	1.06	387	<1	0.03	35	700	<2	0.05	<2	8	31	<20
CC70577		1	0.46	10	0.98	416	<1	0.03	34	920	3	0.04	<2	8	28	<20
CC70578		<1	0.21	10	0.72	428	1	0.02	28	730	8	0.06	<2	4	34	<20
CC70579		<1	0.37	10	0.76	1150	<1	0.03	33	1420	5	0.15	<2	6	47	<20
CC70580		1	0.48	10	0.95	368	<1	0.03	35	500	3	0.04	<2	8	28	<20
CC70581		<1	0.70	10	1.11	348	<1	0.02	40	750	2	0.02	<2	11	19	<20
CC70582		<1	0.41	10	0.83	428	<1	0.02	34	550	3	0.04	<2	7	21	<20
CC70583		1	0.28	10	0.98	778	1	0.02	42	1020	7	0.05	<2	7	28	<20
CC70584		1	0.35	10	0.82	626	1	0.03	38	1150	6	0.08	<2	6	31	<20
CC70585		1	0.29	10	0.85	415	1	0.02	32	830	9	0.07	<2	5	23	<20
CC70586		1	0.41	10	1.03	675	<1	0.03	47	640	6	0.05	<2	8	26	<20
CC70587		1	0.48	10	1.07	598	<1	0.04	34	770	4	0.07	<2	7	22	<20
CC70701		1	0.53	10	1.50	290	<1	0.04	43	1000	2	0.05	<2	7	42	<20
CC70702		<1	0.66	10	1.23	610	<1	0.03	39	1040	2	0.04	<2	10	36	<20
CC70703		1	0.56	10	1.06	253	<1	0.03	42	980	2	0.04	2	10	26	<20
CC70704		<1	0.61	10	1.10	331	<1	0.03	39	880	<2	0.04	<2	9	29	<20
CC70705		<1	0.69	<10	1.10	379	<1	0.01	39	900	5	0.01	<2	10	28	<20
CC70706		1	0.54	10	1.00	439	<1	0.02	36	830	4	0.02	2	8	34	<20
CC70707		<1	0.55	10	1.01	539	<1	0.01	39	900	5	0.03	<2	9	29	<20
CC70708		<1	0.47	10	0.93	431	<1	0.01	35	760	4	0.02	<2	8	25	<20
CC70709		<1	0.51	10	1.00	507	<1	0.01	41	780	6	0.02	3	9	31	<20
CC70710		<1	0.55	10	0.99	274	<1	0.01	32	920	14	0.02	2	8	25	<20
CC70711		<1	0.48	10	0.92	475	<1	0.01	36	820	5	0.01	<2	8	27	<20



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.001
CC70559		0.27	<10	<10	119	<10	91	0.009
CC70560		0.06	<10	<10	36	<10	23	0.008
CC70561		0.17	<10	<10	95	<10	77	0.021
CC70562		0.09	<10	<10	60	<10	43	0.005
CC70563		0.20	<10	<10	115	<10	93	0.039
CC70564		0.20	<10	<10	95	<10	74	0.041
CC70565		0.19	<10	<10	100	<10	78	0.010
CC70566		0.14	<10	<10	83	<10	70	0.005
CC70567		0.24	<10	<10	111	<10	84	0.006
CC70568		0.20	<10	<10	98	<10	80	0.002
CC70569		0.25	<10	<10	103	<10	88	0.017
CC70570		0.24	<10	<10	114	<10	91	0.007
CC70571		0.20	<10	<10	104	<10	81	0.005
CC70572		0.22	<10	<10	108	<10	83	0.034
CC70573		0.19	<10	<10	104	<10	75	0.006
CC70574		0.28	<10	<10	119	<10	104	0.004
CC70575		0.19	<10	<10	103	<10	80	0.004
CC70576		0.26	<10	<10	107	<10	84	0.008
CC70577		0.22	<10	<10	103	<10	84	0.133
CC70578		0.15	<10	<10	94	<10	85	0.005
CC70579		0.15	<10	<10	98	<10	82	0.008
CC70580		0.23	<10	<10	104	<10	83	0.009
CC70581		0.30	<10	<10	126	<10	95	0.012
CC70582		0.20	<10	<10	96	<10	83	0.016
CC70583		0.18	<10	<10	107	<10	96	0.017
CC70584		0.18	<10	<10	95	<10	94	0.011
CC70585		0.16	<10	<10	94	<10	75	0.008
CC70586		0.21	<10	<10	110	<10	98	0.271
CC70587		0.25	<10	<10	100	<10	91	0.008
CC70701		0.23	<10	<10	116	<10	77	0.009
CC70702		0.27	<10	<10	133	<10	102	0.006
CC70703		0.25	<10	<10	118	<10	88	0.007
CC70704		0.25	<10	<10	118	<10	85	0.021
CC70705		0.27	<10	<10	121	<10	99	0.006
CC70706		0.23	<10	<10	108	<10	81	0.013
CC70707		0.25	<10	<10	121	<10	88	0.028
CC70708		0.23	<10	<10	109	<10	79	0.086
CC70709		0.23	<10	<10	114	<10	88	0.024
CC70710		0.20	<10	<10	101	<10	89	0.193
CC70711		0.21	<10	<10	105	<10	82	0.066



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC70712		0.44	0.2	2.90	48	<10	340	0.7	<2	0.35	<0.5	13	80	32	3.71	10
CC70713		0.28	0.2	3.08	60	<10	320	0.7	<2	0.28	<0.5	12	81	37	3.79	10
CC70714		0.30	<0.2	2.90	62	<10	300	0.7	<2	0.28	<0.5	14	84	38	3.98	10
CC70715		0.32	<0.2	2.72	45	<10	270	0.7	<2	0.23	<0.5	16	69	39	3.95	10
CC70716		0.24	0.4	2.55	73	<10	270	0.8	<2	0.48	<0.5	16	69	40	3.89	10
CC70717		0.32	<0.2	2.39	33	<10	210	0.6	<2	0.21	<0.5	13	69	34	4.00	10
CC70718		0.28	<0.2	2.98	43	<10	230	0.8	<2	0.20	<0.5	24	75	47	4.28	10
CC70719		0.16	0.2	2.74	59	<10	240	0.8	<2	0.38	<0.5	23	67	48	4.48	10
CC70720		0.28	0.4	3.21	133	<10	310	0.9	<2	0.39	<0.5	20	82	58	4.91	10
CC70721		0.26	<0.2	2.58	27	<10	240	0.5	<2	0.46	<0.5	15	70	40	3.57	10
CC70722		0.20	0.3	3.05	117	<10	300	0.9	<2	0.45	<0.5	20	76	51	4.52	10
CC70723		0.24	<0.2	2.51	51	<10	200	0.6	<2	0.20	<0.5	16	75	42	4.08	10
CC70724		0.30	0.2	2.45	35	<10	310	0.7	<2	0.40	<0.5	16	67	37	3.72	10
CC70725		0.32	0.2	2.34	36	<10	230	0.6	<2	0.32	<0.5	15	63	36	3.78	10
CC70728		0.28	0.3	2.66	266	<10	190	0.6	<2	0.36	<0.5	21	75	60	4.68	10
CC70727		0.26	<0.2	1.97	76	<10	190	<0.5	<2	0.41	<0.5	12	56	32	3.70	10
CC70728		0.34	<0.2	2.53	40	<10	190	0.6	<2	0.25	<0.5	15	65	35	3.53	10
CC70729		0.30	<0.2	3.24	160	<10	310	0.9	<2	0.43	<0.5	22	96	66	5.18	10
CC70730		0.36	0.2	3.09	90	<10	290	0.8	<2	0.42	<0.5	18	81	50	4.39	10
CC70731		0.24	<0.2	2.43	90	<10	280	0.5	<2	0.40	<0.5	15	66	34	3.67	10
CC70732		0.26	<0.2	2.29	45	<10	210	0.6	<2	0.20	<0.5	14	67	35	3.80	10
CC70733		0.30	<0.2	2.92	42	<10	350	0.7	<2	0.35	<0.5	17	90	45	4.04	10
CC70734		0.28	0.2	2.72	36	<10	320	0.6	<2	0.31	<0.5	13	75	29	3.47	10
CC70735		0.28	<0.2	2.67	35	<10	250	0.7	<2	0.25	<0.5	13	66	39	3.61	10
CC70736		0.34	<0.2	3.01	144	<10	400	0.8	<2	0.35	<0.5	14	79	42	3.97	10
CC70737		0.52	<0.2	2.62	32	<10	280	0.7	<2	0.34	<0.5	13	69	39	3.63	10
CC70738		0.22	0.2	2.43	452	<10	270	0.5	<2	0.18	<0.5	13	72	39	3.55	10
CC70739		0.40	<0.2	2.86	205	<10	300	0.6	<2	0.33	<0.5	13	97	41	3.85	10
CC70740		0.24	0.2	2.67	68	<10	280	0.8	<2	0.33	<0.5	18	72	42	4.12	10
CC70741		0.26	0.2	3.00	70	<10	340	0.9	<2	0.29	<0.5	15	85	47	4.07	10
CC70742		0.38	0.2	2.76	47	<10	330	0.7	<2	0.36	<0.5	14	80	39	3.56	10
CC70743		0.34	0.2	2.61	40	<10	320	0.6	<2	0.40	<0.5	13	73	35	3.49	10
CC70744		0.36	0.2	3.15	51	<10	380	0.7	<2	0.37	<0.5	16	103	41	3.75	10
CC70745		0.30	0.2	3.62	27	<10	520	0.8	2	0.39	<0.5	16	96	47	4.08	10
CC70746		0.28	<0.2	3.29	31	<10	420	0.7	<2	0.35	<0.5	16	89	37	3.97	10
CC70747		0.30	<0.2	2.53	33	<10	330	<0.5	<2	0.52	<0.5	14	96	27	3.04	10
CC70748		0.36	<0.2	2.84	60	<10	370	0.7	<2	0.39	<0.5	14	77	38	3.45	10
CC70749		0.36	0.2	2.73	41	<10	290	0.5	<2	0.38	<0.5	14	71	31	3.07	10
CC70750		0.28	0.3	2.82	59	<10	300	0.5	<2	0.33	<0.5	12	77	31	3.33	10
CC70751		0.32	<0.2	2.68	48	<10	330	0.7	<2	0.36	<0.5	15	79	38	3.67	10



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CERTIFICATE OF ANALYSIS VA09105727

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	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC70712		<1	0.62	<10	1.07	285	<1	0.01	38	990	4	0.02	<2	9	30	<20
CC70713		<1	0.54	10	1.05	261	<1	0.01	39	840	6	0.03	<2	9	28	<20
CC70714		<1	0.50	10	1.02	433	<1	0.01	39	820	6	0.05	<2	8	29	<20
CC70715		<1	0.40	10	0.90	523	<1	0.01	37	580	6	0.03	2	8	26	<20
CC70716		<1	0.36	10	0.87	649	1	0.01	36	1090	5	0.11	2	7	50	<20
CC70717		1	0.34	10	0.88	311	1	<0.01	38	340	6	0.01	<2	7	21	<20
CC70718		<1	0.40	10	1.04	648	<1	0.01	45	450	7	0.03	2	8	26	<20
CC70719		<1	0.23	10	0.95	865	2	0.01	41	1150	9	0.08	3	5	45	<20
CC70720		<1	0.40	10	1.11	513	<1	0.01	48	1080	9	0.08	3	8	49	<20
CC70721		1	0.50	10	1.06	346	<1	0.03	38	920	3	0.01	<2	8	39	<20
CC70722		<1	0.37	10	1.05	685	1	0.01	44	1030	8	0.08	<2	7	51	<20
CC70723		<1	0.47	10	1.01	435	1	0.01	41	530	6	0.03	<2	7	23	<20
CC70724		<1	0.52	10	0.94	444	<1	0.02	36	870	4	0.03	2	8	34	<20
CC70725		<1	0.32	10	0.85	493	1	0.01	36	590	6	0.03	2	7	30	<20
CC70726		<1	0.32	10	1.14	720	<1	0.01	55	730	10	0.01	6	8	32	<20
CC70727		<1	0.27	<10	0.84	415	1	0.01	32	620	7	0.05	<2	5	38	<20
CC70728		<1	0.35	10	0.93	381	<1	0.02	34	500	5	0.02	<2	6	27	<20
CC70729		<1	0.52	10	1.26	754	<1	0.01	57	980	8	0.02	<2	11	54	<20
CC70730		1	0.45	10	1.13	530	<1	0.01	45	1000	10	0.01	2	10	46	<20
CC70731		<1	0.52	10	1.04	415	<1	0.02	33	900	4	0.02	<2	7	36	<20
CC70732		<1	0.41	10	0.86	417	1	0.01	35	530	4	0.02	<2	7	22	<20
CC70733		1	0.62	<10	1.12	462	<1	0.02	47	890	4	0.03	2	10	36	<20
CC70734		1	0.60	<10	1.05	368	<1	0.01	33	710	4	0.04	2	8	29	<20
CC70735		<1	0.34	10	0.83	383	<1	0.01	34	720	4	0.05	<2	7	28	<20
CC70736		<1	0.72	10	1.10	374	<1	0.01	36	1040	7	0.01	<2	9	29	<20
CC70737		<1	0.52	10	0.93	434	<1	0.01	37	870	5	0.02	<2	8	28	<20
CC70738		<1	0.35	10	0.90	383	<1	0.01	34	600	6	0.05	<2	6	26	<20
CC70739		<1	0.69	<10	1.26	251	<1	0.01	42	900	5	0.03	2	9	28	<20
CC70740		<1	0.46	10	0.95	587	1	0.01	38	780	6	0.05	<2	7	34	<20
CC70741		1	0.59	10	1.08	512	2	0.02	43	800	7	0.05	<2	9	28	<20
CC70742		<1	0.54	<10	1.05	453	2	0.03	41	790	6	0.05	<2	8	33	<20
CC70743		1	0.62	10	0.98	366	2	0.03	36	1040	4	0.02	<2	9	28	<20
CC70744		<1	0.89	<10	1.30	461	2	0.03	45	1010	4	0.05	<2	9	32	<20
CC70745		1	0.93	<10	1.34	313	1	0.03	45	1200	6	0.02	2	11	31	<20
CC70746		1	0.67	<10	1.13	410	2	0.02	42	1120	5	0.05	<2	8	30	<20
CC70747		<1	0.44	<10	1.16	423	1	0.03	29	1200	6	0.05	<2	7	43	<20
CC70748		1	0.59	<10	1.07	371	2	0.02	38	870	4	0.05	<2	8	40	<20
CC70749		<1	0.48	<10	1.04	343	1	0.03	31	880	6	0.05	<2	7	38	<20
CC70750		1	0.56	<10	1.08	268	2	0.02	34	790	6	0.04	<2	8	33	<20
CC70751		<1	0.64	<10	1.04	441	2	0.02	41	860	5	0.02	<2	9	29	<20



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.001
CC70712		0.25	<10	<10	114	<10	80	0.020
CC70713		0.22	<10	<10	113	<10	77	0.038
CC70714		0.21	<10	<10	115	<10	77	0.007
CC70715		0.20	<10	<10	110	<10	79	0.006
CC70716		0.18	<10	<10	111	<10	79	0.010
CC70717		0.23	<10	<10	114	<10	78	0.003
CC70718		0.22	<10	<10	116	<10	89	0.019
CC70719		0.13	<10	<10	114	<10	94	0.010
CC70720		0.17	<10	<10	130	<10	105	0.022
CC70721		0.23	<10	<10	107	<10	76	0.014
CC70722		0.17	<10	<10	121	<10	95	0.014
CC70723		0.23	<10	<10	118	<10	92	0.005
CC70724		0.23	<10	<10	108	<10	81	0.005
CC70725		0.20	<10	<10	103	<10	87	0.004
CC70726		0.15	<10	<10	113	<10	128	0.091
CC70727		0.15	<10	<10	98	<10	77	0.005
CC70728		0.20	<10	<10	100	<10	69	0.042
CC70729		0.23	<10	<10	146	<10	118	0.094
CC70730		0.23	<10	<10	123	<10	107	0.026
CC70731		0.25	<10	<10	106	<10	81	0.042
CC70732		0.21	<10	<10	105	<10	76	0.011
CC70733		0.27	<10	<10	123	<10	88	0.078
CC70734		0.23	<10	<10	109	<10	74	0.018
CC70735		0.19	<10	<10	102	<10	70	0.006
CC70736		0.28	<10	<10	119	<10	99	0.027
CC70737		0.22	<10	<10	104	<10	81	0.009
CC70738		0.18	<10	<10	96	<10	71	0.044
CC70739		0.26	<10	<10	120	<10	84	0.050
CC70740		0.21	<10	<10	115	<10	84	0.021
CC70741		0.26	<10	<10	125	<10	95	0.010
CC70742		0.23	<10	<10	109	<10	83	0.019
CC70743		0.24	<10	<10	107	<10	81	0.012
CC70744		0.28	<10	<10	125	<10	87	0.140
CC70745		0.31	<10	<10	140	<10	92	0.009
CC70746		0.25	<10	<10	128	<10	84	0.019
CC70747		0.21	<10	<10	96	<10	75	0.007
CC70748		0.22	<10	<10	113	<10	82	0.038
CC70749		0.20	<10	<10	99	<10	74	0.012
CC70750		0.22	<10	<10	105	<10	77	0.010
CC70751		0.25	<10	<10	117	<10	88	0.031



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC70752		0.34	0.2	2.93	55	<10	340	0.7	<2	0.31	<0.5	15	91	38	3.84	10
CC70753		0.30	0.3	3.01	75	<10	390	0.8	<2	0.36	<0.5	19	99	46	4.05	10
CC70754		0.30	0.3	2.99	61	<10	390	0.8	<2	0.33	<0.5	21	96	44	3.96	10
CC70755		0.38	0.2	2.90	48	<10	380	0.7	<2	0.30	<0.5	15	91	41	3.84	10
CC70756		0.26	0.2	2.78	63	<10	310	0.8	<2	0.34	<0.5	19	77	39	3.70	10
CC70757		0.36	<0.2	3.06	32	<10	360	0.8	<2	0.33	<0.5	15	91	41	3.65	10
CC70758		0.30	0.2	2.73	147	<10	260	0.6	<2	0.30	<0.5	13	72	36	3.43	10
CC70759		0.22	0.3	2.80	60	<10	250	0.9	<2	0.29	<0.5	11	72	46	3.11	10
CC70760		0.26	0.4	2.94	170	<10	310	0.6	<2	0.25	<0.5	13	101	40	3.68	10
CC70761		0.26	<0.2	2.26	18	<10	220	0.5	<2	0.30	<0.5	10	58	31	2.82	10
CC70762		0.34	0.2	3.61	18	<10	530	0.7	<2	0.44	<0.5	16	102	46	4.30	10
CC70763		0.36	0.2	3.03	61	<10	360	0.5	<2	0.45	<0.5	14	77	36	3.42	10
CC70764		0.38	0.2	2.68	456	<10	380	0.5	<2	0.37	<0.5	15	85	53	3.73	10
CC70765		0.42	0.2	3.56	20	<10	510	0.6	<2	0.44	<0.5	15	88	43	4.27	10
CC70766		0.36	0.2	2.99	20	<10	410	0.7	<2	0.36	<0.5	14	92	46	3.73	10
CC70767		0.40	0.2	3.48	43	<10	490	0.7	<2	0.50	<0.5	17	91	47	4.14	10
CC70768		0.28	0.2	3.71	28	<10	570	0.9	<2	0.41	<0.5	22	227	53	4.10	10
CC70769		0.34	0.2	2.96	25	<10	300	<0.5	<2	0.42	<0.5	27	237	46	3.61	10
CC70770		0.24	<0.2	3.20	32	<10	340	0.5	<2	0.46	<0.5	19	141	53	3.62	10
CC70771		0.34	0.2	3.85	29	<10	490	0.6	<2	0.69	<0.5	21	112	59	4.06	10
CC70772		0.42	0.2	2.88	428	<10	260	0.6	<2	0.34	<0.5	17	80	51	4.00	10
CC70773		0.24	<0.2	2.71	18	<10	230	0.8	<2	0.30	<0.5	15	65	47	3.73	10
CC70774		0.32	0.2	2.51	16	<10	260	0.7	<2	0.35	<0.5	13	64	46	3.53	10
CC70775		0.36	0.2	2.52	26	<10	280	0.7	<2	0.30	<0.5	13	74	42	3.57	10
CC70776		0.26	0.2	2.43	20	<10	250	0.6	<2	0.35	<0.5	13	60	36	3.33	10
CC70777		0.40	<0.2	2.60	24	<10	280	0.7	<2	0.28	<0.5	14	66	35	3.36	10
CC70778		0.28	<0.2	2.19	17	<10	220	0.5	<2	0.34	<0.5	12	59	33	3.14	10
CC70779		0.40	<0.2	2.64	16	<10	340	0.6	<2	0.37	<0.5	13	74	34	3.63	10
CC70780		0.36	0.2	2.74	22	<10	300	0.7	<2	0.36	<0.5	12	75	36	3.48	10
CC70781		0.26	0.2	2.91	24	<10	310	0.9	<2	0.32	<0.5	16	69	41	3.72	10
CC70782		0.46	0.2	3.33	18	<10	460	0.8	<2	0.32	<0.5	17	117	50	4.38	10
CC70783		0.28	0.2	2.98	39	<10	380	0.9	<2	0.30	<0.5	16	87	53	4.14	10
CC70784		0.38	0.4	2.98	65	<10	340	0.7	<2	0.42	<0.5	17	97	57	4.06	10
CC70785		0.34	<0.2	2.28	23	<10	250	0.6	<2	0.32	<0.5	13	59	33	3.25	10
CC70786		0.24	0.2	2.74	33	<10	380	0.7	<2	0.38	<0.5	14	71	39	3.70	10
CC70787		0.34	0.2	2.83	164	<10	310	0.8	<2	0.34	<0.5	17	70	45	3.82	10
CC70788		0.30	0.4	2.93	402	<10	260	0.7	<2	0.28	<0.5	15	73	42	3.39	10
CC70789		0.34	0.2	2.66	40	<10	250	0.6	<2	0.26	<0.5	11	65	31	3.27	10
CC70790		0.38	<0.2	2.94	53	<10	380	0.7	<2	0.34	<0.5	14	70	39	3.72	10
CC70791		0.28	<0.2	2.53	33	<10	270	0.7	<2	0.28	<0.5	12	69	34	3.35	10



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	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
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
CC70752	1	0.68	<10	1.14	382	1	0.02	41	820	6	0.03	<2	11	24	<20	
CC70753	1	0.80	10	1.20	459	2	0.03	50	790	8	0.04	3	11	32	<20	
CC70754	1	0.68	10	1.15	1165	2	0.02	45	760	6	0.05	<2	11	31	<20	
CC70755	1	0.70	<10	1.10	444	2	0.02	40	810	5	0.03	2	10	25	<20	
CC70756	<1	0.51	10	0.98	736	2	0.02	36	900	6	0.06	<2	8	32	<20	
CC70757	1	0.64	10	1.01	316	2	0.03	44	870	5	0.02	2	10	30	<20	
CC70758	<1	0.43	10	0.93	336	2	0.01	36	870	5	0.04	<2	8	26	<20	
CC70759	<1	0.30	10	0.90	355	2	0.01	35	1040	7	0.12	2	6	33	<20	
CC70760	<1	0.70	<10	1.20	305	2	0.02	42	530	5	0.04	3	10	25	<20	
CC70761	<1	0.40	10	0.84	273	2	0.02	29	890	6	0.06	<2	6	26	<20	
CC70762	1	0.97	<10	1.43	477	2	0.04	42	1100	5	0.04	<2	12	47	<20	
CC70763	1	0.58	<10	1.26	324	1	0.03	32	1020	5	0.04	2	8	51	<20	
CC70764	1	0.64	<10	1.17	348	2	0.03	40	600	6	0.04	3	9	37	<20	
CC70765	<1	0.96	<10	1.51	329	1	0.03	37	1190	4	0.02	2	11	39	<20	
CC70766	1	0.87	<10	1.08	387	2	0.03	44	1090	7	0.05	<2	9	37	<20	
CC70767	1	0.94	<10	1.38	419	2	0.03	42	1420	4	0.01	<2	11	67	<20	
CC70768	1	0.91	<10	1.72	359	1	0.04	81	860	5	0.02	2	10	37	<20	
CC70769	1	0.60	<10	2.31	393	2	0.02	92	940	4	0.01	2	7	33	<20	
CC70770	1	0.55	<10	1.47	414	2	0.04	51	1130	7	0.03	<2	8	38	<20	
CC70771	<1	0.88	<10	1.60	430	1	0.08	43	1410	7	0.02	2	11	70	<20	
CC70772	1	0.47	10	1.06	555	2	0.02	45	1020	8	0.04	<2	9	30	<20	
CC70773	1	0.29	10	0.90	563	2	0.02	37	880	6	0.06	<2	7	33	<20	
CC70774	1	0.38	10	0.82	471	2	0.02	37	870	6	0.06	<2	7	34	<20	
CC70775	1	0.48	10	0.96	478	2	0.02	38	790	6	0.05	2	8	27	<20	
CC70776	<1	0.34	10	0.85	508	2	0.02	33	910	6	0.07	2	7	31	<20	
CC70777	1	0.42	10	0.88	503	2	0.02	32	900	5	0.05	2	7	24	<20	
CC70778	1	0.36	10	0.84	419	2	0.02	29	740	5	0.05	<2	6	31	<20	
CC70779	1	0.71	<10	1.06	417	2	0.03	34	850	4	0.02	2	9	28	<20	
CC70780	<1	0.55	10	1.08	367	2	0.02	33	890	7	0.04	<2	8	31	<20	
CC70781	<1	0.34	10	0.99	574	2	0.02	35	920	7	0.08	<2	7	35	<20	
CC70782	<1	0.84	<10	1.60	431	2	0.03	47	700	7	0.04	2	12	26	<20	
CC70783	1	0.66	<10	1.08	452	2	0.02	45	810	7	0.04	3	10	31	<20	
CC70784	1	0.60	10	1.26	473	2	0.02	53	990	7	0.05	3	9	39	<20	
CC70785	1	0.39	10	0.81	358	2	0.02	32	820	5	0.04	<2	7	26	<20	
CC70786	<1	0.60	<10	1.08	428	2	0.03	35	760	5	0.05	<2	8	34	<20	
CC70787	1	0.42	10	0.95	573	2	0.02	38	860	8	0.05	<2	7	32	<20	
CC70788	1	0.38	10	1.08	543	2	0.02	34	770	18	0.05	<2	7	29	<20	
CC70789	1	0.44	10	0.94	280	2	0.01	34	680	5	0.03	2	7	22	<20	
CC70790	<1	0.65	10	1.09	486	2	0.02	34	860	6	0.04	2	8	33	<20	
CC70791	1	0.57	10	0.89	395	1	0.02	35	820	4	0.02	<2	8	18	<20	



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CERTIFICATE OF ANALYSIS	VA09105727
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Sample Description	Method	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
	Analyte	Ti	Ti	U	V	W	Zn	Au
	Units LOR	%	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.001
CC70752		0.28	<10	<10	126	<10	93	0.018
CC70753		0.29	<10	<10	132	<10	100	0.022
CC70754		0.26	<10	<10	128	<10	90	0.020
CC70755		0.28	<10	<10	128	<10	86	0.010
CC70756		0.22	<10	<10	111	<10	85	0.014
CC70757		0.26	<10	<10	123	<10	86	0.034
CC70758		0.19	<10	<10	103	<10	80	0.089
CC70759		0.15	<10	<10	94	<10	67	0.032
CC70760		0.26	<10	<10	123	<10	91	0.349
CC70761		0.19	<10	<10	87	<10	64	0.006
CC70762		0.32	<10	<10	143	<10	98	0.008
CC70763		0.22	<10	<10	109	<10	79	0.035
CC70764		0.24	<10	<10	117	<10	90	0.181
CC70765		0.33	<10	<10	131	<10	99	0.005
CC70766		0.24	<10	<10	126	<10	83	0.039
CC70767		0.28	<10	<10	130	<10	92	0.036
CC70768		0.30	<10	<10	151	<10	94	0.007
CC70769		0.21	<10	<10	110	<10	71	0.013
CC70770		0.24	<10	<10	115	<10	75	0.004
CC70771		0.32	<10	<10	151	<10	93	0.008
CC70772		0.20	<10	<10	117	<10	92	0.055
CC70773		0.19	<10	<10	105	<10	79	0.005
CC70774		0.19	<10	<10	103	<10	77	0.004
CC70775		0.21	<10	<10	105	<10	80	0.014
CC70776		0.18	<10	<10	94	<10	77	0.027
CC70777		0.19	<10	<10	96	<10	74	0.013
CC70778		0.18	<10	<10	89	<10	72	0.004
CC70779		0.27	<10	<10	108	<10	86	0.001
CC70780		0.22	<10	<10	101	<10	80	0.020
CC70781		0.19	<10	<10	105	<10	77	0.008
CC70782		0.33	<10	<10	152	<10	103	0.008
CC70783		0.24	<10	<10	129	<10	91	0.006
CC70784		0.25	<10	<10	128	<10	88	0.029
CC70785		0.20	<10	<10	94	<10	74	0.004
CC70786		0.26	<10	<10	111	<10	86	0.009
CC70787		0.19	<10	<10	107	<10	83	0.024
CC70788		0.16	<10	<10	97	<10	91	0.177
CC70789		0.19	<10	<10	96	<10	75	0.006
CC70790		0.25	<10	<10	111	<10	84	0.013
CC70791		0.23	<10	<10	104	<10	77	0.006



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Sample Description	Method Analyte Units LOR	WEI-21	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
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC70792		0.38	0.2	3.10	65	<10	300	0.8	<2	0.32	<0.5	13	79	42	4.05	10
CC70793		0.40	0.3	3.14	100	<10	300	0.8	<2	0.30	<0.5	12	76	36	3.82	10
CC70794		0.38	<0.2	2.69	64	<10	260	0.6	<2	0.28	<0.5	14	63	36	3.39	10
CC70795		0.28	0.2	2.84	37	<10	270	0.6	<2	0.29	<0.5	14	64	41	3.76	10
CC70796		0.32	<0.2	2.53	56	<10	220	0.5	<2	0.25	<0.5	15	81	38	3.70	10
CC70797		0.26	0.2	2.58	44	<10	230	<0.5	<2	0.41	<0.5	13	65	34	2.94	10
CC70798		0.30	0.3	3.19	171	<10	310	0.7	<2	0.46	<0.5	16	71	46	4.09	10
CC70799		0.38	<0.2	2.09	22	<10	190	0.5	<2	0.26	<0.5	11	59	30	3.03	<10
CC70800		0.42	0.2	2.42	35	<10	230	0.7	<2	0.26	<0.5	13	63	35	3.31	<10
CC70801		0.32	0.2	2.53	100	<10	290	0.7	<2	0.29	<0.5	14	68	38	3.57	10
CC70802		0.12	0.2	2.01	32	<10	160	<0.5	<2	0.30	<0.5	12	37	33	2.92	<10
CC70803		0.26	<0.2	2.34	38	<10	240	0.6	<2	0.23	<0.5	11	64	29	3.21	10
CC70804		0.30	0.2	2.34	53	<10	220	0.6	<2	0.26	<0.5	12	55	31	3.05	10
CC70805		0.20	0.2	2.81	76	<10	450	0.5	<2	0.50	<0.5	14	38	31	3.77	10
CC70806		0.24	0.2	3.54	79	<10	510	1.2	<2	0.38	<0.5	18	80	53	4.65	10
CC70807		0.24	0.2	2.24	23	<10	200	0.5	<2	0.20	<0.5	9	59	24	2.82	10
CC70808		0.26	0.3	2.67	35	<10	290	0.8	<2	0.36	<0.5	13	64	32	3.37	10
CC70809		0.26	0.2	2.88	38	<10	330	0.8	<2	0.37	<0.5	15	67	36	3.59	10
CC70810		0.34	<0.2	2.24	20	<10	230	0.6	<2	0.33	<0.5	12	59	30	3.11	<10
CC70811		0.28	0.2	2.71	36	<10	270	0.6	<2	0.30	<0.5	14	66	35	3.49	10
CC70812		0.34	<0.2	2.49	25	<10	260	0.7	<2	0.29	<0.5	14	62	35	3.41	10
CC70813		0.30	<0.2	2.31	19	<10	220	0.6	<2	0.27	<0.5	11	58	34	3.30	10
CC70814		0.32	<0.2	2.46	26	<10	250	0.7	<2	0.19	<0.5	12	66	33	3.54	10
CC70815		0.26	<0.2	2.65	19	<10	270	0.7	<2	0.41	<0.5	19	77	42	3.78	10
CC70816		0.26	0.3	2.84	17	<10	290	0.9	<2	0.32	<0.5	16	73	48	3.81	10
CC70817		0.42	<0.2	2.77	26	<10	250	0.7	<2	0.24	<0.5	11	69	35	3.42	10
CC70818		0.26	<0.2	2.57	32	<10	220	0.7	<2	0.21	<0.5	11	64	34	3.38	10
CC70819		0.36	<0.2	2.57	34	<10	240	0.7	<2	0.19	<0.5	11	67	30	3.47	10
CC70820		0.42	<0.2	2.38	20	<10	200	0.7	<2	0.21	<0.5	10	59	35	3.26	10
CC70821		0.40	<0.2	2.52	24	<10	230	0.6	<2	0.31	<0.5	10	64	33	3.17	10
CC70822		0.38	<0.2	2.92	46	<10	240	0.7	<2	0.20	<0.5	10	74	40	3.80	10
CC70823		0.30	<0.2	2.24	24	<10	200	0.6	<2	0.23	<0.5	10	61	33	3.23	10
CC70824		0.28	0.2	3.15	33	<10	260	0.9	<2	0.27	<0.5	17	71	46	4.08	10
CC70825		0.32	<0.2	2.84	23	<10	240	0.7	<2	0.32	<0.5	16	68	47	3.94	10
CC70827		0.26	<0.2	2.54	18	<10	210	0.7	<2	0.26	<0.5	14	65	39	3.58	10
CC70828		0.26	<0.2	2.74	16	<10	190	0.7	<2	0.34	<0.5	18	72	64	3.91	10
CC70829		0.34	<0.2	2.99	11	<10	200	0.7	<2	0.45	<0.5	16	65	53	3.93	10
CC70830		0.40	<0.2	2.61	20	<10	270	0.5	<2	0.48	<0.5	15	53	46	3.62	10
CC70831		0.32	<0.2	2.82	17	<10	310	0.7	<2	0.48	<0.5	14	59	38	3.49	10
CC70832		0.40	<0.2	2.62	14	<10	240	0.6	<2	0.37	<0.5	13	56	37	3.49	10



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CERTIFICATE OF ANALYSIS VA09105727

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	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC70792		1	0.62	<10	1.02	267	2	0.02	39	990	7	0.05	<2	9	35	<20
CC70793		1	0.56	<10	1.02	313	2	0.02	38	930	7	0.04	2	9	30	<20
CC70794		1	0.49	10	0.92	468	1	0.02	33	760	5	0.02	2	8	24	<20
CC70795		1	0.56	<10	1.07	405	2	0.03	35	570	8	0.04	3	8	30	<20
CC70796		<1	0.37	<10	0.98	483	2	0.02	35	500	9	0.03	<2	7	30	<20
CC70797		<1	0.31	10	0.87	331	2	0.04	29	870	6	0.05	<2	5	35	<20
CC70798		<1	0.59	10	1.15	461	2	0.04	42	900	7	0.03	3	9	57	<20
CC70799		<1	0.41	10	0.75	380	2	0.01	31	700	6	0.02	<2	7	19	<20
CC70800		1	0.45	10	0.81	466	2	0.01	34	670	5	0.02	<2	8	20	<20
CC70801		<1	0.53	<10	0.86	529	1	0.01	36	770	6	0.03	<2	9	21	<20
CC70802		1	0.23	<10	0.71	373	2	0.02	21	880	6	0.08	2	3	25	<20
CC70803		1	0.45	<10	0.83	380	2	0.01	33	500	6	0.03	<2	8	22	<20
CC70804		<1	0.43	<10	0.85	367	2	0.01	29	640	5	0.02	<2	7	19	<20
CC70805		1	0.60	10	1.14	444	2	0.03	20	1230	6	0.04	<2	7	53	<20
CC70806		1	0.50	10	0.99	874	2	0.02	48	1220	9	0.11	5	10	45	<20
CC70807		1	0.38	<10	0.79	307	2	0.01	28	560	5	0.05	<2	7	20	<20
CC70808		1	0.38	10	0.86	727	2	0.02	32	950	7	0.09	<2	7	35	<20
CC70809		<1	0.80	<10	0.96	455	2	0.03	34	750	6	0.05	<2	8	32	<20
CC70810		1	0.45	10	0.80	417	1	0.02	31	870	4	0.02	<2	7	22	<20
CC70811		1	0.47	10	0.97	397	2	0.02	33	760	6	0.04	<2	8	27	<20
CC70812		1	0.45	10	0.86	451	2	0.02	35	640	6	0.05	<2	7	26	<20
CC70813		<1	0.38	10	0.79	411	1	0.02	33	710	4	0.04	<2	6	24	<20
CC70814		<1	0.49	<10	0.86	442	1	0.02	36	520	3	0.05	3	8	21	<20
CC70815		<1	0.45	<10	1.04	670	1	0.03	45	1060	5	0.06	<2	8	34	<20
CC70816		<1	0.48	10	0.96	536	1	0.03	41	920	5	0.08	<2	7	30	<20
CC70817		<1	0.51	10	0.83	313	<1	0.02	37	830	3	0.03	<2	9	18	<20
CC70818		1	0.45	10	0.78	434	1	0.02	36	770	3	0.04	<2	8	16	<20
CC70819		<1	0.48	<10	0.77	440	1	0.02	35	600	<2	0.04	<2	8	19	<20
CC70820		<1	0.39	10	0.75	408	<1	0.02	34	590	3	0.04	<2	7	18	<20
CC70821		<1	0.55	10	0.82	270	<1	0.02	35	940	4	0.03	<2	9	19	<20
CC70822		<1	0.52	10	0.88	316	1	0.02	41	820	4	0.04	<2	9	17	<20
CC70823		<1	0.42	<10	0.76	356	1	0.02	34	500	2	0.06	<2	7	24	<20
CC70824		<1	0.42	10	0.94	664	1	0.03	44	830	5	0.06	<2	8	32	<20
CC70825		1	0.26	10	0.94	630	1	0.02	46	940	4	0.09	2	6	31	<20
CC70827		<1	0.36	10	0.84	510	1	0.02	41	660	3	0.04	<2	7	22	<20
CC70828		<1	0.50	10	0.96	640	1	0.02	46	960	4	0.03	2	9	24	<20
CC70829		<1	0.46	10	1.00	624	1	0.03	40	1270	3	0.03	<2	9	44	<20
CC70830		<1	0.46	10	1.01	452	1	0.05	36	1390	5	0.04	<2	7	36	<20
CC70831		<1	0.57	<10	0.99	418	1	0.05	29	1060	<2	0.03	<2	8	40	<20
CC70832		<1	0.42	10	0.90	493	1	0.03	38	910	2	0.04	<2	7	26	<20



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.001
CC70792		0.24	<10	<10	123	<10	79	0.010
CC70793		0.23	<10	<10	112	<10	93	0.086
CC70794		0.22	<10	<10	99	<10	79	0.022
CC70795		0.24	<10	<10	109	<10	85	0.009
CC70796		0.20	<10	<10	101	<10	86	0.006
CC70797		0.18	<10	<10	84	<10	82	0.134
CC70798		0.22	<10	<10	118	<10	95	0.041
CC70799		0.19	<10	<10	88	<10	89	0.010
CC70800		0.21	<10	<10	95	<10	77	0.012
CC70801		0.22	<10	<10	103	<10	99	0.029
CC70802		0.17	<10	<10	71	<10	71	0.002
CC70803		0.21	<10	<10	97	<10	75	0.015
CC70804		0.21	<10	<10	86	<10	71	0.056
CC70805		0.30	<10	<10	79	<10	86	0.010
CC70806		0.22	<10	<10	133	<10	94	0.008
CC70807		0.19	<10	<10	88	<10	67	0.007
CC70808		0.18	<10	<10	98	<10	78	0.005
CC70809		0.24	<10	<10	102	<10	85	0.004
CC70810		0.20	<10	<10	91	<10	73	0.003
CC70811		0.21	<10	<10	99	<10	80	0.007
CC70812		0.20	<10	<10	97	<10	76	0.005
CC70813		0.19	<10	<10	90	<10	72	0.008
CC70814		0.22	<10	<10	101	<10	73	0.009
CC70815		0.21	<10	<10	106	<10	91	0.002
CC70816		0.20	<10	<10	107	<10	76	0.008
CC70817		0.23	<10	<10	98	<10	81	0.039
CC70818		0.20	<10	<10	93	<10	73	0.010
CC70819		0.22	<10	<10	98	<10	76	0.011
CC70820		0.20	<10	<10	89	<10	69	0.005
CC70821		0.23	<10	<10	94	<10	73	0.294
CC70822		0.20	<10	<10	105	<10	90	0.028
CC70823		0.20	<10	<10	93	<10	70	0.004
CC70824		0.21	<10	<10	108	<10	85	0.014
CC70825		0.17	<10	<10	99	<10	83	0.004
CC70827		0.21	<10	<10	99	<10	78	0.015
CC70828		0.24	<10	<10	107	<10	89	0.002
CC70829		0.23	<10	<10	103	<10	92	0.005
CC70830		0.22	<10	<10	84	<10	96	0.018
CC70831		0.26	<10	<10	96	<10	78	0.003
CC70832		0.22	<10	<10	90	<10	80	0.002



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Units		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC70833		0.38	<0.2	2.50	11	<10	200	0.6	<2	0.25	<0.5	13	58	36	3.39	10
CC70834		0.34	<0.2	2.98	15	<10	290	0.6	<2	0.38	<0.5	16	68	46	4.02	10
CC70835		0.30	<0.2	2.20	16	<10	190	0.6	<2	0.27	<0.5	12	56	33	3.50	10
CC70836		0.26	<0.2	2.34	13	<10	230	0.6	<2	0.46	<0.5	14	59	40	3.45	10
CC70837		0.34	0.2	2.42	16	<10	220	0.6	<2	0.31	<0.5	14	58	36	3.51	10
CC70838		0.40	<0.2	2.54	10	<10	250	0.6	<2	0.31	<0.5	13	62	33	3.42	10
CC70839		0.28	<0.2	2.55	13	<10	230	0.7	<2	0.22	<0.5	14	62	35	3.37	10
CC70840		0.32	<0.2	2.93	14	<10	300	0.8	<2	0.27	<0.5	16	70	42	3.90	10
CC70841		0.34	<0.2	3.00	39	<10	280	0.5	<2	0.41	<0.5	16	87	46	4.09	10
CC70842		0.28	<0.2	2.54	34	<10	240	0.6	<2	0.30	<0.5	14	63	34	3.52	10
CC70843		0.32	<0.2	2.78	20	<10	300	0.7	<2	0.38	<0.5	14	71	39	3.75	10
CC70851		0.42	<0.2	2.35	27	<10	210	0.7	<2	0.21	<0.5	12	61	35	3.51	10
CC70852		0.32	<0.2	2.86	84	<10	290	0.8	<2	0.19	<0.5	14	74	35	3.78	10
CC70853		0.32	<0.2	2.39	46	<10	220	0.7	<2	0.30	<0.5	12	63	34	3.55	10
CC70854		0.34	<0.2	2.37	37	<10	220	0.6	<2	0.27	<0.5	11	61	29	3.36	10
CC70855		0.32	<0.2	2.91	145	<10	290	0.9	<2	0.33	<0.5	14	71	42	3.92	10
CC70856		0.36	<0.2	2.83	60	<10	230	0.8	<2	0.23	<0.5	14	67	40	3.95	10
CC70857		0.32	<0.2	2.38	30	<10	230	0.6	<2	0.30	<0.5	11	63	35	3.32	10
CC70858		0.34	<0.2	2.66	29	<10	250	0.7	<2	0.24	<0.5	13	67	33	3.64	10
CC70859		0.50	0.3	3.32	56	<10	340	0.8	<2	0.40	<0.5	15	81	44	3.93	10
CC70860		0.38	<0.2	3.06	13	<10	320	0.6	<2	0.38	<0.5	14	70	35	3.55	10
CC70861		0.42	<0.2	3.28	12	<10	290	0.8	<2	0.40	<0.5	13	74	43	3.69	10
CC70862		0.36	<0.2	2.96	20	<10	290	0.6	<2	0.45	<0.5	15	57	36	3.89	10
CC70863		0.26	<0.2	2.91	25	<10	260	0.9	<2	0.24	<0.5	17	68	46	4.23	10
CC70864		0.26	<0.2	2.67	10	<10	300	0.6	<2	0.46	<0.5	16	72	41	3.66	10
CC70865		0.28	<0.2	2.84	16	<10	260	0.7	<2	0.34	<0.5	15	61	42	3.83	10
CC70866		0.42	<0.2	3.24	16	<10	310	0.8	<2	0.35	<0.5	12	79	42	3.87	10
CC70867		0.26	<0.2	2.99	21	<10	300	0.8	<2	0.35	<0.5	16	75	42	3.91	10
CC70868		0.36	<0.2	2.83	12	<10	290	0.7	<2	0.40	<0.5	14	79	39	3.67	10
CC70869		0.42	0.2	3.30	17	<10	300	1.0	<2	0.36	<0.5	18	83	53	4.24	10
CC70870		0.38	<0.2	2.96	16	<10	300	0.8	<2	0.36	<0.5	16	74	43	3.93	10
CC70871		0.24	<0.2	2.51	10	<10	230	0.7	<2	0.37	<0.5	13	63	43	3.38	10
CC70872		0.32	<0.2	2.28	12	<10	220	0.6	<2	0.37	<0.5	15	68	38	3.62	10
CC70873		0.40	<0.2	2.66	12	<10	250	0.7	<2	0.43	<0.5	14	73	40	3.57	10
CC70874		0.38	<0.2	3.17	17	<10	330	0.9	<2	0.33	<0.5	17	89	51	4.25	10
CC70875		0.26	0.2	2.50	17	<10	230	0.6	<2	0.41	<0.5	15	61	40	3.57	10
CC70876		0.32	<0.2	2.45	32	<10	210	0.6	<2	0.31	<0.5	13	65	41	3.63	10
CC70877		0.36	<0.2	2.44	23	<10	230	0.6	<2	0.33	<0.5	13	63	35	3.48	10
CC70878		0.44	0.2	2.56	28	<10	260	0.6	<2	0.35	<0.5	13	72	36	3.60	10
CC55294		0.34	<0.2	2.92	64	<10	360	0.6	<2	0.36	<0.5	16	93	37	4.01	10



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CERTIFICATE OF ANALYSIS VA09105727

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	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
Units		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
LOR		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC70833	<1	0.45	<10	0.84	399	1	0.03	35	600	3	0.04	2	7	22	<20	
CC70834	<1	0.47	<10	1.03	588	1	0.03	40	880	3	0.07	<2	8	34	<20	
CC70835	<1	0.22	10	0.76	469	1	0.02	35	690	4	0.07	<2	6	26	<20	
CC70836	<1	0.44	10	0.89	494	1	0.04	37	1240	2	0.03	<2	7	32	<20	
CC70837	<1	0.32	10	0.82	493	1	0.03	36	700	3	0.05	<2	7	26	<20	
CC70838	<1	0.44	<10	0.88	365	1	0.03	35	760	2	0.04	<2	8	24	<20	
CC70839	<1	0.37	10	0.77	584	1	0.02	36	650	3	0.05	<2	7	20	<20	
CC70840	<1	0.47	10	0.95	592	1	0.03	41	750	6	0.07	<2	8	27	<20	
CC70841	<1	0.58	<10	1.23	509	1	0.03	47	710	3	0.04	2	9	41	<20	
CC70842	<1	0.40	10	0.90	471	<1	0.03	41	710	3	0.04	2	7	27	<20	
CC70843	<1	0.46	10	0.85	580	1	0.03	40	810	4	0.05	<2	8	30	<20	
CC70851	<1	0.37	10	0.76	468	1	0.02	38	590	5	0.05	<2	7	21	<20	
CC70852	<1	0.57	<10	0.88	540	<1	0.02	40	690	3	0.04	<2	9	18	<20	
CC70853	<1	0.41	<10	0.80	493	1	0.02	38	740	3	0.04	<2	8	25	<20	
CC70854	<1	0.43	10	0.76	419	1	0.02	34	710	<2	0.03	<2	7	22	<20	
CC70855	<1	0.43	10	0.85	643	<1	0.02	41	940	5	0.08	<2	7	36	<20	
CC70856	<1	0.36	10	0.85	559	1	0.02	41	630	6	0.05	<2	7	23	<20	
CC70857	<1	0.51	10	0.76	461	1	0.01	35	940	2	0.01	<2	8	21	<20	
CC70858	<1	0.46	10	0.85	494	1	0.01	38	580	4	0.02	2	8	23	<20	
CC70859	<1	0.55	10	1.11	405	1	0.03	40	970	4	0.02	<2	9	42	<20	
CC70860	<1	0.53	10	1.20	329	<1	0.03	35	980	2	0.03	<2	8	33	<20	
CC70861	<1	0.55	10	1.11	495	1	0.03	37	960	4	0.04	<2	8	42	<20	
CC70862	<1	0.49	10	1.11	440	1	0.05	30	770	4	0.04	2	7	45	<20	
CC70863	<1	0.37	10	0.89	654	2	0.01	43	940	5	0.07	<2	6	27	<20	
CC70864	<1	0.48	10	1.06	469	1	0.04	35	840	3	0.04	<2	7	44	<20	
CC70865	<1	0.39	10	0.97	543	1	0.02	35	960	4	0.05	<2	7	36	<20	
CC70866	<1	0.60	<10	1.14	375	1	0.03	38	960	3	0.03	<2	8	31	<20	
CC70867	<1	0.49	10	1.07	561	1	0.03	40	740	4	0.04	<2	8	40	<20	
CC70868	<1	0.57	<10	1.12	448	1	0.03	42	930	2	0.02	<2	8	38	<20	
CC70869	1	0.57	10	1.16	616	1	0.03	45	1020	2	0.05	<2	9	42	<20	
CC70870	<1	0.48	10	1.01	563	1	0.02	42	920	5	0.04	<2	8	35	<20	
CC70871	<1	0.30	10	0.87	499	1	0.02	34	960	3	0.08	<2	6	41	<20	
CC70872	<1	0.37	10	0.91	511	1	0.02	37	840	3	0.03	<2	7	29	<20	
CC70873	<1	0.50	<10	0.99	506	1	0.03	36	860	3	0.03	<2	8	37	<20	
CC70874	<1	0.63	10	1.15	581	1	0.02	47	970	2	0.02	<2	10	28	<20	
CC70875	<1	0.26	10	0.85	619	1	0.01	35	960	5	0.08	<2	6	35	<20	
CC70876	<1	0.30	10	0.87	486	1	0.01	37	850	4	0.04	<2	7	26	<20	
CC70877	<1	0.36	10	0.87	529	1	0.02	34	770	2	0.05	<2	7	28	<20	
CC70878	<1	0.48	10	0.94	436	1	0.02	42	870	<2	0.02	<2	8	26	<20	
CC55294	<1	0.62	<10	1.18	441	1	0.02	41	900	3	0.02	<2	10	28	<20	



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Project: Kluane

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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.001
CC70833		0.21	<10	<10	93	<10	70	0.005
CC70834		0.24	<10	<10	105	<10	90	0.003
CC70835		0.17	<10	<10	92	<10	74	0.002
CC70836		0.22	<10	<10	92	<10	85	0.003
CC70837		0.20	<10	<10	92	<10	76	0.007
CC70838		0.22	<10	<10	95	<10	78	0.003
CC70839		0.20	<10	<10	93	<10	71	0.004
CC70840		0.23	<10	<10	105	<10	83	0.008
CC70841		0.27	<10	<10	118	<10	95	0.005
CC70842		0.20	<10	<10	94	<10	76	0.013
CC70843		0.22	<10	<10	105	<10	84	0.008
CC70851		0.19	<10	<10	94	<10	75	0.008
CC70852		0.24	<10	<10	109	<10	85	0.140
CC70853		0.21	<10	<10	97	<10	80	0.015
CC70854		0.20	<10	<10	92	<10	73	0.014
CC70855		0.18	<10	<10	105	<10	83	0.051
CC70856		0.20	<10	<10	103	<10	89	0.005
CC70857		0.22	<10	<10	98	<10	73	0.184
CC70858		0.22	<10	<10	101	<10	84	0.005
CC70859		0.24	<10	<10	113	<10	90	0.011
CC70860		0.25	<10	<10	93	<10	79	0.004
CC70861		0.24	<10	<10	101	<10	77	0.008
CC70862		0.27	<10	<10	97	<10	85	0.004
CC70863		0.19	<10	<10	106	<10	87	0.006
CC70864		0.25	<10	<10	97	<10	78	0.004
CC70865		0.22	<10	<10	100	<10	84	0.054
CC70866		0.28	<10	<10	107	<10	81	0.004
CC70867		0.23	<10	<10	104	<10	85	0.010
CC70868		0.26	<10	<10	101	<10	79	0.001
CC70869		0.26	<10	<10	116	<10	94	0.005
CC70870		0.24	<10	<10	108	<10	83	0.003
CC70871		0.17	<10	<10	89	<10	72	0.002
CC70872		0.21	<10	<10	99	<10	78	0.014
CC70873		0.24	<10	<10	102	<10	81	0.001
CC70874		0.28	<10	<10	124	<10	95	0.004
CC70875		0.17	<10	<10	92	<10	79	0.002
CC70876		0.18	<10	<10	97	<10	79	0.005
CC70877		0.20	<10	<10	95	<10	77	0.014
CC70878		0.23	<10	<10	103	<10	80	0.025
CC55294		0.28	<10	<10	126	<10	92	0.009



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	WEI-21	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	
		Recvd Wt. kg	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm
		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
CC55295		0.38	<0.2	3.72	131	<10	670	0.8	<2	0.73	<0.5	20	73	42	4.39	10
CC55296		0.30	<0.2	3.50	55	<10	400	1.0	<2	0.30	<0.5	20	96	50	4.66	10
CC55297		0.26	<0.2	3.39	49	<10	420	0.9	<2	0.29	<0.5	20	100	39	4.60	10
CC55298		0.28	<0.2	3.07	68	<10	320	0.7	<2	0.37	<0.5	13	87	38	3.82	10
CC55299		0.42	<0.2	2.93	72	<10	330	0.6	<2	0.35	<0.5	14	84	37	3.71	10
CC55300		0.46	0.2	2.71	49	<10	270	0.6	<2	0.37	<0.5	12	71	38	3.31	10



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	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	
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
CC55295		1	0.65	<10	1.41	535	1	0.05	36	1470	3	0.01	<2	10	145	<20
CC55296		<1	0.39	10	1.21	588	1	0.02	51	730	4	0.05	<2	10	34	<20
CC55297		<1	0.68	<10	1.20	648	1	0.02	48	680	5	0.04	<2	10	29	<20
CC55298		<1	0.63	10	1.13	328	1	0.02	43	910	2	0.01	<2	9	30	<20
CC55299		<1	0.56	10	1.10	336	1	0.02	38	970	3	0.04	<2	9	28	<20
CC55300		1	0.45	10	0.99	342	<1	0.01	37	1020	2	0.03	<2	7	30	<20



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CERTIFICATE OF ANALYSIS VA09105727

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21
		Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm
		0.01	10	10	1	10	2	0.001
CC55295		0.28	<10	<10	127	<10	103	0.010
CC55296		0.27	<10	<10	139	<10	103	0.008
CC55297		0.31	<10	<10	145	<10	100	0.009
CC55298		0.26	<10	<10	116	<10	90	0.028
CC55299		0.23	<10	<10	109	<10	88	0.038
CC55300		0.22	<10	<10	97	<10	76	0.010



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CERTIFICATE VA09105680

Project: Kluane

P.O. No.:

This report is for 56 Rock samples submitted to our lab in Vancouver, BC, Canada on 22-SEP-2009.

The following have access to data associated with this certificate:

JOAN MARIACHER

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-31	Pulverize split to 85% <75 um
LOG-21d	Sample logging - ClientBarCode Dup
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
LOG-21	Sample logging - ClientBarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM

To: ROCKHAVEN RESOURCES LTD.
 ATTN: JOAN MARIACHER
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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.

Signature:



Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS VA09105680

Sample Description	Method	WEI-21	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	Recvd Wt.	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Units		kg	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
LOR		0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
H886371		1.88	<0.2	2.73	144	<10	240	<0.5	<2	0.19	<0.5	16	109	42	4.54	10
H886372		1.32	<0.2	2.81	137	<10	260	0.5	2	0.19	<0.5	17	110	43	4.62	10
H886373		0.48	4.1	0.51	>10000	<10	40	<0.5	12	0.19	<0.5	3	21	9	2.29	<10
H886374		0.26	0.7	2.50	6030	<10	100	1.3	4	0.36	0.8	21	44	92	4.64	<10
H886375		1.56	1.6	1.09	5590	<10	50	<0.5	7	0.12	<0.5	6	33	13	2.40	<10
H886376		0.36	0.4	2.16	2110	<10	120	1.1	3	0.28	1.0	21	44	118	4.94	<10
H886377		2.24	0.2	2.92	444	<10	120	0.5	<2	0.19	<0.5	17	105	44	4.91	10
H886378		0.16	3.2	0.39	>10000	<10	30	<0.5	17	0.06	<0.5	3	14	6	2.90	<10
H886379		1.54	<0.2	2.57	550	<10	90	<0.5	3	0.23	0.5	16	88	43	4.50	10
H886380		0.98	0.8	2.44	3330	<10	90	1.2	3	0.36	1.3	3	56	72	6.64	10
H886381		1.72	0.4	1.76	5680	<10	70	<0.5	2	0.15	1.6	6	54	20	3.65	<10
H886382		0.20	3.9	0.19	>10000	<10	10	<0.5	6	0.04	0.8	2	10	8	2.84	<10
H886383		1.24	0.7	2.48	3860	<10	90	<0.5	<2	0.22	1.5	13	85	45	4.91	10
H886384		1.82	0.3	2.14	3100	<10	60	<0.5	2	0.21	4.8	23	66	60	3.74	10
H886385		2.18	0.2	2.32	1650	<10	90	<0.5	<2	0.16	0.9	6	83	38	3.98	10
H886386		0.22	2.6	1.94	7340	<10	100	<0.5	5	0.22	2.3	4	59	37	3.68	<10
H886387		0.62	12.8	0.37	>10000	<10	30	<0.5	6	0.03	0.5	1	21	7	1.54	<10
H886388		1.14	0.5	2.19	1950	<10	110	<0.5	<2	0.20	<0.5	7	79	22	3.45	10
H886389		0.74	0.3	0.16	287	<10	10	<0.5	<2	0.02	<0.5	1	19	21	0.75	<10
H886390		0.32	0.4	0.14	425	<10	20	<0.5	<2	0.02	<0.5	1	16	39	0.84	<10
H886391		0.20	<0.2	3.98	94	<10	660	0.5	<2	3.22	0.5	6	78	11	1.94	<10
H886392		0.98	<0.2	0.58	25	<10	30	0.5	<2	0.02	<0.5	1	3	4	0.61	<10
H886393		0.62	<0.2	0.55	10	<10	30	0.5	<2	0.05	<0.5	<1	7	1	0.97	<10
H886394		1.96	0.2	0.37	23	<10	70	<0.5	<2	0.01	<0.5	1	13	1	0.65	<10
H886395		2.44	0.2	3.48	1090	<10	330	<0.5	<2	1.01	<0.5	16	137	100	4.82	10
H886396		1.70	1.0	3.05	872	<10	200	<0.5	<2	1.50	0.5	13	45	158	3.88	10
H886397		0.82	2.8	0.35	>10000	<10	30	<0.5	25	0.05	<0.5	42	8	6	19.3	<10
H886398		1.52	0.2	4.86	4150	<10	400	<0.5	2	1.84	<0.5	14	59	51	4.29	10
H886399		0.38	3.5	0.19	>10000	<10	10	<0.5	25	0.02	<0.5	11	8	274	14.4	<10
H886400		1.60	5.4	3.10	4680	<10	400	<0.5	<2	0.39	0.7	9	34	316	4.85	10
H886407		2.06	<0.2	2.84	559	<10	260	<0.5	<2	0.18	<0.5	13	114	38	4.56	10
H886408		1.56	2.3	3.47	8170	<10	140	0.5	22	0.73	5.8	16	59	72	5.33	10
H886409		0.52	7.3	0.42	>10000	<10	30	<0.5	11	0.10	<0.5	4	22	2	2.04	<10
H886410		1.14	1.1	2.78	>10000	<10	80	0.7	10	0.40	<0.5	13	32	9	4.98	10
H886411		1.72	<0.2	3.33	518	<10	140	0.6	3	0.26	<0.5	19	100	54	5.50	10
H886412		2.18	<0.2	5.26	657	<10	260	0.6	<2	1.37	<0.5	16	47	49	4.91	10
H886413		2.08	<0.2	6.07	171	<10	370	0.6	2	2.23	<0.5	16	31	28	4.40	10
H886414		2.12	<0.2	3.01	617	<10	120	0.5	2	0.28	<0.5	15	73	26	4.73	10
H886415		1.06	0.3	2.60	2240	<10	110	0.6	3	0.32	0.5	15	54	49	4.91	10
H886416		1.78	<0.2	3.52	190	<10	300	<0.5	<2	1.64	1.9	18	68	24	5.63	10



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CERTIFICATE OF ANALYSIS VA09105680

Sample Description	Method Analyte Units LOR	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
		Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm
H886371	1	0.48	10	1.30	613	<1	0.04	50	780	5	0.09	2	9	11	<20
H886372	1	0.52	10	1.31	627	1	0.05	50	790	4	0.09	<2	9	12	<20
H886373	<1	0.12	<10	0.21	138	<1	0.01	10	680	10	0.54	7	1	39	<20
H886374	<1	0.29	10	0.93	513	1	0.02	73	600	13	0.05	16	5	78	<20
H886375	<1	0.15	<10	0.62	255	<1	0.02	17	350	11	0.09	4	3	25	<20
H886376	1	0.26	20	0.78	496	1	0.02	98	720	16	0.03	10	4	48	<20
H886377	1	0.25	10	1.44	670	<1	0.03	55	800	8	0.06	10	7	11	<20
H886378	<1	0.10	<10	0.15	143	<1	0.01	6	110	11	0.97	8	1	18	<20
H886379	<1	0.19	10	1.31	642	1	0.01	43	1050	4	0.06	<2	6	17	<20
H886380	1	0.27	10	0.80	192	1	0.06	31	1230	20	0.52	12	6	638	<20
H886381	1	0.19	10	0.88	356	<1	0.04	30	620	19	0.20	6	4	36	<20
H886382	<1	0.04	<10	0.05	110	1	0.01	5	90	48	0.86	7	<1	20	<20
H886383	<1	0.21	10	1.27	642	<1	0.04	46	980	9	0.09	8	6	37	<20
H886384	1	0.21	10	1.08	973	<1	0.04	81	830	13	0.04	6	5	25	<20
H886385	1	0.25	10	1.14	465	<1	0.04	31	820	7	0.08	11	5	24	<20
H886386	<1	0.29	10	0.85	343	<1	0.05	25	500	16	0.29	8	4	84	<20
H886387	<1	0.09	<10	0.14	79	<1	0.01	4	90	31	0.34	4	1	17	<20
H886388	1	0.22	10	1.09	415	<1	0.04	27	770	10	0.07	<2	5	28	<20
H886389	<1	0.03	<10	0.02	59	<1	0.01	2	30	6	0.01	2	<1	3	<20
H886390	<1	0.05	<10	0.03	77	<1	<0.01	2	30	3	0.03	3	<1	3	<20
H886391	<1	0.43	<10	0.18	247	<1	0.06	48	760	3	0.02	<2	5	1655	<20
H886392	<1	0.18	20	0.01	32	1	0.09	1	60	8	<0.01	<2	1	4	<20
H886393	<1	0.16	10	0.01	33	1	0.09	1	40	10	0.01	<2	1	14	<20
H886394	<1	0.20	<10	<0.01	34	1	0.10	1	20	18	0.18	<2	1	5	<20
H886395	1	1.05	10	1.96	478	<1	0.16	60	780	2	0.39	<2	16	90	<20
H886396	1	0.38	10	1.30	528	<1	0.19	28	940	5	0.35	<2	11	137	<20
H886397	1	0.06	<10	0.16	49	2	0.03	15	110	26	8.96	41	1	4	<20
H886398	<1	1.10	10	1.69	536	<1	0.34	32	940	<2	0.32	3	13	240	<20
H886399	<1	0.03	<10	0.06	24	1	0.02	1	70	9	6.28	28	1	3	<20
H886400	<1	1.27	<10	1.83	524	<1	0.14	15	720	<2	0.26	<2	17	37	<20
H886407	<1	0.55	10	1.33	538	<1	0.04	51	700	6	0.04	<2	10	12	<20
H886408	1	0.28	10	1.53	681	<1	0.14	44	1120	23	0.11	6	8	79	<20
H886409	<1	0.08	<10	0.19	130	<1	0.02	7	270	12	0.51	9	1	15	<20
H886410	1	0.30	<10	1.80	649	<1	0.04	24	970	10	0.51	9	7	46	<20
H886411	<1	0.32	20	1.55	836	1	0.02	59	1000	2	<0.01	2	9	15	<20
H886412	1	0.38	10	1.86	759	<1	0.37	46	1280	4	0.06	2	15	137	<20
H886413	1	0.52	<10	1.70	571	<1	0.54	28	1260	6	0.07	<2	15	221	<20
H886414	1	0.27	10	1.44	672	<1	0.05	46	1010	8	0.02	5	8	17	<20
H886415	<1	0.23	20	1.23	720	1	0.03	45	1280	14	0.04	8	6	35	<20
H886416	1	0.37	20	2.18	805	<1	0.10	22	3290	3	0.12	<2	11	95	<20



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ROCKHAVEN RESOURCES LTD.
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VANCOUVER BC V6B 1L8

Project: Kluane

Page: 2 - C
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Finalized Date: 11-OCT-2009
Account: ROCKHA

CERTIFICATE OF ANALYSIS VA09105680

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21	Au-ICP21
		Ti	Ti	U	V	W	Zn	Au	Au
		%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.01	10	10	1	10	2	0.001	0.05
H886371		0.10	<10	<10	132	<10	98	0.023	
H886372		0.11	<10	<10	136	<10	98	0.105	
H886373		<0.01	<10	<10	14	10	24	>10.0	25.6
H886374		<0.01	<10	<10	57	<10	144	3.46	
H886375		<0.01	<10	<10	34	<10	43	7.28	
H886376		<0.01	<10	<10	51	<10	159	0.892	
H886377		0.02	<10	<10	125	<10	114	0.116	
H886378		<0.01	<10	<10	10	30	14	>10.0	18.35
H886379		0.02	<10	<10	100	<10	121	0.143	
H886380		<0.01	<10	<10	68	<10	113	0.330	
H886381		<0.01	<10	<10	56	<10	95	1.050	
H886382		<0.01	<10	<10	5	<10	13	>10.0	31.5
H886383		0.01	<10	<10	99	<10	126	2.38	
H886384		0.01	<10	<10	68	<10	289	0.345	
H886385		0.01	<10	<10	87	<10	121	0.166	
H886386		<0.01	<10	<10	58	<10	91	2.04	
H886387		<0.01	<10	<10	11	<10	19	>10.0	38.4
H886388		0.02	<10	<10	84	<10	77	2.05	
H886389		<0.01	<10	<10	3	<10	3	0.514	
H886390		<0.01	<10	<10	6	<10	4	0.437	
H886391		0.14	<10	<10	43	<10	89	0.016	
H886392		<0.01	<10	<10	2	<10	18	0.004	
H886393		<0.01	<10	<10	1	<10	19	0.006	
H886394		<0.01	<10	<10	1	<10	22	0.149	
H886395		0.26	<10	<10	175	20	83	0.040	
H886396		0.14	<10	<10	131	10	73	0.026	
H886397		<0.01	<10	<10	15	570	6	3.76	
H886398		0.24	<10	<10	157	60	71	0.131	
H886399		<0.01	<10	<10	10	130	6	6.24	
H886400		0.25	<10	<10	167	10	86	0.080	
H886407		0.12	<10	<10	139	<10	102	0.029	
H886408		0.02	<10	<10	96	<10	242	3.21	
H886409		<0.01	<10	<10	13	30	11	>10.0	36.5
H886410		0.01	<10	<10	92	70	88	6.34	
H886411		0.04	<10	<10	141	<10	123	0.188	
H886412		0.06	<10	<10	97	10	124	0.113	
H886413		0.11	<10	<10	85	<10	110	0.024	
H886414		0.02	<10	<10	104	<10	100	0.122	
H886415		0.01	<10	<10	69	<10	117	0.761	
H886416		0.11	<10	<10	102	<10	183	0.041	



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Project: Kluane



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Account: ROCKHA

CERTIFICATE OF ANALYSIS VA09105680

Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm	ME-ICP41 Fe %	ME-ICP41 Ga ppm
Sample Description	0.02	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01	10
H886417	1.28	<0.2	2.57	286	<10	80	<0.5	<2	0.13	<0.5	12	94	24	4.54	10
H886418	0.70	2.3	0.34	>10000	<10	400	<0.5	15	0.19	<0.5	1	20	2	1.70	<10
H886419	1.16	3.5	0.09	5840	<10	90	<0.5	7	0.02	<0.5	<1	19	1	1.01	<10
H886420	0.74	7.8	0.03	>10000	<10	160	<0.5	206	0.02	<0.5	<1	16	7	2.51	<10
H886421	0.28	4.1	0.32	>10000	<10	1070	<0.5	60	0.23	0.5	<1	22	16	2.23	<10
H886422	0.92	5.4	0.19	>10000	<10	60	<0.5	7	0.03	<0.5	1	22	2	1.85	<10
H886423	0.66	1.7	1.07	>10000	<10	150	<0.5	4	0.17	<0.5	4	19	2	2.63	<10
H886424	0.34	5.2	0.43	>10000	<10	160	<0.5	40	0.04	<0.5	2	23	1	2.28	<10
H886425	0.40	3.8	1.15	>10000	<10	70	<0.5	4	0.12	<0.5	10	45	1	2.94	<10
H886426	1.00	1.2	0.85	4140	<10	150	<0.5	15	0.12	<0.5	5	24	8	1.56	<10
H886427	0.94	0.5	1.84	6890	<10	1040	0.5	4	0.28	0.5	7	47	29	3.67	<10
H886428	1.58	0.9	0.72	7830	<10	130	<0.5	3	0.13	<0.5	2	21	4	1.75	<10
H886429	2.06	0.3	2.29	5130	<10	230	<0.5	3	0.18	<0.5	7	89	29	3.94	10
H886430	0.66	0.8	1.09	3650	<10	90	<0.5	4	0.08	<0.5	2	52	10	1.98	<10
H886431	0.94	0.3	2.77	5070	<10	300	<0.5	2	0.22	<0.5	9	96	21	4.70	10
H886348	1.40	0.4	0.04	>10000	<10	10	<0.5	2	0.04	<0.5	5	19	32	1.60	<10



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Project: Kluane

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Total # Pages: 3 (A - C)
Finalized Date: 11-OCT-2009
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CERTIFICATE OF ANALYSIS VA09105680

Sample Description	Method Analyte Units LOR	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	
		Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th
		ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1	20
H886417		<1	0.19	10	1.35	564	<1	0.02	41	590	5	0.03	2	6	7	<20
H886418		<1	0.06	<10	0.12	75	<1	0.02	2	140	5	0.28	5	1	24	<20
H886419		<1	0.03	<10	0.03	45	<1	<0.01	1	30	5	0.19	2	<1	7	<20
H886420		<1	0.01	<10	<0.01	51	<1	<0.01	1	70	9	0.43	9	<1	9	<20
H886421		<1	0.03	<10	0.06	74	<1	<0.01	2	120	3	0.16	5	<1	22	<20
H886422		<1	0.06	<10	0.05	65	<1	0.01	2	90	3	0.55	8	<1	14	<20
H886423		<1	0.18	<10	0.62	183	<1	0.02	7	520	4	0.44	6	3	83	<20
H886424		<1	0.10	<10	0.20	80	<1	0.02	7	160	24	0.70	9	1	47	<20
H886425		<1	0.12	10	0.73	232	<1	0.04	27	430	7	0.95	10	3	11	<20
H886426		<1	0.18	10	0.30	156	<1	0.02	8	310	5	0.01	3	2	94	<20
H886427		<1	0.23	10	0.63	267	<1	0.01	16	680	9	0.01	6	6	37	<20
H886428		<1	0.12	<10	0.33	126	<1	0.01	6	280	4	0.14	4	2	73	<20
H886429		<1	0.48	10	1.20	460	<1	0.04	25	900	5	0.18	4	8	22	<20
H886430		<1	0.18	10	0.55	225	<1	0.02	11	360	2	0.07	4	4	11	<20
H886431		<1	0.80	10	1.45	622	1	0.04	36	940	2	0.20	4	10	15	<20
H886348		<1	0.03	<10	0.01	41	<1	<0.01	3	10	11	0.62	4	<1	4	<20



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

Project: Kluane



CERTIFICATE OF ANALYSIS VA09105680

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	Au-ICP21	Au-GRA21
		Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Au ppm	Au ppm
		0.01	10	10	1	10	2	0.001	0.05
H886417		0.03	<10	<10	109	<10	87	0.062	
H886418		<0.01	<10	<10	12	200	7	>10.0	13.80
H886419		<0.01	<10	<10	3	<10	2	>10.0	19.90
H886420		<0.01	<10	<10	5	<10	5	>10.0	50.2
H886421		<0.01	<10	<10	23	<10	8	>10.0	23.4
H886422		<0.01	<10	<10	5	<10	3	>10.0	26.1
H886423		<0.01	<10	<10	24	<10	23	9.24	
H886424		<0.01	<10	<10	15	<10	8	>10.0	46.5
H886425		<0.01	<10	<10	43	<10	31	3.00	
H886426		0.03	<10	<10	26	<10	21	>10.0	14.05
H886427		0.03	<10	<10	65	<10	58	1.245	
H886428		0.01	<10	<10	19	<10	17	8.61	
H886429		0.09	<10	<10	110	<10	71	2.71	
H886430		0.03	<10	<10	52	<10	33	>10.0	13.05
H886431		0.16	<10	<10	139	<10	90	2.83	
H886348		<0.01	<10	<10	2	<10	4	2.02	

095184

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 West Hastings Street
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

Fax: 604-688-2578



AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Delor 1-129, Malou 1-52 and Shut 5 mineral claims on Claim Sheet 115H/4 is accurate.

Joan Mariacher
Joan Mariacher

Sworn before me at Vancouver, B.C.
this 18th day of March 2010.

Ian J. Talbot
Barrister & Solicitor

IAN J. TALBOT
Barrister & Solicitor
281 East 6th Street
North Vancouver
British Columbia
Canada V7L 1L8

Statement of Expenditures
Delor 1-129, Malou 1-52 and Shut 5 Mineral Claims
March 18, 2010

Labour

D. Eaton (geologist) Aug. 2009 – 10 hrs @ \$100/hr	\$ 1,050.00
Jan. to Feb. 2010 – 10 hrs @ \$100/hr	1,050.00
B. Wengzynowski (geologist) Aug. to Sep. 2009 – 4 1/2 hrs @ \$100/hr	472.50
Feb. 2010 – 3 hrs @ \$100/hr	315.00
M. Turner (geologist) May 2009 – 17 hrs @ \$70/hr	1,249.50
Sep. 4 to 11, 2009 – 8 days @ \$560/day	4,704.00
Nov. to Dec. 2009 – 10 hrs @ \$70/hr	735.00
Jan. to Feb. 2010 – 20 hrs @ \$75/hr	1,575.00
H. Smith (geologist) Jan. to Feb. 2010 – 33 1/2 hrs @ \$75/hr	2,638.13
D. Gregory (geologist) Sep. 4-9, 2009 – 6 hrs @ \$520/hr	3,276.00
Jan. to Feb. 2010 – 14 hrs @ \$65/hr	955.50
M. Kammerer (field assistant) Sep. 4-9, 2009 – 6 day @ \$440/day	2,772.00
Nov. to Dec. 2009 – 8 hrs @ \$55/hr	462.00
J. Mariacher (office work) May 2009 to Feb. 2010 – 10 1/2 hrs @ \$70/hr	771.75
D. Huston (expeditor) Aug. to Sep. 2009 – 10 hrs @ \$62/hr	651.00
L. Corbett (expeditor) Aug. to Sep. 2009 – 10 1/2 hrs @ \$60/hr	661.50
	<u>23,338.88</u>

Expenses (including management fee)

Field room and board – 21 days @ \$125/day	2,966.25
Trans North Helicopters – 3.2 hrs Bell 206B plus fuel	4,240.03
ALS Chemex	6,194.21
	<u>13,400.49</u>

Total	<u>\$36,739.37</u>
-------	--------------------



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH YUKON AIR LTD.
 P.O. Box 8, 118 Range Rd.
 Whitehorse, Yukon Canada Y1A 5X9
 Tel: (867) 668-2177 - Fax: (867) 668-3420

Archer Cathro & Associates
 1016-510 W. Hastings Street
 Vancouver, B.C.
 V6B 1L8

AC TYPE 206B		AIRCRAFT REGISTRATION C GPGW	
FLIGHT DATE 04 09 09	DAY 04	MONTH 09	YEAR 09
PURCHASE ORDER NO.			

FROM: **1.5 HR H.I.S.**

HOOK INSURANCE DECLINED INT
 VALUE _____ ACCEPTED
 TMTA'S TARIFF LIMITS THAT TMTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 50¢ PER LB.

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASSENGERS
H.I.S.					
Ruby	1342	1043	1.0	Camp Moore	
Kilkeeman	1245	1234	0.5		
H.I.S.					

Archer Cathro
A/C

Archer

D.G. TRANSPORTED	<input type="checkbox"/>	1.5 • 1025⁰⁰	1537 50
HOLDING TIME:		• 1 HR.	
FUEL	171 L	• 125 / LITRE	213 75
FUEL		• 1 LITRE	

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 2% INTEREST PER MONTH (24% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS IF INTEREST IS NOT PAID. FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *[Signature]*
 CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)
SUBSIDIARY

ENGINEER'S NAME
[Signature]

MEALS & LODGINGS		
OTHER		
OTHER		
SUB TOTAL		1751 25
GOODS & SERVICES TAX REGISTRATION NO. R121483135		97 56

SHIPPING NAME & CITY.	CLASS	UNIT	PACKING QTY.	TOTAL	\$ 1838 81
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CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.

THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



REMIT PAYMENT TO:
TRANS NORTH HELICOPTERS
 TRANS NORTH HELICOPTERS AIR LTD.
 P.O. Box 6, 115 Range Rd.
 Whitehorse, Yukon Canada Y1A 5X8
 Tel: (867) 688-2177 - Fax: (867) 688-3420

Archer Cathro & Associates
 1016-510 W. Hastings Street
 Vancouver, B.C.
 V6B 1L8

INVOICE NUMBER 45513	AREA B.C. YUKON NWT NTA
AC TYPE 206B	AIRCRAFT REGISTRATION C GP64
FLIGHT DATE 09 09 09	PURCHASE ORDER NO.

TNTA / CONT.	TNTA / PUBL. USED	WEIGHTS	FROM
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.5 HR N.S.	

HOOK INSURANCE	DECLINED <input type="checkbox"/> INT	TNTA'S TARIFF LIMITS THAT TNTA'S LIABILITY FOR LOSS OR DAMAGE TO GOODS CARRIED IS 80¢ PER LB.
VALUE	ACCEPTED <input type="checkbox"/>	

FROM	UP	DOWN	HOURS	REMARKS	NO. OF PASS
F.I.					
TO Killebrew/RD	1418	1528	1.2		
RD / Killebrew/H.S.	1544	1615	0.5		
<i>Archer Cathro</i> <i>AK</i> <i>K. Killebrew</i>					

B.G. TRANSPORTED <input type="checkbox"/>	1.7	1025.02	1742	50
HOLDING TIME:			/ HR.	
FUEL	57	1.25	/ LITRE	.7125

TERMS: PAYABLE UPON RECEIPT OF INVOICE.
 5% INTEREST PER MONTH (54% PER ANNUM) WILL BE CHARGED ON ALL OUTSTANDING AMOUNTS OVER 30 DAYS. IF INTEREST IS NOT PAID, FUTURE FLIGHTS WILL BE ON A CASH BASIS.

X *[Signature]*
 CHARTERER'S SIGNATURE

CHARTERER'S NAME (PRINTED)

SOUD MIRA
 PILOT'S SIGNATURE

ENGINEER'S NAME

MEALS & LODGINGS	
OTHER	
OTHER	
SUB TOTAL	1813.75
GOODS & SERVICES TAX REGISTRATION NO. R121488135	90.69

SHIPPING NAME & CITY	CLASS	UN #	PACKING GR.	TOTAL	\$ 1904.44
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CARRIAGE SUBJECT TO TERMS OF PUBLISHED TARIFF.
 TARIFF AVAILABLE TO PUBLIC VIEW AT TRANS NORTH OFFICE.
THIS IS YOUR ONLY INVOICE - PAY UPON RECEIPT



TRANS NORTH HELICOPTERS

#115 Range Road
Whitehorse, YUKON Y1A 3E4
(867) 668-2177 fax (867) 667-8254

Invoice No. P1327

INVOICE

Customer

Name Archer Cathro & Associates
Address 1016 - 510 W Hastings Street
City VANCOUVER Province B.C. Postal Code V6B 1L8
Phone _____

Date 16-Sep-2009
Order No. ARCHCAC
Rep Dave Houston
FOB WHITEHORSE

Qty	PART NUMBER	Description	P.O.#	Unit Price	TOTAL
145		litres of JET A drummed fuel from Heines Junction <u>WHITEHORSE</u> for Ruby Range line job		\$1.20	\$174.00
<p><i>DB - RECEIVED UP BY DAVE @ WHITEHORSE HANGAR INTO ATC DRUM ON SEPT. 7/09 FOR KILLERMAN JOB ON SEP. 9/09</i></p> <p><i>Ruby Range AT</i></p>					

***** ONLY INVOICE PLEASE PAY *****

GST# 121-483-135

SubTotal	\$174.00
Shipping & Handling	\$0.00
Taxes G S T	\$8.70
TOTALCND	\$182.70

Payment Details

- CHARGE
- CASH
- CREDIT CARD

RECEIVED BY _____

Office Use Only (1500-720)

SERVING NORTHERN & WESTERN CANADA SINCE 1967



ALS Chemex

EXCELLENCE IN ANALYTICAL CHEMISTRY

ALS Canada Ltd

2103 Dollarton Hwy
North Vancouver BC V7H 0A7

Phone: 604 684 8221 Fax: 604 684 0218 www.alschemex.com

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

INVOICE NUMBER 1972008

BILLING INFORMATION	
Certificate:	VA09105727
Sample Type:	Soil
Account:	ROCKHA
Date:	7-OCT-2009
Project:	Kluane <i>AH</i>
P.O. No.:	
Quote:	ALSC-CW09-032-F-R1
Terms:	Due on Receipt C1
Comments:	

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
206	PREP-41	Dry, Sieve (180 um) Soil	0.96	197.76
65.62	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	1.80	118.12
206	ME-ICP41	35 Element Aqua Regia ICP-AES	4.72	972.32
206	Au-ICP21	Au 30g FA ICP-AES Finish	10.61	2,185.66
206	GEO-AR01	Aqua regia digestion	2.35	484.10

*Ruby Bannard
10/20*

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

SUBTOTAL (CAD)	\$	3,957.96
R100938885 GST	\$	197.90
TOTAL PAYABLE (CAD)	\$	4,155.86

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name:	ALS Canada Ltd.
Bank:	Royal Bank of Canada
SWIFT:	ROYCCAT2
Address:	Vancouver, BC, CAN
Account:	003-00010-1001098

Please Remit Payments To :
ALS Chemex
2103 Dollarton Hwy
North Vancouver BC V7H 0A7

19 Mar 2010 2:33PM ARCHER, CATHRO 6046882578 P. 19



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

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

INVOICE NUMBER 1968712

BILLING INFORMATION	
Certificate:	VA09105680
Sample Type:	Rock
Account:	ROCKHA
Date:	11-OCT-2009
Project:	Kluane <i>AK</i>
P.O. No.:	
Quote:	ALSC-CW09-032-F-R1
Terms:	Due on Receipt C1
Comments:	

ANALYSED FOR			UNIT PRICE	TOTAL
QUANTITY	CODE	DESCRIPTION		
56	PREP-31A	Crush, Split, Pulverize	5.04	282.24
64.48	PREP-31A	Weight Charge (kg) - Crush, Split, Pulverize	0.52	33.53
56	LOG-21d	Sample logging - Client BarCode Dup	0.44	24.64
56	ME-ICP41	35 Element Aqua Regia ICP-AES	4.72	264.32
56	Au-ICP21	Au 30g FA ICP-AES Finish	10.61	594.16
13	Au-GRA21	Au 30g FA-GRAV finish	13.37	173.81
56	GED-AR01	Aqua regia digestion	2.35	131.60

Ruby
AK 20

SUBTOTAL (CAD) \$ 1,504.30

R100938885 GST \$ 75.22

TOTAL PAYABLE (CAD) \$ 1,579.52

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

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: **ALS Canada Ltd.**
 Bank: **Royal Bank of Canada**
 SWIFT: **ROYCCAT2**
 Address: **Vancouver, BC, CAN**
 Account: **003-00010-1001098**

Please Remit Payments To :
ALS Chemex
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7

19 Mar 2010 2:33PM RCHER, CATHRO 6046882578 P.20