

2013 GEOLOGICAL AND GEOCHEMICAL ASSESSMENT REPORT
ON THE
ROHAN PROPERTY

Atlin Mining Division
Mapsheet 104M/15

Center of Work
Latitude 59° 58' 38"N, Longitude 134°57' 52"W

Prepared for:

**BC Geological Survey
Assessment Report
34548**

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December 20th, 2013

SUMMARY

The Rohan Property is located in northwestern British Columbia near the Yukon border, ~80 kilometres south of Whitehorse, YT, and 80 kilometres northwest of Atlin BC. Access to the property can be gained by boat from Carcross YT, or helicopter from Atlin, BC or Whitehorse, YT.

The property consists of nine MTO mineral claims totalling 2949.2 Ha, located within 1:50K NTS mapsheets 104M15 and 104M14. The claims are owned 100% by Eagle Plains Resources Ltd with no underlying encumbrances.

The Rohan Property covers several regional stream-silt (RGS) anomalies that includes better than 95th percentile values for Au, Cu, Sb, As and Pb. The RGS anomalies, located along a major crustal scale fault system (Llewellyn/Tally-Ho), combined with known on-strike gold-bearing showings to the north (Benall) and south (Gridiron), were the main rationale for staking of the open ground by Eagle Plains Resources in 2010.

Very little historic work has been recorded within the current Rohan tenure area. Reconnaissance stream sediment sampling was reportedly completed in the region in 1981, and the one minfile location on the property (MF 104M 032), lists the potential for limestone as an industrial mineral source, but no systematic evaluation of the commodity was given.

A 204 line-kilometre Magentic and EM airborne geophysical survey was conducted in 2011 (collecting which type of data? Mag and EM I presume?). The survey highlights numerous strong EM anomalies including at least two kilometre-scale ovoid anomalies, plus several linear anomalies associated with regional lithologic contacts.

The 2013 exploration program consisted of one day of helicopter supported silt sampling, detailed follow up silt sampling and minor prospecting and geological mapping. Detailed silt sampling was completed to follow up on a 217 ppb Au RGS anomaly draining from the northwest part of the property. The crew accessed the property via helicopter chartered out of Whitehorse, YT.

The 2013 program resulted in the collection of 29 silt samples, 2 soil samples and 6 rock samples. The sampling resulted in greatly expanding the silt coverage and detail on the property. Detailed silt sampling following up on a RGS sample containing anomalous gold both confirmed and expanded on the original results.

The 2013 program was successful in gaining more silt geochemical data covering the property as well as detailing and confirming the response from one of the RGS Au anomalies draining from the northwestern part of the property. The detailed sampling confirmed and expanded the anomalous RGS Au result, returning values up to 767 ppb Au and 8 ppm Ag (KCRHS008). One to three metre wide gossanous shear zones were discovered on the ridge above the silt anomalies, with dirt samples of the recessive weathering gossanous material returning up to 2.96 g/t Au and 18.4 g/t Ag (CSRHD001). Associated with these gold-silver values were highly anomalous values for As, Sb, Fe, Zn and Pb.

Silt samples collected on the eastern slopes of the property also returned anomalous and highly anomalous values for multiple elements including Au, Ag, As, Sb, Cu, Pb and Fe. Sample CSRHS012 taken from a creek draining the centre of the property returned values up to 102 ppb Au, 7.8 ppm Ag, 503 ppm As, 6 % Fe and 636 ppm Pb. These anomalous silt samples represent a large area of unexplored area with coincident EM and Magnetic geophysical anomalies.

The Rohan property is highly prospective for its potential to host economic porphyry Au-Cu and/or structurally hosted high grade gold mineralization. The limited work on the property to date has returned highly encouraging results. Future work on the property should include detailed silt sampling,

prospecting and mapping following up anomalous silt samples and potential soil geochemical sampling where warranted. Further geophysical interpretation should be completed on the 2011 survey to better identify structural and lithological features.

Total expenditures for the 2013 program were \$18,641.91.

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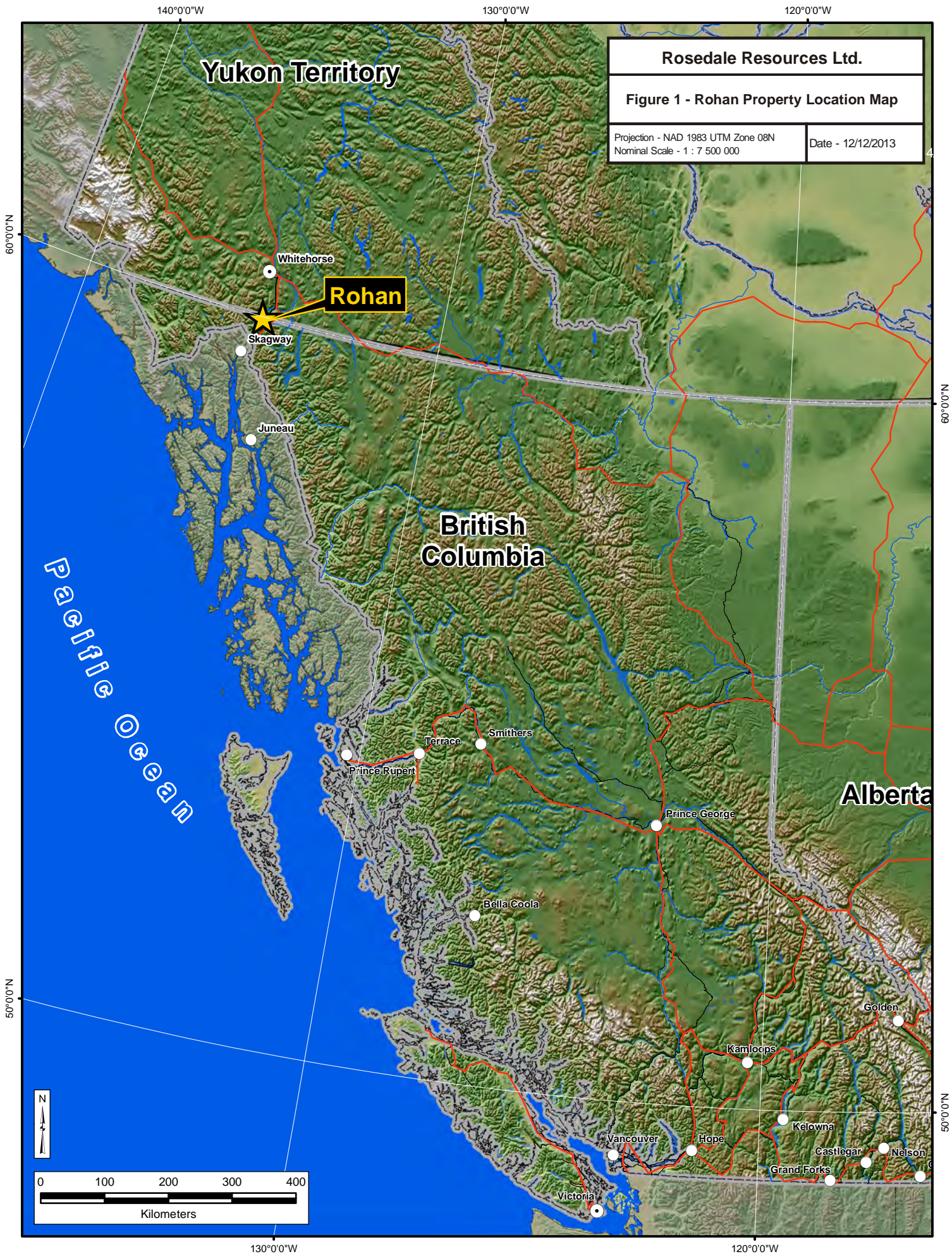
INTRODUCTION

Location, Access, Physiography and Climate

The Rohan Property is located in the Atlin Mining Division of northern British Columbia, within NTS mapsheet 104M15, and the very eastern limits of 104M14 (Figure 1). The 2949.2 hectare property abuts the Yukon border, ~ 80 kilometres south of Whitehorse, YT, and 80 kilometres northwest of Atlin BC. Logistically, the property is well situated near the historic White Pass rail line, 60 kilometres north of Skagway, Alaska, with boat access to the eastern property limit, 22 kilometres from Carcross, YT. Helicopter access to the property is gained from Atlin, BC, Whitehorse, YK, or preferably on call from Carcross, YT.

The property area is characterized by high relief ranging from Bennett Peak (2025 m AMSL) to the shoreline of Bennett Lake (~670 m AMSL). Treeline in the region lies between approximately 1000 to 1200 m AMSL. Above this, subalpine areas comprise moderate to very steep slopes of talus and barren exposed rock. The Bennett Ranges have been subjected to glaciation as is evident by horn and arrete geomorphology and ubiquitous moraine and till features; however no significant glaciers remain in the tenured area, but small permanent snow patches are present in a number of alpine basins.

Climate data from the nearest town of Carcross, YT on Bennett Lake indicates an average temperature range from -19.8 °C (January) to 12.4 °C (July), with an annual precipitation average of 276 mm. March thru May are the driest months of the year averaging 10 mm precipitation per month during that period, in contrast to an average of 27 mm precipitation per month for the rest of the year.



Tenure

The property consists of 9 MTO mineral claims totalling 2949.2 Ha, located within 1:50K NTS mapsheets 104M15 and 104M14, and 1:20K mapsheets 104M.096 and 104M.097 (Table 1). The claims are owned 100% by Eagle Plains Resources Ltd with no underlying encumbrances.

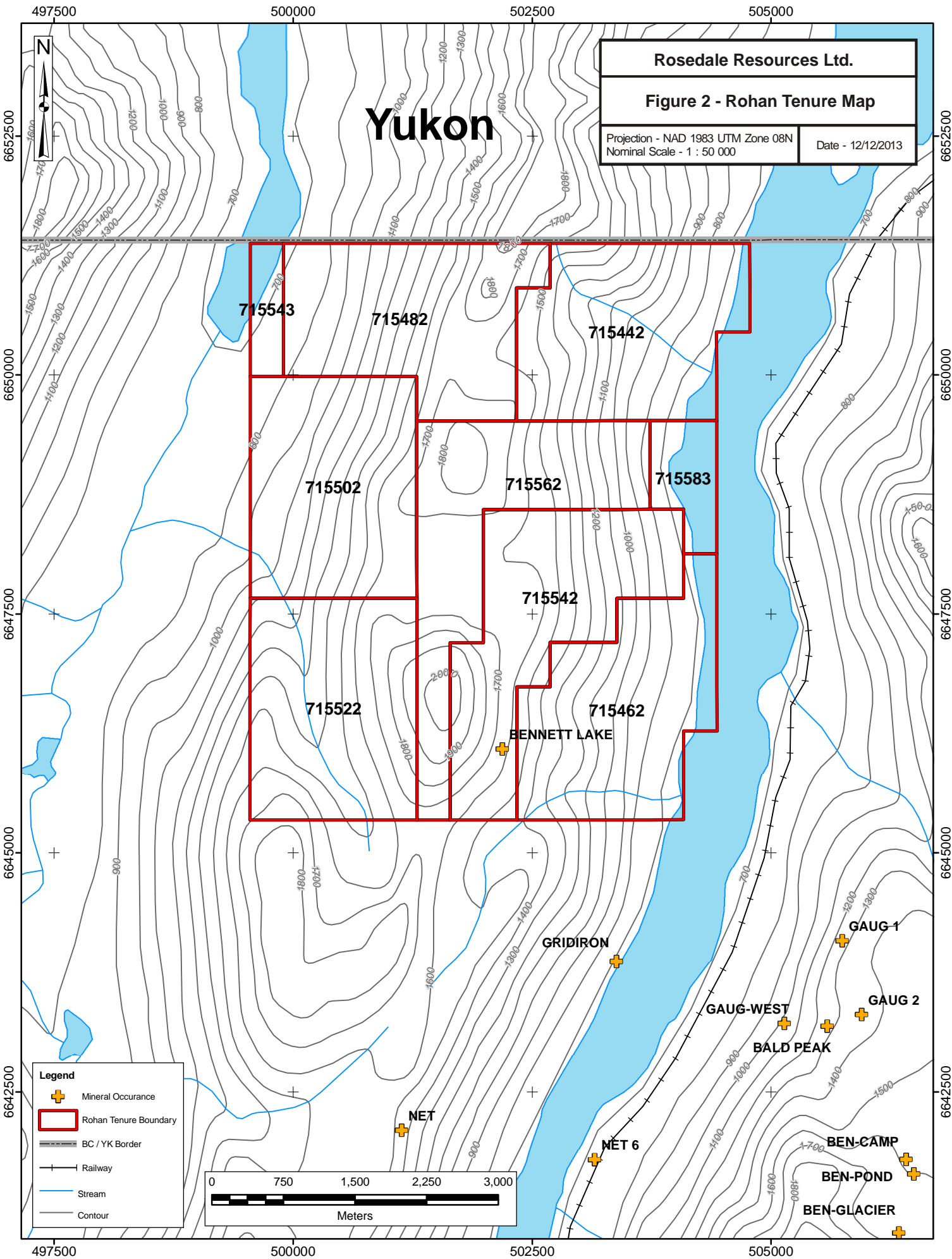
Table 1 – Rohan Tenure Summary

Tenure Number	Claim Name	Ownership	Recording Date	Expiry Date*	Mining Division	Area (ha)
715462	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	405.3
715543	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	48.6
715482	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	404.9
715583	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	81.0
715542	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	405.2
715562	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	388.9
715442	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	404.9
715502	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	405.1
715522	TH	100% EPL	March 5, 2010	November 14, 2015	Atlin	405.3
					<i>Total:</i>	2949.2

*as of October 1st, 2013, following SOW submission

The property is currently under option by Rosedale Resources Ltd (a private BC company), who financed the 2013 exploration program, as per the agreement with Eagle Plains Resource Ltd announced February 23rd, 2011. Under terms of the option agreement, Rosedale holds the exclusive right to earn a 60% interest in the property by completing \$5 million in exploration expenditures, making \$500,000 in cash payments and issuing 1 million common shares to Eagle Plains over 5 years. Eagle Plains will maintain a 4% Gross Metal Royalty on the claims, which may be reduced to 2% upon payment of \$2 million.

All 2013 exploration activities were managed and carried out by TerraLogic Exploration Services, a wholly owned subsidiary of Eagle Plains Resources Ltd.



Rosedale Resources Ltd.

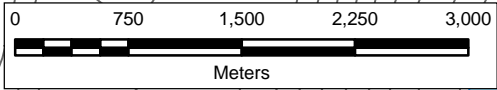
Figure 2 - Rohan Tenure Map

Projection - NAD 1983 UTM Zone 08N
 Nominal Scale - 1 : 50 000

Date - 12/12/2013

Yukon

- Legend**
- Mineral Occurrence
 - Rohan Tenure Boundary
 - BC / YK Border
 - Railway
 - Stream
 - Contour



History and Previous Work

Very little historic work has been recorded within the current Rohan tenure area. Reconnaissance stream sediment sampling was reportedly completed in the region in 1981 as part of the Kulta Project (AR 10427), but work efforts concentrated primarily on the east side of Bennett Lake.

The one and only minfile location on the property (MF 104M 032), lists the potential for limestone as an industrial mineral source, but no systematic evaluation of the commodity is given.

Adjacent showings to the north and south have seen modest grassroots exploration:

- 1) To the north, just across the Yukon border, Eagle Plains Resources completed a 3 day evaluation of the Tally-Ho (Bennett) property area in 2009, reporting on prospective shear zones containing Pb-Cu-Zn-Au mineralization in the Bennett Ranges.
- 2) Two kilometres south of the new tenure, the past-producing *Grid Iron* silver, gold, lead, zinc occurrence (MF 104M 001) is also hosted in identical sheared strata. Here, a 0.2 metres wide quartz vein, near an adit portal was reported (1901) to carry high gold and silver values. In 1901, 68 tonnes of ore were mined producing 2,582 grams of silver and 156 grams of gold. A sample of the quartz vein taken in 1982 assayed 3.2 grams per tonne gold, 315 grams per tonne silver, 2.05 per cent lead and 1.34 per cent arsenic (AR 10425).

GEOLOGY

Regional Geology

The property area occurs along the western edge of a major crustal shear zone known as the Tally-Ho shear zone (THSZ) and the younger overprinting Llewellyn fault zone (LFZ). The Tally Ho shear zone is a 40 km long zone of highly strained rocks along the western margin of the Whitehorse Trough in southern Yukon, first recognized by Hart and Radloff (1990). The deformed belt of rocks is approximately 3 km wide and separates the Stikine Terrane to the east from Nisling Assemblage rocks of the Yukon-Tanana Terrane to the west. In the Yukon, western Stikinia includes the Upper Palaeozoic Takhini assemblage and the Upper Triassic to Lower Jurassic Lewes River and Laberge Groups of the Whitehorse Trough.

Rocks of the Tally Ho shear zone are mainly part of the Upper Triassic Lewes River Group (Wheeler, 1961; Hart and Radloff, 1990). Regionally, the Lewes River Group consists of dominantly volcanic Povoas formation overlain by sedimentary Aksala formation (Hart, 1997). The Povoas formation is correlative to the British Columbia equivalent Stuhini formation, and together they form the Lewes River Arc (Hart, 1997). The area is crosscut by numerous Jurassic, Cretaceous and Eocene intrusive bodies. Post kinematic granitoid rocks dated at 173 Ma provide a lower age limit of deformation along the THSZ (Tizzard and Johnson, 2004).

The THSZ is structurally overprinted by the younger Llewellyn fault zone (LFZ) which extends southwards into BC (Tizzard and Johnson, 2004). In the Taku Arm area west of Atlin, the LFZ marks but is not constrained to a major tectonic boundary between units of the Whitehorse Trough to the east, and the Boundary Ranges metamorphic suite to the west (Mihalynuk, 1999). Splay faults of the LFZ cutting through Jurassic sediments of the Laberge Group and Triassic volcanics of the Stuhini group are host to a number of important mineral deposits including the Engineer Mine and Rupert Showings. Tertiary intrusive rocks are also associated with Au in quartz-calcite veins at the Ben-my-Chree and Titan showing, with the latter also associated with Mo-Cu “porphyry” style mineralization. The Boundary Ranges metamorphic suite is host to precious and base metal quartz vein mineralization at the Gridiron and Bighorn mines.

Local Geology (BC/Yukon border area)

Regionally mapped rock units in the target area near the BC/Yukon boarder include upper Permian to Triassic foliated and hornfelsed volcanic schists of the Takhini Formation (uPT), and augite and feldspar phyric intermediate to mafic volcanic flow units of the Povoas Formation (uTrP). Lower to Middle Jurassic overlap assemblage rocks of the Laberge Group (JL) outcrop near the BC border on the east flank of Bennett Mountain. At least 3 younger volcanic units also outcrop in the target area: Middle Cretaceous Mount Nansen (mKN) dark green to grey andesite; Upper Cretaceous Carmacks (uKC1) augite olivine basalt breccia, andesite and dacite flows and related epiclastics; and Lower Eocene Skukum (IES1) flow banded rhyolite-andesite flows and breccia, tuff and related epiclastic rocks.

Intrusive rocks in the target area include Middle Jurassic monzodiorite to quartz monzodiorite of the Bennett Pluton (MJgB), and leucocratic granite, granodiorite and monzonite of the early Tertiary Pennington Pluton (EtqN).

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510000

Rosedale Resources Ltd.

Rohan Property

Figure 3 - Regional Geology

Projection - NAD 1983 UTM Zone 09N

Date - 12/12/2013

Nominal Scale - 1 : 75 000

YUKON

MUNROE

BENALL

FINGER

DUNDALK

RIGEL

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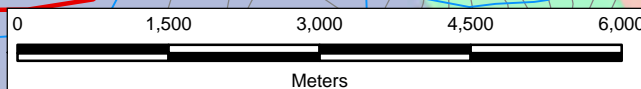
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Geology Legend

- DTrBR - Boundary Ranges Metamorphic Suite metamorphic rocks, undivided
- DTrBRgs - Boundary Ranges Metamorphic Suite greenstone, greenschist metamorphic rocks
- DTrBRlm - Boundary Ranges Metamorphic Suite limestone, marble, calcareous sedimentary rocks
- DTrBRvb - Boundary Ranges Metamorphic Suite basaltic volcanic rocks
- LKgr - Unnamed granite, alkali feldspar granite intrusive rocks
- LKqm - Unnamed quartz monzonitic intrusive rocks
- LTrStdg - Stikine Plutonic Suite monzodioritic to gabbroic intrusive rocks
- MKgr - Unnamed granite, alkali feldspar granite intrusive rocks
- PeEShgr - Sloko-Hyder Plutonic Suite granite, alkali feldspar granite intrusive rocks
- PeEShqd - Sloko-Hyder Plutonic Suite quartz dioritic intrusive rocks
- TrJg - Mesozoic - Unnamed intrusive rocks, undivided
- IJL - Mesozoic - Laberge Group undivided sedimentary rocks
- IJLlst - Laberge Group - Inklin Formation argillite, greywacke, wacke, conglomerate turbidites
- IJLTcg - Laberge Group - Takwahoni Formation conglomerate, coarse clastic sedimentary rocks
- IJLTst - Laberge Group - Takwahoni Formation argillite, greywacke, wacke, conglomerate turbidites
- ImJLcg - Mesozoic - Laberge Group conglomerate, coarse clastic sedimentary rocks
- ImJva - Unnamed andesitic volcanic rocks
- uTrJcg - Unnamed conglomerate, coarse clastic sedimentary rocks
- uTrScg - Mesozoic - Stuhini Group conglomerate, coarse clastic sedimentary rocks
- uTrSv - Mesozoic - Stuhini Group undivided volcanic rocks
- uTrSvb - Mesozoic - Stuhini Group basaltic volcanic rocks

Legend

- Mineral Occurrence
- Contour
- Fault
- Thrust
- Contour
- Railway
- Road
- Rohan Tenure
- Llewellyn Fault System



Adjacent Mineralization

The Rohan Property covers several regional stream-silt (RGS) anomalies that includes better than 95th percentile values for Au, Cu, Sb, As and Pb. The RGS anomalies, located along a major crustal scale fault system (Llewellyn/Tally-Ho), combined with known on-strike gold-bearing showings to the north (Benall) and south (Gridiron), were the main rationale for staking of the open ground by Eagle Plains Resources in 2010.

In the Tagish Lake area (60 km south of the Rohan), the Llewellyn fault zone (LFZ) and overlapping Tally-Ho shear zone (THSZ) marks, but is not constrained to, a major tectonic boundary between units of the Whitehorse Trough to the east, and the Boundary Ranges metamorphic suite to the west (Mihalynuk, 1999). Splay faults off the LFZ, cutting through Jurassic sediments of the Laberge Group and Triassic volcanic rocks of the Stuhini Group, are host to a number of important mineral deposits including the Engineer Mine (MF 104M 014), and Rupert Showings (MF 104M 049). Tertiary intrusive rocks are also associated with Au in quartz-calcite veins at the Ben-my-Chree *past producer* (MF 104M 011) and Titan *showing* (MF 104M 089), with the latter also associated with Mo-Cu “porphyry” style mineralization. The Boundary Ranges metamorphic suite is host to precious and base metal quartz vein mineralization at the Gridiron and Bighorn (MF 104M 006,007) mines.

The Rohan Property covers a 6 kilometre span of the prospective Llewellyn/Tally-Ho shear zone, part of a larger (>150 kilometre long) crustal-scale fault system, host to numerous gold, silver and base metal properties. The Engineer Mine, west of Atlin BC, is one of the more famous properties from this zone:

“The historic Engineer Mine was a high-grade gold producer that reached its zenith in the mid-1920s... More than 560 kilograms of gold were officially produced at a realized grade exceeding 39 g/t gold from high-grade epithermal quartz-carbonate veins” BC-Gold Corp (TSX-V: BCG) NR, Oct 5, 2009.

In April 2011, BC Gold Corp. released the first NI 43-101 compliant mineral resource estimate for the Engineer mine with a combined inferred resource for the Engineer and Double Decker veins of 71000 t grading 11.5 g/t Au. The Engineer Property mineralization occurs as vein systems in Laberge group mudstones on the east side of Tagish Lake. An outlier of the Eocene Sloko volcanic sequence occurs nearby on Engineer Mountain (Dominy et al., 2011).

The Engineer and Double Decker veins belong to a NNE-SSW set of narrow (commonly <2 m) brittle dilational veins with a minor sinistral strike component. The NNE-SSW veins are traceable along strike for up to 400 m and have been shown to extend vertically for up to 180 m. Short-term variations in strike are common and variations in thickness (2 m veins thinning to 0.1 m) produce pod like forms. Small offsets result from primary en-echelon patterns and small displacement by late faults.

The NNE-SSW veins systems have quartz dominated, quartz-carbonate and carbonate dominated infills. Sequences of veins and vein fill imply a change from quartz dominated to carbonate dominated with time. Micas are a significant component and include roscoelite and possibly mariposite as a locally distinctive feature. Sulphides are not abundant. Vein fills are commonly coarse grained and layered parallel to the walls. Examples of pseudomorphs after bladed calcite are recorded. Breccias of wall rock fragments in a quartz matrix occur in some veins, notably the Engineer vein. The depositional environment is provisionally inferred to be in the deeper part of a fault hosted epithermal system

(Dominy et al., 2011).

Two kilometres south of the Rohan Property, the past-producing Gridiron silver, gold, lead, zinc occurrence (MF 104M001) is also hosted in sheared strata. The shear zone occurs in the Devonian to Permian and older Boundary Ranges Metamorphic Suite near the contact margins of the Coast Plutonic Complex and the Intermontane Belt. These rocks comprise chlorite feldspar gneiss, schist, marble and hornfels feldspar porphyry. The east-west adit follows a crushed zone of quartz and talcose matter carrying several per cent galena, tetrahedrite, arsenopyrite, pyrite and minor sphalerite.

A clearly defined quartz vein, about 0.2 metres wide, near the adit portal was reported (1901) to carry high gold and silver values. In 1901, 68 tonnes of ore were mined producing 2,582 grams of silver and 156 grams of gold. A sample of the quartz vein taken in 1982 assayed 3.2 grams per tonne gold, 315 grams per tonne silver, 2.05 per cent lead and 1.34 per cent arsenic (Assessment Report 10425).

Mineralization History (Yukon side of border area)

Previous work by Rushant (YK AR 093243, 092893, 092848) at the Finger claims of the southern Yukon, noted mineralization along a 300 meter shear zone that included galena, sphalerite, pyrite and chalcopyrite hosted in sheared felsic to andesitic volcanics. The mineralization occurs as stringers and disseminations in a khaki coloured propylite comprised of actinolite, chlorite and epidote; and as disseminations and blebs in sheared, carbonatized, felsic to andesitic rock of fine to brecciated texture. Magnetite is observed in a variety of rock types, but is reported diminished in the sheared zone.

Historical descriptions of the shear structure are vague, but the main structure of interest is reported as trending Az 040° for approximately 600 meters (Rushant, 1994; AR 093243). At least 16 hand pits were excavated over approximately 300 meters of the identified shear zone noted above.

A north-trending shear zone uncovered on Scout # 1 claim cuts across the property and is probably associated with the Tally-Ho Shear Zone. The shear contains numerous zones of quartz-calcite veining with propylitic and argillic alteration. These zones range up to 2.0 m wide but are generally less than 0.5 m. Four samples of this material contained over 100 ppb Au, the highest assay being 400 ppb Au. Silver values ran as high as 22 ppm, and Pb values as high as 1562 ppm (AR092848).

A second north-trending structure cutting metavolcanic rocks on the Scout # 9 claim was found to host a quartz-sulphide breccia zone up to 0.6 m wide. A chip sample across the structure returned 1.47% Zn, 0.38% Pb and 47.9 ppm Ag over 0.6 m. A chip sample across 2.0 m of silicified granite assayed 208 ppb Au (AR 092893).

The 1994 work was centred around a previously discovered north-trending structure (AR 092893) located on Scout cl 9, however the 1994 sample map places the structure on the opposite (southwest) side of the claim. Regardless of the exact location of the structure, the assay results were similar to those recorded in 1989, with the best assay returning 279.3 g/T Ag, 0.42 % Cu, 1.47 % Pb and 1.37 % Zn (AR 093243). The NE and SW exposed limits of the main 040° trending shear are further obscured by talus and scree. Rushant (1994) recommended additional geochemical and geophysical surveys along strike, surveys which to date have not been carried out.

The Tally-Ho Yukon target area, just north of the BC boarder on the west side of Bennett Lake, was explored by EPL staff in 2009 for its gold, silver and base metal potential hosted in rock assemblages along the promising Tally Ho/Llewellyn fault system. Mineralization noted in 2009 was abundant in

float and outcrop in creeks of the two southernmost drainages, with mineralization found in all 4 rock units in the area. Galena and pyrite are found in shear zones in the granite pluton. The rhyolite plug is highly hornfelsed and gossanous with disseminated pyrite, pyrrhotite and trace chalcopyrite. The argillites of the Laberge Group are also hornfelsed with disseminated pyrite and pyrrhotite. There is extensive propylitic alteration within the volcanoclastic rhyolite unit (IES1), and locally within the granite (ETqN). Shear zones were located within the rhyolite unit with brecciated sphalerite and associated magnetite.

A total of 28 rock samples of various lithologies were collected from the Tally-Ho Yukon target area in 2009. The best sample returned 1160 ppb Au from a brownish recrystallized fine grained granite with disseminated pyrite, within an alteration/shear system. The highest metal values returned from other individual rock samples were 1395 ppm Cu, 6373 ppm Zn, 6.7 ppm Ag, and 204 ppm Pb. The historic pits that contained the anomalous silver values were not located during this program.

Two notable soil geochemical anomalies are highlighted in the 2009 results:

- 1) A Cu-Pb-Zn with irregular Au anomaly is apparent between the two tributaries high in the south map area with increasing base metal contents towards the southernmost creek.
- 2) A slightly elevated silver and base metal soil anomaly is associated with the granite/rhyolite contact at the northern end of the property.

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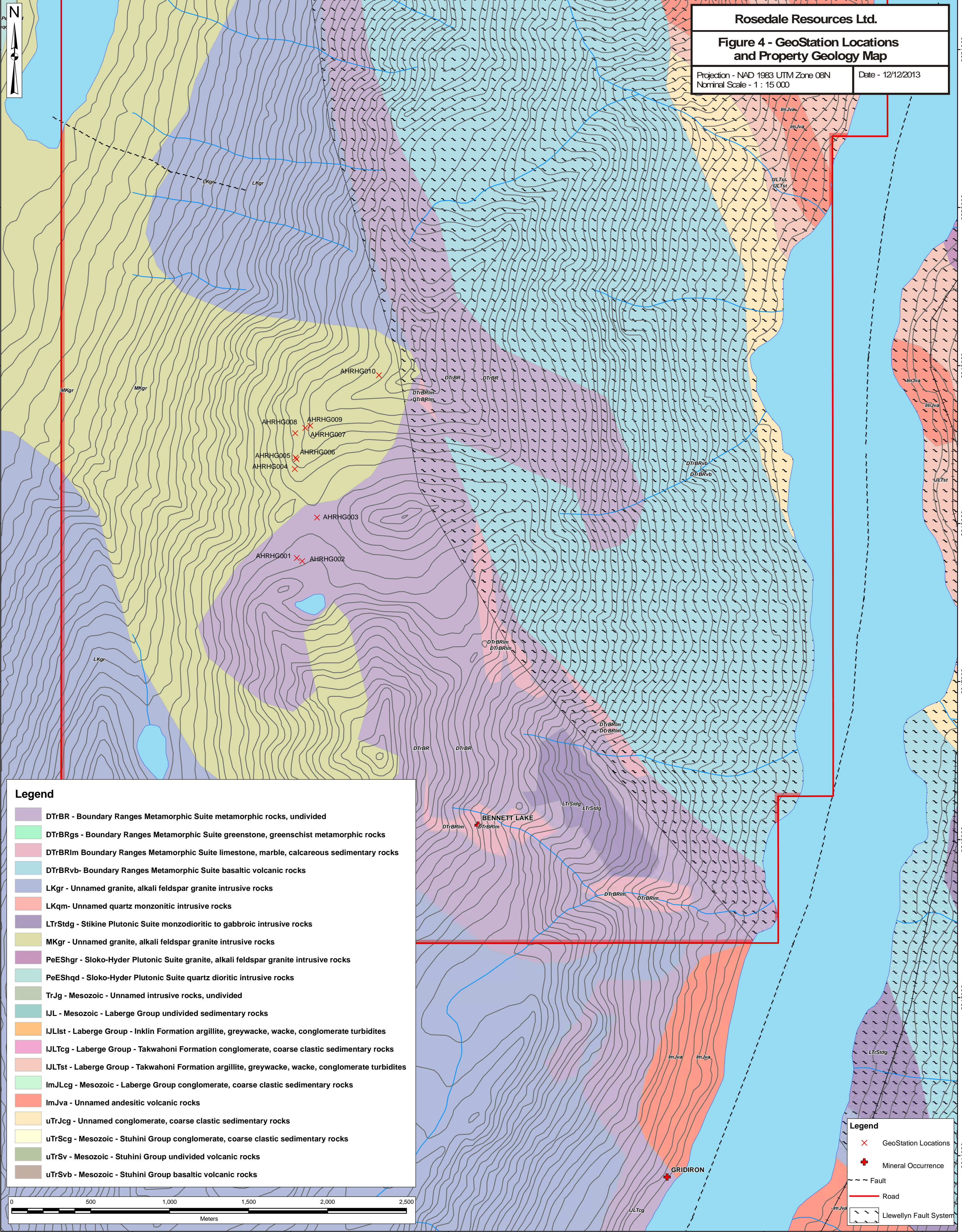
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Rosedale Resources Ltd.

Figure 4 - GeoStation Locations and Property Geology Map

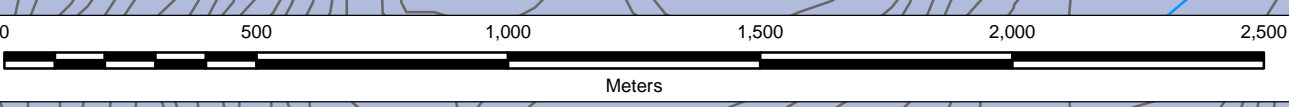
Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 15 000

Date - 12/12/2013



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 - uTrScg - Mesozoic - Stuhini Group conglomerate, coarse clastic sedimentary rocks
 - uTrSv - Mesozoic - Stuhini Group undivided volcanic rocks
 - uTrSvb - Mesozoic - Stuhini Group basaltic volcanic rocks

- Legend**
- GeoStation Locations
 - Mineral Occurrence
 - Fault
 - Road
 - Llewellyn Fault System



50000 501000 502000 503000 504000 505000

2013 EXPLORATION PROGRAM

The 2013 work program consisted of one day of field work with a crew of one geologist and two geotechnicians. The crew mobilized to Whitehorse, YT from Cranbrook, BC for the one day program on September 16th, 2013. With helicopter support from Fireweed Helicopters out of Whitehorse, BC, the work was completed on September 17th consisting of helicopter supported silt sampling, detailed silt sampling and minor geological mapping/prospecting. The samples were cataloged and dropped off at the AGAT preparation laboratory in Whitehorse for analysis on September 18th. The goals of the program were to obtain silt sample coverage over the entire property as well as complete follow up work on an anomalous RGS sample on the northwestern part of the property which returned a value of 217 ppb Au.

Total expenditures for the 2013 program were \$18,641.91.

2013 PROGRAM RESULTS

The 2013 program resulted in the collection of 29 silt samples, 2 soil samples and 6 rock samples. The sampling resulted in greatly expanding the detail of silt coverage on the property. Detailed silt sampling following up on a RGS sample containing anomalous gold both confirmed and expanded on the original results.

Samples were collected up two parallel dry creek drainages/avalanche chutes and returned consistently highly anomalous samples the entire length of the chutes to the ridge top. The samples returned anomalous and highly anomalous values for Au, As, Sb, Cu, Fe, Zn, Ag, Mo. Samples returned values as high as 747 ppb Au, 8 ppm Ag (KCRHS008). These samples drain from the western edge of the Tally-Ho Shear Zone as well from geophysical anomalies, including multi-channel EM and Magnetic conductive anomalies. During the field work, 1-3 m wide highly recessive highly gossanous shear zones were discovered on the ridge above the silt anomalies. Dirt samples from the gossanous material returned high values for many same elements found in the silt samples, including a sample returning 2.96 g/t Au, and 18.4 g/t Ag (CSRHD001). This sample includes highly anomalous values for As (over detection limit of 10000 ppm), Sb (346 ppm), Fe (16.1 %), Zn (1810 ppm), Pb (946 ppm). Another sample taken 1 km to the south of CSRHD001 sampled a similar highly gossanous shear zone returned 174 ppb Au and 4.54 ppm Ag (AHRHD001), also with associated high Fe but lower values for Sb and As.

Silt samples collected on the eastern slopes of the property also returned anomalous and highly anomalous values for multiple elements including Au, Ag, As, Sb, Cu, Pb and Fe. The sample CSRHS012 taken from a creek draining the centre of the property returned values up to 102 ppb Au, 7.8 ppm Ag, 503 ppm As, 6 % Fe and 636 ppm Pb. These anomalous silt samples represent a large unexplored area with coincident EM and Magnetic geophysical anomalies.

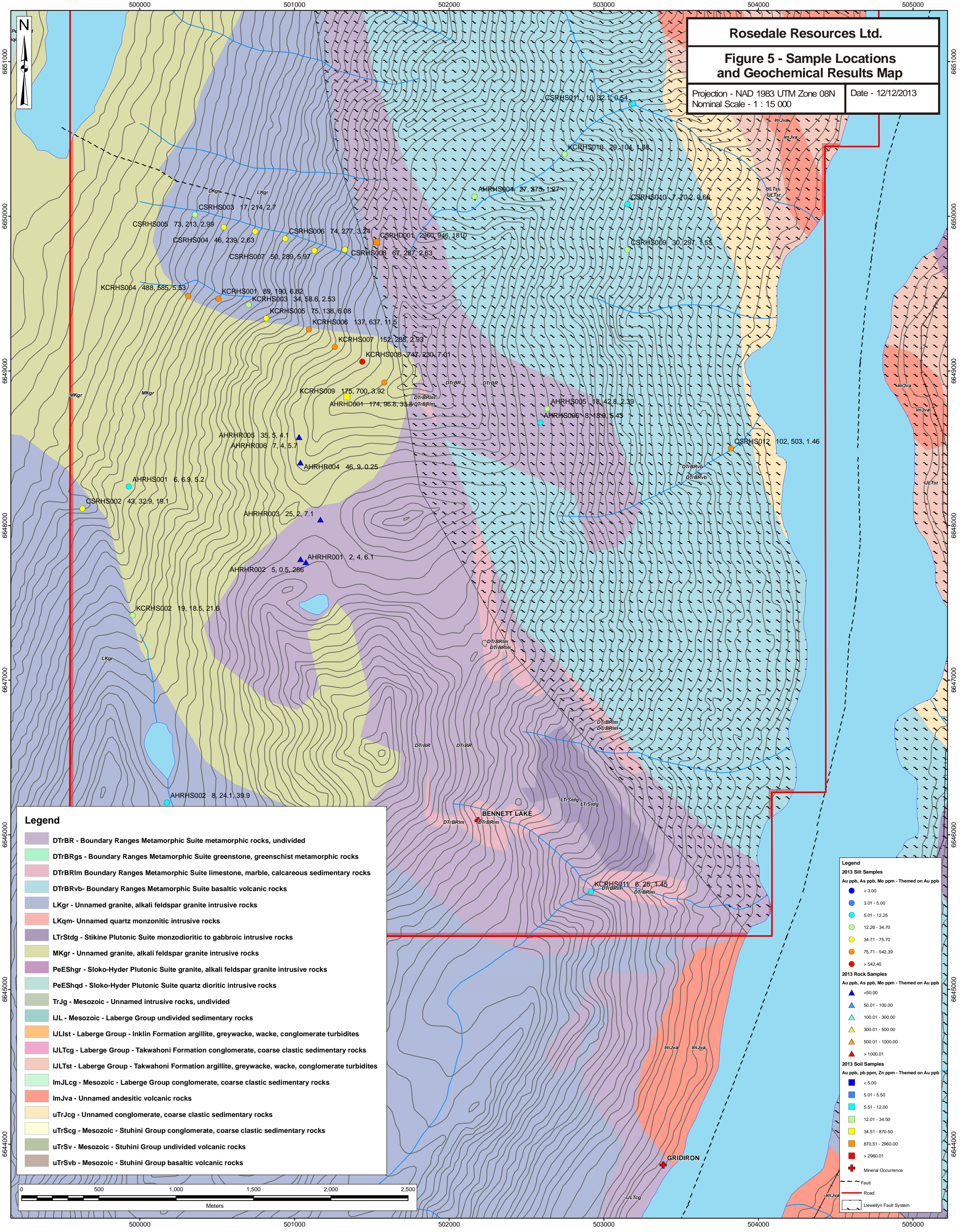
During limited prospecting and mapping, molybdenum-bearing quartz veining was noted hosted in a tonalite intrusive (MKgr). Altered volcanoclastic units found in proximity to the intrusive contained magnetite mineralization and were clearly affected by shearing. The property does contain carbonate strata which are prospective for hosting skarn deposits related to the intrusive contact.

Rosedale Resources Ltd.

Figure 5 - Sample Locations and Geochemical Results Map

Projection - NAD 1983 UTM Zone 08N
Nominal Scale - 1 : 15 000

Date - 12/12/2013



Legend

- DTrBR - Boundary Ranges Metamorphic Suite metamorphic rocks, undivided
- DTrBRgs - Boundary Ranges Metamorphic Suite greenstone, greenschist metamorphic rocks
- DTrBRlm - Boundary Ranges Metamorphic Suite limestone, marble, calcareous sedimentary rocks
- DTrBRvb - Boundary Ranges Metamorphic Suite basaltic volcanic rocks
- LKgr - Unnamed granite, alkali feldspar granite intrusive rocks
- LKqm - Unnamed quartz monzonitic intrusive rocks
- LTrStdg - Stikine Plutonic Suite monzodioritic to gabbroic intrusive rocks
- MKgr - Unnamed granite, alkali feldspar granite intrusive rocks
- PeEShgr - Sloko-Hyder Plutonic Suite granite, alkali feldspar granite intrusive rocks
- PeEShqd - Sloko-Hyder Plutonic Suite quartz dioritic intrusive rocks
- TrJg - Mesozoic - Unnamed intrusive rocks, undivided
- IJL - Mesozoic - Laberge Group undivided sedimentary rocks
- IJLlst - Laberge Group - Inklin Formation argillite, greywacke, wacke, conglomerate turbidites
- IJLTcg - Laberge Group - Takwahoni Formation conglomerate, coarse clastic sedimentary rocks
- IJLTst - Laberge Group - Takwahoni Formation argillite, greywacke, wacke, conglomerate turbidites
- ImJLcg - Mesozoic - Laberge Group conglomerate, coarse clastic sedimentary rocks
- ImJva - Unnamed andesitic volcanic rocks
- uTrJcg - Unnamed conglomerate, coarse clastic sedimentary rocks
- uTrScg - Mesozoic - Stuhini Group conglomerate, coarse clastic sedimentary rocks
- uTrSv - Mesozoic - Stuhini Group undivided volcanic rocks
- uTrSvb - Mesozoic - Stuhini Group basaltic volcanic rocks

Legend

2013 Silt Samples
Au ppb, As ppb, Mo ppm - Themed on Au ppb

- < 3.00
- 3.01 - 5.00
- 5.01 - 12.25
- 12.26 - 34.70
- 34.71 - 75.70
- 75.71 - 542.39
- > 542.40

2013 Rock Samples
Au ppb, As ppb, Mo ppm - Themed on Au ppb

- < 50.00
- 50.01 - 100.00
- 100.01 - 300.00
- 300.01 - 500.00
- 500.01 - 1000.00
- > 1000.01

2013 Soil Samples
Au ppb, pb ppm, Zn ppm - Themed on Au ppb

- < 5.00
- 5.01 - 5.50
- 5.51 - 12.00
- 12.01 - 34.50
- 34.51 - 870.50
- 870.51 - 2960.00
- > 2960.01

Mineral Occurrence

Fault

Road

Llewellyn Fault System

CONCLUSIONS & RECOMMENDATIONS

The Rohan Property contains anomalous values from silt samples for many prospective elements including: Au, Ag, Cu, As, Sb, Pb, As, both from RGS as well as recent 2013 sampling. These anomalies, located along a major crustal scale fault system (Llewellyn/Tally-Ho), combined with known on-strike gold-bearing showings to the north and south, makes the Rohan property very prospective for hosting significant mineralization in the form of and/or vein/shear hosted Au and porphyry Cu-Au. The presence of carbonate units on the property in close proximity to the intrusive suites indicated an encouraging host for skarn style mineralization.

The 2011 airborne geophysical survey highlights numerous strong EM anomalies including at least two kilometer-scale ovoid anomalies, plus several linear anomalies associated with regional lithology contacts. Ground-truthing of the anomalies by way of mapping, prospecting and silt sampling is required in order to properly assess the mineralization potential of these geophysical anomalies. It is significant to note that both the 2011 and 2013 field visits successfully located molybdenite mineralization and pyritiferous porphyritic intrusive outcrop near the west limit of one of the ovoid EM anomalies.

The weakly porphyritic and multi-pulsed nature of the intrusion, combined with the elevated pyrite content, suggests the possibility the area represents the pyrite halo of a porphyry system. This is supported by the presence of rehealed fractures and at least one rubblecrop boulder hosting quartz veining with minor molybdenite (Carl Schulze, personal comment 2011).

The 2013 program was successful in gaining more silt geochemical data covering the property as well as detailing and confirming the response from one of the RGS Au anomalies draining from the northwestern part of the property. The detailed sampling confirmed and expanded the anomalous RGS Au result, returning values up to 767 ppb Au and 8 ppm Ag (KCRHS008). One-three metre wide gossanous shear zone was located on the ridge above the silt anomalies, with dirt samples of the recessive weathering gossanous material returning up to 2.96 g/t Au and 18.4 g/t Ag (CSRHD001). Associated with these gold-silver values were highly anomalous values for As, Sb, Fe, Zn and Pb. Silt samples collected on the eastern slopes of the property also returned anomalous and highly anomalous values for multiple elements including Au, Ag, As, Sb, Cu, Pb and Fe. These anomalous silt samples represent a large unexplored area with coincident EM and Magnetic geophysical anomalies.

Future work on the property should include detailed silt sampling, prospecting and mapping following up anomalous silt samples and potential soil geochemical sampling where warranted. Further geophysical interpretation should be completed on the 2011 survey to better identify structural and lithological features. A two week program consisting of a combination of helicopter supported traverses and fly camp operations focused on the above stated goals would cost an estimated \$130,000. This program would give us a better idea of where to focus future exploration efforts, which could include detailed follow up work to identify targets for diamond drill testing.

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Appendix I – Statement of Qualifications

Aaron A. Higgs, B. Sc.

I, Aaron Ashwell Higgs, B.Sc. do hereby certify that:

I am currently employed as a Geologist by TerraLogic Exploration Inc., with business location of Suite 200, 44-12th Ave S., Cranbrook, BC, V1C 2R7 (Telephone: 778-520-2000, email: aah@terralogicexploration.com)

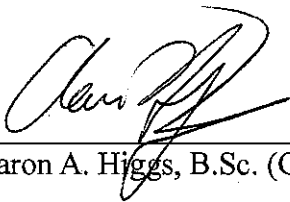
I graduated with a Bachelor of Science in Geology from the University of British Columbia in the year 2005.

I have worked as a Geologist in Western Canada for nine years.

I am responsible for the preparation of this Technical Report entitled "Geological and Geochemical Report for the Rohan Property", prepared for Rosedale Resources Ltd.

Dated at Cranbrook, British Columbia, Canada this 20th day of December, 2013.

Respectfully submitted



Aaron A. Higgs, B.Sc. (Geol)

Appendix II – Statement of Expenditures

2013 Rohan Expenditures					
Exploration Work type	Comment	Days			Totals
Personnel (Name) / Position	Field Days (list actual days)	Days	Rate	Subtotal	
Aaron Higgs, Project Manager	September 16-18, 2013	3.00	\$625.00	\$1,875.00	
Chris Shook, Geotechnician	September 16-18, 2013	3.00	\$375.00	\$1,125.00	
Kyle Cashin, Geotechnician	September 17, 2013	1.00	\$375.00	\$375.00	
				\$3,375.00	\$3,375.00
Office Studies	List Personnel	Days	Rate	Subtotal	
Project Management, project preparation, data entry, data analysis, report preparation	Aaron Higgs, Project Manager	3.20	\$625.00	\$2,000.00	
Database compilation	Brad Robison, GIS technician	0.33	\$525.00	\$173.25	
Database management	Chris Gallagher, GIS Management	0.07	\$725.00	\$50.75	
Project Management	Jesse Campbell, President	0.4	\$725.00	\$290.00	
Report preparation	Nathan Taylor, GIS technician	0.5	\$450.00	\$225.00	
Database Compilation	Jason Kolcun	0.6	\$425.00	\$255.00	
Project Research and Preparation	Jarrod Brown, Chief Geologist	2.1	\$725.00	\$1,522.50	
				\$4,516.50	\$4,516.50
Geochemical Surveying	Number of Samples			Subtotal	
Stream sediment, Soil and Rock				\$1,048.28	
				\$1,048.28	\$1,048.28
Transportation				Subtotal	
Airfare				\$1,996.74	
truck rental				\$200.00	
Fuel				\$18.24	
Helicopter (hours)				4515	
Fuel (litres/hour)				\$735.00	
Other	parking, baggage			\$59.05	
				\$7,524.03	\$7,524.03
Accommodation & Food	Rates per day				
Hotel				\$218.00	
Camp				\$22.91	
Meals	day rate or actual costs-specify			\$222.14	
				\$463.05	\$463.05
Geological and Geochemical					
Geological Supplies				\$65.00	
				\$65.00	\$65.00
Equipment Rentals					
Computer wi printer - per day				30.00	
Digital Camera - per day				30.00	
Field kits - per day				90.00	
Radio wi charger - per day				90.00	
Satellite phone wi charger - per day				45.00	
				\$285.00	\$285.00
TerraLogic Exploration Handling and Administration Fees on Disbursements					
				\$1,365.05	\$1,365.05
TOTAL Expenditures					\$18,641.91

Appendix III – Geochemical Protocol

3.1 Handling and Sampling Protocol

3.2 Analytical Techniques

3.3 Software

3.1 Handling and Sampling Protocol

All 2013 samples were collected by TerraLogic Exploration Inc employees and sub-contractors. The sampling process is standardized and continually monitored for quality assurance and quality control. 4 types of samples were collected during the program, these include: drill core, rock, silt and soil samples. All samples are described in a digital form on a Ipod/tablet in the field at the time of collection and also have a GPS location recorded at the site. Sample data was also recorded in field books and locations plotted on field maps as a backup to the digital forms. All of the 2013 samples from the Rohan program were dropped off at the AGAT prep lab in Whitehorse, located at Unit 3, 17 Burns Road, Whitehorse, YT. Here they were prepped and sent along for analysis at the lab in Mississauga, Ont.

Rock Samples

Rock samples were collected where mineralization was noted. Transported rock materials were sampled as Float, Talus or Subcrop rock sample types, depending on the perceived distance the rock had traveled from its source. Rocks were collected from outcrops as fist sized Grab samples, or as Chip or Channel samples. A Chip sample is a series of continuous and representative samples taken over a set direction and length using a hammer and chisel. Channel samples is a continuous and representative sample using the channel saw. In each case rock samples were recorded on the digital forms with a spatial location and a variety of attributes which include: map unit, major rock type, minor rock type, colour fresh, colour weathered, texture, grain size, mineralization major and mineralization minor. All samples were transported in plastic rice bags with locking plastic straps with unique identification numbers to prevent tampering during the chain of custody.

Soil Samples

Where possible the soil sample was collected from the B-Horizon of the soil profile. Attribute data collected for each soil sample included: sample size, quality, depth, slope of sample site, soil horizon, colour and other notes. Sample size is rated from 1-5 with one being much too small sample size and 5 being the perfect sample size, filling roughly $\frac{3}{4}$ of the sample bag. Quality of the sample rated from 1-5 with 1 being very poor quality and 5 being excellent quality. Factors that include: sample size, soil development and quality (the lack of organics), and depth of sample all contribute to the overall quality attribute.

Silt Samples

Samplers and geologists collected silt samples at any stream they crossed while on a soil line or traverse. Attribute data collected for each silt sample included: sample size, quality, depth, water velocity and tributary order. Samples size is rated on a scale of 1-5 with 1 being a very small sample and 5 being the perfect sample amount, filling roughly $\frac{3}{4}$ of the sample bag. Factors that include: sample size and silt quality (lack or pebbles or mud) contribute to the overall quality attribute.

Sample Handling and Shipping Procedure

All samples were brought back to the Fireweed base in Whitehorse, YT; here soil and silt samples were arranged in order and laid to dry. Rock samples were also lined up in order of sampler and number. Samples with damaged bags or unclear labels were re-bagged and placed back into order. At the end of the program, a shipment was prepared. This would require one person going through each sample ensuring that all samples were in order and that any missing samples were accounted for with an empty bag marked with the sample number and "LS" for lost sample. The other person would record each sample number to be shipped. Once recorded, the samples were placed in rice bags labeled with the shipment number and addresses. Each shipping bag was kept under 25 kg. The list of samples was compared to the database and any discrepancies investigated. Once the list of samples to be shipped matched the database's records, the bags were sealed with a zip tie security seal.

Sample Preparation, Analysis and Security

The samples from the 2013 program were analyzed using ICP-MS (Mass Spectrometer), ICP-OES (Emission Spectrometer) and Fire Assay methods. The following methods were used during the program and are further described in section 3.2:

Rocks:

224-001: Crush 1kg to 80% passing -10 mesh, split 250g and pulverize to 85% passing -200 mesh

201-073 (ICP-OES): 34 element Aqua Regia ICP-OES

201-070 (ICP-OES): 34 element by 4 Acid Digest

202-052 (Au FA): 30 g FA with AAS Finish (Automatic Grav Overlimits)

7TD: 4 acid digestion Assay

Soils and Silts

224-012: sieve 100 g to -80 mesh

201-074 (ICP-MS): 36 element Aqua Regia ICP-MS

202-052 (Au FA): 30 g FA with ICP Finish

QAQC

Internal QAQC samples inserted by the lab into the sample sequence. All of the QAQC results fell within the acceptable levels.

3.2 Analytical Procedures



Mining Division
SPECIFICATIONS



AGAT Laboratories

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MINING DIVISION SPECIFICATIONS

AGAT Method Code: 201 074

AGAT SOP: MIN-200-12018

Method Description: This uses the Aqua Regia Digestion technique and the ICP-OES/ICP-MS.

Solubility of elements can be dependent on the mineral species present and as such, data reported from the aqua regia leach should be considered as representing only the leachable portion of a particular analyte.

Sample split size: 1 g

Steps

1. Aqua Regia Digestion
2. Prepared samples are digested with Aqua Regia for one hour using temperature controlled hot blocks.
3. Resulting digests are diluted to 50 mL with de-ionized water.
4. To finish, ICP-OES/ICP-MS instrumentation are used for analysis

Blanks, sample replicates, duplicates and internal reference materials, both aqueous and geochemical standards are routinely used as part of AGAT Laboratories' quality assurance program.

Instrumentation and Techniques

- PerkinElmer 7300DV and 8300DV ICP-OES instruments and PerkinElmer 9000 and PerkinElmer NexION ICP-MS instruments are used in the analysis.
- Inter-Element Correction (IEC) techniques are used to correct for any spectral interferences.

AGAT Method Code: 201 073

AGAT SOP: MIN-200-12018

Method Description: This uses the Aqua Regia Digestion technique and the ICP-OES.

Solubility of elements can be dependent on the mineral species present and as such, data reported from the aqua regia leach should be considered as representing only the leachable portion of a particular analyte.

Sample split size: 1 g

Steps

1. Aqua Regia Digestion
2. Prepared samples are digested with Aqua Regia for one hour using temperature controlled hot blocks.
3. Resulting digests are diluted to 50 mL with de-ionized water.
4. To finish, ICP-OES/ICP-MS instrumentation are used for analysis

Blanks, sample replicates, duplicates and internal reference materials, both aqueous and geochemical standards are routinely used as part of AGAT Laboratories' quality assurance program.

Instrumentation and Techniques

- PerkinElmer 7300DV and 8300DV ICP-OES instruments and PerkinElmer 9000 and PerkinElmer NexION ICP-MS instruments are used in the analysis.
- Inter-Element Correction (IEC) techniques are used to correct for any spectral interferences.





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AGAT Method Code: 202 052, 202 054

AGAT SOP: MIN-200-120006

Method Description: Lead Fusion Fire Assay with Inductively Coupled Plasma Optical Emission Spectroscopy (ICP-OES) are conducted to determine the content of gold, platinum and palladium in geological samples

Sample split size: 30 g

Steps

- Prepared samples are fused using accepted fire assay techniques
- After the samples are cupelled and parted in nitric acid and hydrochloric acid

Blanks, sample replicates, duplicates and internal reference materials, both aqueous and geochemical standards are routinely used as part of AGAT Laboratories' quality assurance program.

Instrumentation Used

- PerkinElmer 7300DV and 8300DV ICP-OES instruments are used in the analysis.

AGAT Method Code: 202 064

AGAT SOP: MIN-200-120004

Method Description: Lead Fusion Fire Assay with Gravimetric finish are performed to find the determination of gold and silver in mineralogical samples.

Sample split size: 30 g

Steps

- Prepared samples are fused using accepted fire assay techniques
- After the samples are cupelled and parted in nitric acid.

Blanks, sample replicates, duplicates, and internal reference materials (both aqueous and geochemical standards) are routinely used as part of AGAT Laboratories' quality assurance program.

Instrumentation Used

- Mettler Toledo XP6 microbalances are used in the analysis.



Mining Division ▪ Whitehorse

AGAT Method Code: 226 022, 226 001, 226 006, 226 012

AGAT SOP: MIN-12008, MIN-12009, MIN-12010, MIN-12011, MIN-200-12012, MIN-12013, MIN-200- 12013

Steps

1. Sample Reception – Laboratory Information Management System (LIMS)
2. Mining, drying of geological samples
3. Mining branches, crushing mineralogical samples
4. Mining branches, sample size reduction of mineralogical samples
5. Mining branches, milling of mineralogical samples
6. Standard operating procedure for compressed air usage
7. Compressed air usage – mining branches.

Sample Reception

- Samples will arrive via courier, client drop-off or picked up by AGAT Laboratories or an AGAT Laboratories representative.
- Samples are inspected and compared to the Chain of Custody (COC) and logged into the AGAT LIMS program.
- Deviations from the COC are noted in AGAT's Sample Integrity Report (SIR) and sent immediately to the client via email and posted on the clients AGAT webMINING account.

Drying: Specified samples are dried to 60°C.

Crushing and Splitting: Unless instructed by the client, specified samples are crushed to 75 per cent passing 10 mesh (2mm) and split to 250 g using a Jones riffler splitter or rotary split.

Pulverizing: Unless instructed by the client, specified samples are pulverized to 85 per cent passing 200 mesh (75µm).

Screening: After drying specific sample are shaken on an 80 mesh sieve with the plus fraction stored and the minus fraction sent to the laboratory for analysis.

All equipment are cleaned using quartz and air from a compressed air source. Blanks, sample replicates, duplicates, and internal reference materials (both aqueous and geochemical standards) are routinely used as part of AGAT Laboratories' quality assurance program.

Instrumentation Used

- Rocklabs Boyd Crusher with RSD Combo, TM Terminator Crushers, TM TM-2 Pulverizers are routinely used in sample preparation procedures.

3.3 Software

The following is a list of software used in the field and writing of this report:

- Arc GIS 9.3
- Microsoft Access
- Pendragon Forms
- Apache Open Office
- Adobe Acrobat 9

Appendix IV – Sample Descriptions and Locations

4.1 Rock Samples

4.2 Silt Samples

4.3 Soil Samples

4.1 Appendix - Rock Samples Location and Description

Friday, December 13, 2013

Sample Number	Project	Date	Type	Location Method	Easting	Northing	Major Rock Type	Grain Size	Description
AHRHR001	RH	9/17/2013	float	GPS	501040	6647783	tonalite		qtz vein in tonalite with pyrite min
AHRHR002	RH	9/17/2013	float	GPS	501074	6647763	tonalite	medium	qtz veining with mo and py min
AHRHR003	RH	9/17/2013	grab	GPS	501168	6648039	porphyry		highly fe stained py min
AHRHR004	RH	9/17/2013	grab	GPS	501038	6648407	volcaniclastic rock		
AHRHR005	RH	9/17/2013	grab	GPS	501030	6648573	tonalite	coarse	py bearing tonalite with qtz veining
AHRHR006	RH	9/17/2013	grab	GPS	501030	6648573	porphyry	medium	

4.2 Appendix - Silt Sample Location and Description

Friday, December 13, 2013

Sample Number	Project	Date	Type	Purpose	Location Method	Easting	Northing	UTM Zone	Depth	Size	Quality	Turbidity	Description
AHRHS001	RH	9/17/2013	silt	assay	GPS	499929	6648252	08N					
AHRHS002	RH	9/17/2013	silt	assay	GPS	500174	6646209	08N					
AHRHS003	RH	9/17/2013	silt	assay	GPS	500696	6645464	08N					
AHRHS004	RH	9/17/2013	silt	assay	GPS	502165	6650129	08N					creek dirt sample
AHRHS005	RH	9/17/2013	silt	assay	GPS	502634	6648755	08N					
AHRHS006	RH	9/17/2013	silt	assay	GPS	502589	6648665	08N					
CSRHS001	RH	9/17/2013	silt	assay	GPS	499906	6652169	08N	10	2	2	low	rocky
CSRHS002	RH	9/17/2013	silt	assay	GPS	499629	6648110	08N	10	3	3	extreme	rocky
CSRHS003	RH	9/17/2013	silt	assay	GPS	500357	6650012	08N	5	3	2	very low	rocky
CSRHS004	RH	9/17/2013	silt	assay	GPS	500543	6649929	08N	5	2	2	very low	rocky
CSRHS005	RH	9/17/2013	silt	assay	GPS	500745	6649901	08N	5	2	2	low	rocky
CSRHS006	RH	9/17/2013	silt	assay	GPS	500941	6649857	08N	5	3	2	very low	talus
CSRHS007	RH	9/17/2013	silt	assay	GPS	501128	6649778	08N	5	3	2	very low	talus

Sample Number	Project	Date	Type	Purpose	Location Method	Easting	Northing	UTM Zone	Depth	Size	Quality	Turbidity	Description
CSRHS008	RH	9/17/2013	silt	assay	GPS	501326	6649784	08N	5	4	3	dry	talus
CSRHS009	RH	9/17/2013	silt	assay	GPS	503153	6649784	08N	5	3	3	dry	talus
CSRHS010	RH	9/17/2013	silt	assay	GPS	503153	6650077	08N	5	3	2	high	rocky
CSRHS011	RH	9/17/2013	silt	assay	GPS	503190	6650729	08N	5	3	2	medium	rocky
CSRHS012	RH	9/17/2013	silt	assay	GPS	503822	6648498	08N	5	3	2	very low	rocky
KCRHS001	RH	9/17/2013	silt	assay	GPS	500507	6649468	08N	10	4	2	very low	
KCRHS002	RH	9/17/2013	silt	assay	GPS	499953	6647419	08N	10	4	2	medium	
KCRHS003	RH	9/17/2013	silt	assay	GPS	500703	6649428	08N	5	5	2	very low	
KCRHS004	RH	9/17/2013	silt	assay	GPS	500312	6649484	08N	5	5	2	very low	
KCRHS005	RH	9/17/2013	silt	assay	GPS	500817	6649341	08N	5	4	2	very low	
KCRHS006	RH	9/17/2013	silt	assay	GPS	501093	6649269	08N	10	4	2	very low	
KCRHS007	RH	9/17/2013	silt	assay	GPS	501261	6649156	08N	15	5	2	very low	
KCRHS008	RH	9/17/2013	silt	assay	GPS	501439	6649060	08N	10	5	1	very low	
KCRHS009	RH	9/17/2013	silt	assay	GPS	501581	6648925	08N	20	5	2	very low	

Sample Number	Project	Date	Type	Purpose	Location Method	Easting	Northing	UTM Zone	Depth	Size	Quality	Turbidity	Description
KCRHS010	RH	9/17/2013	silt	assay	GPS	502746	6650401	08N	15	4	4	low	
KCRHS011	RH	9/17/2013	silt	assay	map	502917	6645634	08N	15	3	3	high	

4.3 Appendix - Soil Sample Locations and Descriptions

Friday, December 20, 2013

Sample Number	Date	Type	GPS Accuracy (m)	Easting	Northing	Primary Colour	Slope	Depth (cm)	Quality	Notes
AHRHD001	9/17/2013	talus	5	501339	6648831	orange	0 - 20	5	4	surface talus
CSRHD001	9/17/2013	talus		501532	6649834	orange	0 - 20	5	4	surface talus

Appendix V – Analytical Certificates

5.1 Soil and Silt Samples

5.2 Rock Samples

5.1 Soil and Silt Samples

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES
SUITE 200 44-12 AVE SOUTH
CRANBROOK, BC V1C2R7
(778) 520-2000

ATTENTION TO: Chris Gallagher; Jesse Campbell

PROJECT NO: RH13-001

AGAT WORK ORDER: 13Y759781

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Analyst

DATE REPORTED: Sep 30, 2013

PAGES (INCLUDING COVER): 13

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Sep 18, 2013

DATE RECEIVED: Sep 18, 2013

DATE REPORTED: Sep 30, 2013

SAMPLE TYPE: Soil

Analyte:	Sample Login Weight	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr
Unit:	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
RDL:	0.01	0.01	0.01	0.1	0.005	5	1	0.05	0.01	0.01	0.01	0.01	0.1	0.5
AHRHD001 (4748351)	0.76	4.54	0.39	62.2	0.082	<5	109	0.15	32.7	0.01	0.19	58.3	1.7	<0.5
CSRHD001 (4748352)	0.66	18.4	1.53	>10000	2.49	<5	67	0.21	0.30	1.74	48.9	3.91	70.1	61.6
CSRH5001 (4748353)	0.64	0.71	1.49	224	0.023	<5	267	0.83	3.22	0.97	2.73	50.7	7.3	32.8
CSRH5002 (4748354)	0.60	0.38	1.36	32.9	0.006	<5	151	0.57	5.53	0.53	0.68	44.9	9.4	20.3
CSRH5003 (4748355)	0.42	1.21	1.55	214	0.019	<5	138	0.41	0.83	0.86	2.86	28.8	24.6	220
CSRH5004 (4748356)	0.53	2.05	1.84	239	0.056	<5	209	0.58	1.31	0.78	3.25	27.0	23.6	203
CSRH5005 (4748357)	0.60	2.19	2.01	213	0.020	<5	232	0.72	1.08	0.72	3.20	36.5	25.0	205
CSRH5006 (4748358)	0.58	2.15	1.76	277	0.029	<5	206	0.47	1.11	0.70	3.92	18.5	28.8	254
CSRH5007 (4748359)	0.54	2.32	2.13	289	0.044	<5	292	1.10	1.92	0.61	3.85	56.3	21.2	133
CSRH5008 (4748360)	0.66	2.55	2.01	287	0.034	<5	335	0.97	6.29	0.63	4.51	31.4	26.4	187
CSRH5009 (4748361)	0.67	2.23	2.42	297	0.030	<5	563	0.67	1.01	0.98	7.30	13.1	47.5	302
CSRH5010 (4748362)	0.75	0.33	1.60	70.2	0.012	<5	102	0.30	0.47	0.83	0.49	19.3	22.3	166
CSRH5011 (4748363)	0.67	0.28	1.82	32.1	0.006	<5	83	0.24	0.18	1.13	0.72	8.19	34.9	237
CSRH5012 (4748365)	0.71	7.77	2.81	503	0.063	<5	162	0.34	1.05	2.61	7.04	8.16	52.2	205
AHRH5001 (4748366)	0.68	0.49	0.81	6.9	0.012	<5	84	0.44	3.43	0.34	0.41	49.0	5.1	9.3
AHRH5002 (4748367)	0.69	1.27	2.00	24.1	0.007	<5	182	1.26	16.7	0.68	2.74	49.8	8.1	14.6
AHRH5003 (4748368)	0.62	0.56	2.05	12.7	0.009	<5	133	1.59	7.09	0.38	0.96	69.0	6.5	11.1
AHRH5004 (4748369)	0.49	0.91	2.70	275	0.022	<5	130	0.52	0.96	0.83	0.64	16.3	28.9	204
AHRH5005 (4748370)	0.70	1.38	2.35	42.8	0.009	<5	182	0.40	2.14	1.04	1.67	14.2	22.7	190
AHRH5006 (4748371)	0.81	0.45	1.77	18.9	<0.005	<5	144	0.37	4.62	0.90	0.80	22.6	14.1	86.6
KCRH5001 (4748372)	0.46	1.04	1.67	190	0.050	<5	494	0.96	2.62	0.33	1.43	70.3	9.5	19.1
KCRH5002 (4748373)	0.48	0.49	1.86	18.5	0.006	<5	187	0.60	11.6	0.76	0.85	32.5	12.3	34.5
KCRH5003 (4748374)	0.55	0.75	1.83	58.6	0.023	<5	703	1.78	2.42	0.97	2.64	91.8	9.8	21.3
KCRH5004 (4748375)	0.54	4.85	1.28	585	0.327	<5	327	1.06	5.26	0.50	6.32	73.2	10.9	25.1
KCRH5005 (4748376)	0.52	2.31	1.42	138	0.601	<5	637	1.62	2.47	0.62	3.38	84.6	11.4	23.9
KCRH5006 (4748377)	0.70	2.25	1.76	637	0.141	<5	363	1.27	2.57	0.69	3.25	60.7	17.7	46.0
KCRH5007 (4748378)	0.62	5.07	2.23	288	1.29	<5	423	0.95	2.90	0.82	8.19	48.6	23.7	92.3
KCRH5008 (4748379)	0.48	7.96	2.81	230	0.505	<5	389	1.10	14.8	0.93	5.51	44.1	25.6	74.0
KCRH5009 (4748380)	0.44	4.71	3.72	700	0.145	<5	223	1.37	1.99	1.06	5.90	29.6	25.0	87.4
KCRH5010 (4748381)	0.40	0.67	2.58	104	0.023	<5	160	0.49	1.57	1.03	0.93	16.4	23.7	107
KCRH5011 (4748382)	0.60	0.23	1.11	25.0	<0.005	<5	79	0.18	0.56	0.68	0.57	9.50	26.3	333

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Sep 18, 2013

DATE RECEIVED: Sep 18, 2013

DATE REPORTED: Sep 30, 2013

SAMPLE TYPE: Soil

Sample ID (AGAT ID)	Analyte:	Cs	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo
	Unit: RDL:	ppm 0.05	ppm 0.1	% 0.01	ppm 0.05	ppm 0.05	ppm 0.02	ppm 0.01	ppm 0.005	% 0.01	ppm 0.1	ppm 0.1	% 0.01	ppm 1	ppm 0.05
AHRHD001 (4748351)		2.80	5.8	12.2	2.50	0.18	0.18	0.05	0.072	0.72	32.1	0.6	0.03	136	24.2
CSRHD001 (4748352)		1.91	126	16.1	7.99	0.17	0.05	0.23	0.135	0.17	1.3	7.7	2.09	5960	9.45
CSRH5001 (4748353)		3.28	23.0	2.92	5.53	0.12	0.05	0.02	0.121	0.18	24.5	14.3	0.58	836	25.3
CSRH5002 (4748354)		6.39	61.4	2.88	4.98	0.12	0.11	0.04	0.028	0.21	25.0	27.0	0.68	541	19.1
CSRH5003 (4748355)		1.90	57.8	4.37	6.15	0.11	0.03	0.13	0.035	0.09	13.9	9.9	1.53	1250	2.70
CSRH5004 (4748356)		2.43	92.9	4.58	6.72	0.12	0.02	0.29	0.038	0.15	14.7	13.9	1.72	1440	2.63
CSRH5005 (4748357)		3.63	86.5	4.67	7.60	0.14	0.03	0.22	0.041	0.20	21.4	18.2	1.76	1410	2.99
CSRH5006 (4748358)		2.84	90.4	5.38	6.65	0.13	<0.02	0.34	0.038	0.10	9.3	12.5	1.91	1400	3.24
CSRH5007 (4748359)		4.16	80.6	4.44	7.16	0.13	<0.02	0.27	0.049	0.17	29.0	15.1	1.41	1900	5.97
CSRH5008 (4748360)		5.17	126	5.05	6.64	0.13	<0.02	0.24	0.049	0.12	14.7	11.9	1.65	2770	2.63
CSRH5009 (4748361)		5.03	183	5.55	6.78	0.13	<0.02	0.36	0.066	0.10	5.8	16.0	2.42	2920	1.55
CSRH5010 (4748362)		3.70	90.7	4.88	6.68	0.12	<0.02	0.04	0.027	0.07	9.6	15.6	1.71	886	0.66
CSRH5011 (4748363)		6.39	107	6.39	7.31	0.13	0.04	0.02	0.026	0.14	3.8	18.8	2.46	877	0.54
CSRH5012 (4748365)		11.8	239	5.96	9.40	0.14	0.04	0.03	0.119	0.28	3.7	17.8	3.16	1380	1.46
AHRH5001 (4748366)		3.51	27.5	1.83	3.60	0.11	0.04	0.02	0.017	0.16	27.2	19.6	0.38	378	5.20
AHRH5002 (4748367)		9.51	66.5	2.49	6.24	0.11	0.06	0.04	0.068	0.21	26.0	32.8	0.68	788	39.9
AHRH5003 (4748368)		15.0	28.0	2.36	8.68	0.12	0.08	0.07	0.083	0.25	39.3	47.2	0.53	1120	23.2
AHRH5004 (4748369)		6.44	128	4.09	9.55	0.12	0.04	0.09	0.046	0.07	8.7	18.4	2.45	1080	1.27
AHRH5005 (4748370)		8.03	94.6	4.33	7.16	0.11	0.06	0.02	0.044	0.26	6.8	17.9	2.24	773	2.39
AHRH5006 (4748371)		5.67	66.7	4.02	5.50	0.11	0.10	0.04	0.048	0.19	11.8	14.3	1.22	595	5.43
KCRH5001 (4748372)		3.67	40.0	3.38	5.89	0.12	0.02	0.04	0.030	0.18	33.3	17.2	0.63	1010	6.82
KCRH5002 (4748373)		7.07	141	3.71	6.14	0.11	0.16	0.04	0.030	0.31	19.6	30.2	1.03	676	21.6
KCRH5003 (4748374)		5.57	47.5	2.25	5.41	0.12	0.04	0.02	0.036	0.22	47.8	14.6	0.62	1330	2.53
KCRH5004 (4748375)		3.15	55.9	2.87	4.15	0.12	0.07	0.03	0.041	0.21	38.1	10.4	0.69	1140	5.53
KCRH5005 (4748376)		3.29	43.3	2.60	4.11	0.12	0.03	0.03	0.030	0.20	43.4	9.4	0.62	1400	6.08
KCRH5006 (4748377)		5.50	145	4.04	6.06	0.12	0.04	0.03	0.053	0.27	31.5	13.8	1.09	2070	11.5
KCRH5007 (4748378)		5.35	149	4.88	6.99	0.13	0.04	0.06	0.114	0.20	23.2	16.6	1.66	1820	2.93
KCRH5008 (4748379)		8.41	119	5.31	8.13	0.12	0.07	0.02	0.073	0.51	21.3	16.7	1.62	1280	7.01
KCRH5009 (4748380)		23.9	75.8	4.79	11.0	0.13	0.03	0.05	0.067	0.62	13.6	36.6	3.00	1890	3.92
KCRH5010 (4748381)		5.60	140	4.56	8.11	0.11	0.02	0.09	0.037	0.11	8.0	19.0	2.00	1300	1.88
KCRH5011 (4748382)		3.24	44.6	8.20	5.26	0.13	0.02	0.02	0.026	0.07	4.8	9.5	1.60	654	1.45

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

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CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Sep 18, 2013	DATE RECEIVED: Sep 18, 2013					DATE REPORTED: Sep 30, 2013					SAMPLE TYPE: Soil				
Analyte:	Na	Nb	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	
RDL:	0.01	0.05	0.2	10	0.1	0.1	0.001	0.005	0.05	0.1	0.2	0.2	0.2	0.01	
AHRHD001 (4748351)	0.04	0.22	<0.2	460	96.8	26.2	<0.001	1.38	2.37	1.1	2.2	0.9	47.8	<0.01	
CSRHD001 (4748352)	0.01	<0.05	84.0	106	946	8.0	<0.001	0.622	346	47.6	0.3	0.3	225	<0.01	
CSRH5001 (4748353)	0.03	1.13	7.8	1110	91.0	18.7	<0.001	0.034	3.30	4.6	1.0	2.6	125	<0.01	
CSRH5002 (4748354)	0.04	1.04	10.0	723	18.3	28.1	<0.001	0.048	0.65	4.1	0.7	1.0	64.1	<0.01	
CSRH5003 (4748355)	0.02	0.63	52.5	939	79.3	12.7	<0.001	0.078	32.3	8.2	0.2	0.3	55.1	<0.01	
CSRH5004 (4748356)	0.02	0.34	57.9	888	94.0	14.8	<0.001	0.047	43.5	10.4	0.3	0.4	73.8	<0.01	
CSRH5005 (4748357)	0.03	0.39	55.4	746	106	23.5	<0.001	0.036	37.2	9.4	<0.2	0.6	91.2	<0.01	
CSRH5006 (4748358)	0.02	0.11	67.4	765	119	9.7	<0.001	0.040	53.3	9.3	<0.2	0.3	90.8	<0.01	
CSRH5007 (4748359)	0.02	0.31	42.1	790	163	22.4	<0.001	0.053	37.3	7.5	0.2	0.6	88.1	<0.01	
CSRH5008 (4748360)	0.02	<0.05	50.0	863	110	12.7	<0.001	0.034	37.7	7.7	0.2	0.4	86.2	<0.01	
CSRH5009 (4748361)	0.01	<0.05	71.2	692	117	8.2	<0.001	0.050	127	13.2	0.3	0.3	110	<0.01	
CSRH5010 (4748362)	0.02	0.14	41.4	713	13.1	9.8	<0.001	0.042	6.10	8.7	0.3	0.4	72.1	<0.01	
CSRH5011 (4748363)	0.02	0.08	59.3	525	28.7	13.2	<0.001	0.033	5.47	11.2	0.4	0.3	93.9	<0.01	
CSRH5012 (4748365)	0.03	0.09	80.5	1250	636	21.4	<0.001	0.069	15.4	12.9	0.2	0.3	306	<0.01	
AHRH5001 (4748366)	0.02	2.31	4.4	620	12.1	24.6	<0.001	0.030	0.32	2.5	0.4	1.1	32.9	<0.01	
AHRH5002 (4748367)	0.04	1.42	7.5	869	103	36.5	<0.001	0.042	1.04	3.7	0.8	1.4	115	<0.01	
AHRH5003 (4748368)	0.02	2.06	5.8	848	25.6	58.2	<0.001	0.047	0.48	3.9	0.8	2.3	48.1	<0.01	
AHRH5004 (4748369)	0.03	0.44	83.9	1040	56.7	13.2	<0.001	0.074	11.5	14.3	0.5	0.6	47.6	<0.01	
AHRH5005 (4748370)	0.05	0.45	67.0	1080	87.8	28.4	<0.001	0.032	5.08	7.7	0.2	1.0	88.6	<0.01	
AHRH5006 (4748371)	0.05	0.66	28.9	1260	26.4	22.0	<0.001	0.045	1.97	4.8	0.5	2.3	69.9	<0.01	
KCRH5001 (4748372)	0.02	0.86	9.1	813	70.0	24.7	<0.001	0.049	7.05	2.6	<0.2	0.8	66.1	<0.01	
KCRH5002 (4748373)	0.06	0.88	16.6	1040	18.1	31.7	<0.001	0.074	0.60	5.1	0.8	1.3	85.1	<0.01	
KCRH5003 (4748374)	<0.01	0.20	10.5	595	116	18.1	<0.001	0.037	4.54	2.8	<0.2	0.5	146	<0.01	
KCRH5004 (4748375)	0.02	0.47	14.2	661	190	19.8	<0.001	0.092	16.6	2.9	0.2	0.4	104	<0.01	
KCRH5005 (4748376)	0.01	0.45	16.5	642	118	18.4	<0.001	0.100	12.5	2.9	<0.2	0.4	74.1	<0.01	
KCRH5006 (4748377)	0.02	0.30	25.0	854	111	21.4	<0.001	0.111	19.6	5.3	0.2	0.5	119	<0.01	
KCRH5007 (4748378)	0.03	0.19	45.8	997	314	16.5	<0.001	0.098	29.8	7.6	0.4	0.5	144	<0.01	
KCRH5008 (4748379)	0.07	0.22	33.0	953	206	34.1	<0.001	0.316	17.3	5.8	0.5	0.5	256	<0.01	
KCRH5009 (4748380)	0.01	0.37	46.3	946	71.9	59.0	0.001	0.104	22.2	8.9	0.4	0.4	71.5	<0.01	
KCRH5010 (4748381)	0.03	0.38	42.8	984	25.6	15.4	<0.001	0.050	10.6	9.4	0.4	0.7	132	<0.01	
KCRH5011 (4748382)	0.02	0.07	55.8	549	21.6	7.9	<0.001	0.028	3.00	5.9	0.4	0.7	40.6	<0.01	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

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CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Sep 18, 2013	DATE RECEIVED: Sep 18, 2013					DATE REPORTED: Sep 30, 2013					SAMPLE TYPE: Soil	
Analyte:	Te	Th	Ti	Tl	U	V	W	Y	Zn	Zr	As-OL	
Unit:	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
RDL:	0.01	0.1	0.005	0.01	0.05	0.5	0.05	0.05	0.5	0.5	0.01	
Sample ID (AGAT ID)												
AHRHD001 (4748351)	3.18	108	<0.005	0.27	5.35	8.5	0.77	4.01	33.8	6.7		
CSRHD001 (4748352)	0.15	1.2	0.034	0.56	0.09	315	0.66	5.14	1810	1.0	3.19	
CSRH5001 (4748353)	0.17	14.6	0.056	0.20	53.0	67.0	1.22	20.3	216	1.0		
CSRH5002 (4748354)	0.08	19.7	0.093	0.36	73.9	65.4	32.0	8.98	58.8	0.7		
CSRH5003 (4748355)	0.07	3.3	0.059	0.12	1.98	108	1.15	7.32	132	<0.5		
CSRH5004 (4748356)	0.08	11.5	0.065	0.17	7.61	111	0.78	10.5	176	0.5		
CSRH5005 (4748357)	0.07	13.4	0.097	0.25	2.50	110	0.91	14.2	190	1.1		
CSRH5006 (4748358)	0.07	6.0	0.082	0.16	0.94	136	0.81	7.46	208	0.8		
CSRH5007 (4748359)	0.12	16.1	0.058	0.25	4.86	85.2	1.16	15.1	230	<0.5		
CSRH5008 (4748360)	0.08	4.8	0.042	0.19	1.78	101	0.54	12.4	249	<0.5		
CSRH5009 (4748361)	0.09	1.8	0.051	0.23	0.45	111	0.62	8.65	419	<0.5		
CSRH5010 (4748362)	0.05	4.3	0.078	0.10	1.37	172	0.44	8.63	63.9	<0.5		
CSRH5011 (4748363)	0.12	1.2	0.183	0.26	0.42	234	0.46	7.09	86.0	1.3		
CSRH5012 (4748365)	0.28	1.0	0.144	0.37	0.34	194	0.64	6.51	239	1.4		
AHRH5001 (4748366)	0.05	18.4	0.079	0.24	11.0	36.1	4.73	10.2	37.3	0.7		
AHRH5002 (4748367)	0.08	21.0	0.064	0.39	117	47.7	16.6	11.4	173	<0.5		
AHRH5003 (4748368)	0.04	38.2	0.060	0.66	243	39.6	23.1	15.9	110	0.5		
AHRH5004 (4748369)	0.08	2.2	0.070	0.16	1.46	122	0.51	9.21	114	<0.5		
AHRH5005 (4748370)	0.14	3.2	0.165	0.40	0.77	129	8.99	7.06	100	0.7		
AHRH5006 (4748371)	0.16	4.9	0.135	0.32	1.77	107	29.2	8.14	65.8	<0.5		
KCRH5001 (4748372)	0.21	10.0	0.059	0.25	6.03	49.7	2.73	11.4	90.2	<0.5		
KCRH5002 (4748373)	0.08	12.6	0.141	0.42	66.2	90.9	43.5	9.64	91.4	1.0		
KCRH5003 (4748374)	0.07	23.9	0.005	0.16	5.26	22.4	1.58	16.7	142	1.5		
KCRH5004 (4748375)	0.45	37.6	0.056	0.21	8.03	39.9	1.18	15.0	150	3.0		
KCRH5005 (4748376)	0.18	28.4	0.038	0.18	6.04	36.3	0.91	13.4	118	<0.5		
KCRH5006 (4748377)	0.17	28.7	0.061	0.26	4.07	67.5	1.22	16.0	140	1.6		
KCRH5007 (4748378)	0.32	22.5	0.100	0.24	3.76	105	0.76	15.0	224	1.6		
KCRH5008 (4748379)	1.25	30.4	0.108	0.47	10.0	90.6	0.53	11.6	201	3.1		
KCRH5009 (4748380)	0.22	3.6	0.071	0.66	1.13	113	0.26	14.7	194	<0.5		
KCRH5010 (4748381)	0.10	2.8	0.130	0.19	1.24	143	3.38	8.31	96.6	<0.5		
KCRH5011 (4748382)	0.07	4.2	0.090	0.11	1.06	258	4.01	4.47	47.3	0.6		

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

DATE SAMPLED: Sep 18, 2013

DATE RECEIVED: Sep 18, 2013

DATE REPORTED: Sep 30, 2013

SAMPLE TYPE: Soil

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

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<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Sep 18, 2013	DATE RECEIVED: Sep 18, 2013	DATE REPORTED: Sep 30, 2013	SAMPLE TYPE: Soil
Analyte:	Au		
Unit:	ppm		
RDL:	0.001		
Sample ID (AGAT ID)			
AHRHD001 (4748351)	0.174		
CSRHD001 (4748352)	2.96		
CSRH5001 (4748353)	0.014		
CSRH5002 (4748354)	0.043		
CSRH5003 (4748355)	0.017		
CSRH5004 (4748356)	0.046		
CSRH5005 (4748357)	0.073		
CSRH5006 (4748358)	0.074		
CSRH5007 (4748359)	0.050		
CSRH5008 (4748360)	0.067		
CSRH5009 (4748361)	0.030		
CSRH5010 (4748362)	0.007		
CSRH5011 (4748363)	0.010		
CSRH5012 (4748365)	0.102		
AHRH5001 (4748366)	0.006		
AHRH5002 (4748367)	0.008		
AHRH5003 (4748368)	0.011		
AHRH5004 (4748369)	0.027		
AHRH5005 (4748370)	0.018		
AHRH5006 (4748371)	0.008		
KCRH5001 (4748372)	0.089		
KCRH5002 (4748373)	0.019		
KCRH5003 (4748374)	0.034		
KCRH5004 (4748375)	0.488		
KCRH5005 (4748376)	0.075		
KCRH5006 (4748377)	0.137		
KCRH5007 (4748378)	0.152		
KCRH5008 (4748379)	0.747		
KCRH5009 (4748380)	0.175		
KCRH5010 (4748381)	0.029		
KCRH5011 (4748382)	0.006		

Certified By:



AGAT Laboratories

Certificate of Analysis

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

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CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Sep 18, 2013

DATE RECEIVED: Sep 18, 2013

DATE REPORTED: Sep 30, 2013

SAMPLE TYPE: Soil

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

Parameter	REPLICATE #1				REPLICATE #2											
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	4748351	4.54	4.82	6.0%	4748371	0.45	0.41	9.3%								
Al	4748351	0.39	0.40	2.5%	4748371	1.77	1.71	3.4%								
As	4748351	62.2	65.5	5.2%	4748371	18.9	20.4	7.6%								
Au	4748351	0.0824	0.0889	7.6%	4748371	< 0.005	< 0.005	0.0%								
B	4748351	< 5	< 5	0.0%	4748371	< 5	< 5	0.0%								
Ba	4748351	109	98	10.6%	4748371	144	137	5.0%								
Be	4748351	0.15	0.18	18.2%	4748371	0.373	0.380	1.9%								
Bi	4748351	32.7	32.8	0.3%	4748371	4.62	3.69	22.4%								
Ca	4748351	0.01	0.01	0.0%	4748371	0.895	0.879	1.8%								
Cd	4748351	0.19	0.19	0.0%	4748371	0.80	0.83	3.7%								
Ce	4748351	58.3	57.3	1.7%	4748371	22.6	22.3	1.3%								
Co	4748351	1.7	1.7	0.0%	4748371	14.1	15.1	6.8%								
Cr	4748351	< 0.5	< 0.5	0.0%	4748371	86.6	92.5	6.6%								
Cs	4748351	2.80	2.99	6.6%	4748371	5.67	5.73	1.1%								
Cu	4748351	5.8	5.4	7.1%	4748371	66.7	65.6	1.7%								
Fe	4748351	12.2	12.2	0.0%	4748371	4.02	4.14	2.9%								
Ga	4748351	2.50	2.65	5.8%	4748371	5.50	5.82	5.7%								
Ge	4748351	0.18	0.18	0.0%	4748371	0.11	0.12	8.7%								
Hf	4748351	0.18	0.18	0.0%	4748371	0.105	0.123	15.8%								
Hg	4748351	0.052	0.042	21.3%	4748371	0.04	0.04	0.0%								
In	4748351	0.072	0.077	6.7%	4748371	0.048	0.054	11.8%								
K	4748351	0.72	0.73	1.4%	4748371	0.189	0.181	4.3%								
La	4748351	32.1	33.0	2.8%	4748371	11.8	11.1	6.1%								
Li	4748351	0.6	0.6	0.0%	4748371	14.3	14.5	1.4%								
Mg	4748351	0.03	0.03	0.0%	4748371	1.22	1.16	5.0%								
Mn	4748351	136	134	1.5%	4748371	595	605	1.7%								
Mo	4748351	24.2	24.8	2.4%	4748371	5.43	5.88	8.0%								
Na	4748351	0.04	0.04	0.0%	4748371	0.05	0.05	0.0%								
Nb	4748351	0.22	0.19	14.6%	4748371	0.66	0.72	8.7%								
Ni	4748351	< 0.2	< 0.2	0.0%	4748371	28.9	28.9	0.0%								
P	4748351	460	444	3.5%	4748371	1260	1330	5.4%								



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Pb	4748351	96.8	99.4	2.7%	4748371	26.4	28.5	7.7%								
Rb	4748351	26.2	28.2	7.4%	4748371	22.0	22.2	0.9%								
Re	4748351	< 0.001	< 0.001	0.0%	4748371	< 0.001	< 0.001	0.0%								
S	4748351	1.38	1.37	0.7%	4748371	0.045	0.041	9.3%								
Sb	4748351	2.37	2.51	5.7%	4748371	1.97	2.39	19.3%								
Sc	4748351	1.14	1.23	7.6%	4748371	4.81	4.98	3.5%								
Se	4748351	2.20	2.38	7.9%	4748371	0.5	0.5	0.0%								
Sn	4748351	0.9	0.9	0.0%	4748371	2.3	2.4	4.3%								
Sr	4748351	47.8	48.6	1.7%	4748371	69.9	74.1	5.8%								
Ta	4748351	< 0.01	< 0.01	0.0%	4748371	< 0.01	< 0.01	0.0%								
Te	4748351	3.18	3.52	10.1%	4748371	0.161	0.143	11.8%								
Th	4748351	108	109	0.9%	4748371	4.9	4.6	6.3%								
Ti	4748351	< 0.005	< 0.005	0.0%	4748371	0.135	0.134	0.7%								
Tl	4748351	0.270	0.285	5.4%	4748371	0.323	0.338	4.5%								
U	4748351	5.35	5.45	1.9%	4748371	1.77	1.96	10.2%								
V	4748351	8.5	8.5	0.0%	4748371	107	113	5.5%								
W	4748351	0.77	1.19		4748371	29.2	38.8	28.2%								
Y	4748351	4.01	4.15	3.4%	4748371	8.14	8.78	7.6%								
Zn	4748351	33.8	33.1	2.1%	4748371	65.8	62.0	5.9%								
Zr	4748351	6.74	7.11	5.3%	4748371	< 0.5	< 0.5	0.0%								

Fire Assay - Trace Au, ICP-OES finish (202052)

Parameter	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Au	4748351	0.174	0.101		4748352	2.96	2.95	0.3%	4748363	0.010	0.026		4748377	0.137	0.429	
Parameter	REPLICATE #5															
	Sample ID	Original	Replicate	RPD												
Au	4748378	0.152	0.182	18.0%												



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher; Jesse Campbell

Aqua Regia Digest - Metals Package, ICP/ICP-MS finish (201074)

Parameter	CRM #1 (CFRM-100)				CRM #2 (CFRM-100)										
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits							
Co	180	163	90%	90% - 110%	180	163	90%	90% - 110%							
Cu	3494	3224	92%	90% - 110%	3494	3262	93%	90% - 110%							
Ni	2985	2653	88%	90% - 110%	2985	2689	90%	90% - 110%							

Fire Assay - Trace Au, ICP-OES finish (202052)

Parameter	CRM #1 (1P5F)				CRM #2 (GS7E)										
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits							
Au	1.40	1.37	98%	90% - 110%	7.4	7.2	98%	90% - 110%							

Method Summary

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

ATTENTION TO: Chris Gallagher; Jesse Campbell

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12017		ICP-MS
Al	MIN-200-12017		ICP/OES
As	MIN-200-12017		ICP-MS
Au	MIN-200-12017		ICP-MS
B	MIN-200-12017		ICP/OES
Ba	MIN-200-12017		ICP-MS
Be	MIN-200-12017		ICP-MS
Bi	MIN-200-12017		ICP-MS
Ca	MIN-200-12017		ICP/OES
Cd	MIN-200-12017		ICP-MS
Ce	MIN-200-12017		ICP-MS
Co	MIN-200-12017		ICP-MS
Cr	MIN-200-12017		ICP/OES
Cs	MIN-200-12017		ICP-MS
Cu	MIN-200-12017		ICP-MS
Fe	MIN-200-12017		ICP/OES
Ga	MIN-200-12017		ICP-MS
Ge	MIN-200-12017		ICP-MS
Hf	MIN-200-12017		ICP-MS
Hg	MIN-200-12017		ICP-MS
In	MIN-200-12017		ICP-MS
K	MIN-200-12017		ICP/OES
La	MIN-200-12017		ICP-MS
Li	MIN-200-12017		ICP-MS
Mg	MIN-200-12017		ICP/OES
Mn	MIN-200-12017		ICP/OES
Mo	MIN-200-12017		ICP-MS
Na	MIN-200-12017		ICP/OES
Nb	MIN-200-12017		ICP-MS
Ni	MIN-200-12017		ICP-MS
P	MIN-200-12017		ICP/OES
Pb	MIN-200-12017		ICP-MS
Rb	MIN-200-12017		ICP-MS
Re	MIN-200-12017		ICP-MS
S	MIN-200-12017		ICP/OES
Sb	MIN-200-12017		ICP-MS
Sc	MIN-200-12017		ICP-MS
Se	MIN-200-12017		ICP-MS
Sn	MIN-200-12017		ICP-MS
Sr	MIN-200-12017		ICP-MS
Ta	MIN-200-12017		ICP-MS
Te	MIN-200-12017		ICP-MS
Th	MIN-200-12017		ICP-MS
Ti	MIN-200-12017		ICP/OES
Tl	MIN-200-12017		ICP-MS
U	MIN-200-12017		ICP-MS
V	MIN-200-12017		ICP/OES
W	MIN-200-12017		ICP-MS

Method Summary

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

AGAT WORK ORDER: 13Y759781

PROJECT NO: RH13-001

ATTENTION TO: Chris Gallagher; Jesse Campbell

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Y	MIN-200-12017		ICP-MS
Zn	MIN-200-12017		ICP-MS
Zr	MIN-200-12017		ICP-MS
As-OL	MIN-200-12002/12020		ICP/OES
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

5.2 Rock Samples

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES
SUITE 200 44-12 AVE SOUTH
CRANBROOK, BC V1C2R7
(778) 520-2000

ATTENTION TO: Chris Gallagher

PROJECT NO:

AGAT WORK ORDER: 13Y759787

SOLID ANALYSIS REVIEWED BY: Yufei Chen, Analyst

DATE REPORTED: Sep 30, 2013

PAGES (INCLUDING COVER): 12

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.



Certificate of Analysis

AGAT WORK ORDER: 13Y759787

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

4 Acid Digest - Metals Package, ICP-OES finish (201070)

DATE SAMPLED: Sep 18, 2013		DATE RECEIVED: Sep 18, 2013						DATE REPORTED: Sep 30, 2013						SAMPLE TYPE: Rock	
	Analyte:	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	Ga
	Unit:	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID)	RDL:	0.5	0.01	1	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	5
AHRHR001 (4748439)		<0.5	1.11	<1	58	<0.5	<1	1.16	<0.5	10	6.3	244	32.2	2.01	<5
AHRHR002 (4748440)		<0.5	0.22	3	12	<0.5	<1	0.12	<0.5	6	2.3	61.1	36.0	0.86	<5
AHRHR003 (4748441)		<0.5	6.58	<1	813	1.3	6	1.53	<0.5	47	6.3	82.8	49.3	4.70	15
AHRHR004 (4748442)		1.5	0.50	<1	7	<0.5	<1	8.46	<0.5	2	9.9	14.3	51.5	20.2	<5
AHRHR005 (4748443)		0.5	5.10	<1	538	0.9	5	2.29	<0.5	35	3.8	97.4	42.2	3.17	11
AHRHR006 (4748444)		<0.5	8.27	<1	670	1.6	10	3.00	<0.5	63	4.0	14.0	17.2	3.51	19
	Analyte:	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	S	Sb
	Unit:	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
Sample ID (AGAT ID)	RDL:	1	0.01	2	1	0.01	1	0.5	0.01	0.5	10	1	10	0.005	1
AHRHR001 (4748439)		<1	0.13	4	11	0.87	549	5.2	0.24	21.4	321	<1	13	0.068	1
AHRHR002 (4748440)		<1	0.04	<2	9	0.07	58	254	0.04	1.3	<10	<1	<10	0.087	<1
AHRHR003 (4748441)		<1	2.93	20	17	0.82	714	5.6	1.94	8.0	756	21	203	1.29	<1
AHRHR004 (4748442)		8	0.08	<2	2	8.34	3340	1.9	0.09	7.8	<10	8	<10	0.154	2
AHRHR005 (4748443)		3	1.30	17	21	1.46	500	2.3	1.10	10.1	779	41	193	0.898	1
AHRHR006 (4748444)		<1	3.36	27	17	1.04	520	4.3	2.05	2.7	1230	25	359	1.84	<1
	Analyte:	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	Y	Zn
	Unit:	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID)	RDL:	1	10	5	1	10	10	5	0.01	5	5	0.5	1	1	0.5
AHRHR001 (4748439)		5	13	<5	38	<10	<10	<5	0.08	<5	<5	39.4	34	6	30.7
AHRHR002 (4748440)		1	<10	<5	1	<10	<10	<5	<0.01	<5	<5	3.5	887	2	6.6
AHRHR003 (4748441)		13	<10	<5	232	10	<10	15	0.33	<5	<5	73.7	4	17	33.5
AHRHR004 (4748442)		<1	30	<5	22	<10	<10	25	<0.01	7	9	31.3	2	<1	150
AHRHR005 (4748443)		9	13	<5	258	<10	<10	6	0.26	<5	<5	83.5	5	11	62.6
AHRHR006 (4748444)		10	13	<5	456	10	<10	16	0.53	<5	<5	74.3	9	19	31.4

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759787

PROJECT NO:

5623 McADAM ROAD
 MISSISSAUGA, ONTARIO
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 TEL (905)501-9998
 FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

4 Acid Digest - Metals Package, ICP-OES finish (201070)

DATE SAMPLED: Sep 18, 2013 DATE RECEIVED: Sep 18, 2013 DATE REPORTED: Sep 30, 2013 SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Unit:	RDL:	Value
	Zr	ppm	5	
AHRHR001 (4748439)				8
AHRHR002 (4748440)				<5
AHRHR003 (4748441)				34
AHRHR004 (4748442)				<5
AHRHR005 (4748443)				15
AHRHR006 (4748444)				18

Comments: RDL - Reported Detection Limit
 4748439-4748444 As, Sb values may be low due to digestion losses.

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759787

PROJECT NO:

5623 McADAM ROAD
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CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 18, 2013		DATE RECEIVED: Sep 18, 2013					DATE REPORTED: Sep 30, 2013					SAMPLE TYPE: Rock				
	Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe	
	Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	
Sample ID (AGAT ID)	RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01	
AHRHR001 (4748439)		0.3	0.47	4	<5	22	<0.5	<1	0.55	<0.5	7	4.7	187	28.1	1.25	
AHRHR002 (4748440)		0.5	0.05	<1	<5	3	<0.5	<1	0.05	<0.5	1	2.4	38.2	35.3	0.69	
AHRHR003 (4748441)		0.4	1.75	2	<5	235	<0.5	<1	0.52	<0.5	29	6.6	71.0	51.7	4.79	
AHRHR004 (4748442)		0.3	0.10	9	7	<1	<0.5	10	0.87	<0.5	<1	5.3	3.6	47.8	16.2	
AHRHR005 (4748443)		0.7	2.40	5	<5	83	<0.5	<1	1.23	<0.5	15	3.7	71.0	39.3	2.40	
AHRHR006 (4748444)		0.2	1.59	4	<5	123	0.7	<1	1.18	<0.5	25	5.5	6.5	16.9	2.84	
	Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb	
	Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10	
AHRHR001 (4748439)		<5	<1	1	0.03	3	4	0.40	305	6.1	0.05	15.3	355	4.8	<10	
AHRHR002 (4748440)		<5	<1	4	0.01	<1	<1	0.03	39	286	<0.01	1.6	<10	0.6	<10	
AHRHR003 (4748441)		13	<1	<1	0.82	15	15	0.85	652	7.1	0.15	7.1	746	16.2	121	
AHRHR004 (4748442)		13	<1	<1	0.02	2	<1	0.79	650	<0.5	0.01	<0.5	<10	7.0	<10	
AHRHR005 (4748443)		9	<1	2	0.63	8	18	1.07	388	4.1	0.28	8.4	746	41.7	171	
AHRHR006 (4748444)		10	<1	<1	0.24	13	15	0.60	283	5.7	0.17	1.7	1170	14.5	41	
	Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W	
	Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	
Sample ID (AGAT ID)	RDL:	0.005	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1	
AHRHR001 (4748439)		0.067	1	2.8	<10	7	14.3	<10	<10	<5	0.05	<5	<5	25.2	27	
AHRHR002 (4748440)		0.089	<1	<0.5	<10	<5	1.4	<10	<10	<5	<0.01	<5	<5	3.0	164	
AHRHR003 (4748441)		1.52	2	12.7	<10	15	31.5	<10	<10	6	0.22	<5	<5	75.7	7	
AHRHR004 (4748442)		0.121	4	<0.5	19	<5	2.4	<10	<10	<5	<0.01	<5	<5	22.1	11	
AHRHR005 (4748443)		0.936	2	5.3	<10	15	89.8	<10	<10	<5	0.15	<5	<5	72.9	<1	
AHRHR006 (4748444)		1.90	<1	4.2	<10	18	57.3	<10	<10	10	0.25	<5	<5	45.1	7	

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759787

PROJECT NO:

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CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

DATE SAMPLED: Sep 18, 2013

DATE RECEIVED: Sep 18, 2013

DATE REPORTED: Sep 30, 2013

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Y	Zn	Zr
	Unit:	ppm	ppm	ppm
	RDL:	1	0.5	5
AHRHR001 (4748439)		4	17.3	<5
AHRHR002 (4748440)		2	4.9	<5
AHRHR003 (4748441)		13	33.7	<5
AHRHR004 (4748442)		<1	62.3	<5
AHRHR005 (4748443)		8	55.4	<5
AHRHR006 (4748444)		11	22.7	6

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 13Y759787

PROJECT NO:

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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FAX (905)501-0589
<http://www.agatlabs.com>

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

Fire Assay - Trace Au, ICP-OES finish (202052)

DATE SAMPLED: Sep 18, 2013

DATE RECEIVED: Sep 18, 2013

DATE REPORTED: Sep 30, 2013

SAMPLE TYPE: Rock

Sample ID (AGAT ID)	Analyte:	Sample Login Weight	Au
	Unit:	kg	ppm
	RDL:	0.01	0.001
AHRHR001 (4748439)		1.22	0.002
AHRHR002 (4748440)		1.52	0.005
AHRHR003 (4748441)		1.36	0.025
AHRHR004 (4748442)		1.67	0.046
AHRHR005 (4748443)		1.49	0.035
AHRHR006 (4748444)		1.38	0.007

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

4 Acid Digest - Metals Package, ICP-OES finish (201070)

Parameter	REPLICATE #1				RPD														
	Sample ID	Original	Replicate	RPD															
Ag	4748439	< 0.5	< 0.5	0.0%															
Al	4748439	1.11	0.94	16.6%															
As	4748439	< 1	< 1	0.0%															
Ba	4748439	58	51	12.8%															
Be	4748439	< 0.5	< 0.5	0.0%															
Bi	4748439	< 1	< 1	0.0%															
Ca	4748439	1.16	1.04	10.9%															
Cd	4748439	< 0.5	< 0.5	0.0%															
Ce	4748439	10	9	10.5%															
Co	4748439	6.27	5.89	6.3%															
Cr	4748439	244	230	5.9%															
Cu	4748439	32.2	28.7	11.5%															
Fe	4748439	2.01	1.79	11.6%															
Ga	4748439	< 5	< 5	0.0%															
In	4748439	< 1	< 1	0.0%															
K	4748439	0.13	0.10	26.1%															
La	4748439	4	4	0.0%															
Li	4748439	11	10	9.5%															
Mg	4748439	0.871	0.782	10.8%															
Mn	4748439	549	491	11.2%															
Mo	4748439	5.2	4.9	5.9%															
Na	4748439	0.24	0.22	8.7%															
Ni	4748439	21.4	20.4	4.8%															
P	4748439	321	305	5.1%															
Pb	4748439	< 1	< 1	0.0%															
Rb	4748439	13	12	8.0%															
S	4748439	0.068	0.060	12.5%															
Sb	4748439	1	< 1																
Sc	4748439	5	5	0.0%															
Se	4748439	13	< 10																
Sn	4748439	< 5	< 5	0.0%															



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

Sr	4748439	38	31	20.3%														
Ta	4748439	< 10	< 10	0.0%														
Te	4748439	< 10	< 10	0.0%														
Th	4748439	< 5	< 5	0.0%														
Ti	4748439	0.076	0.068	11.1%														
Tl	4748439	< 5	< 5	0.0%														
U	4748439	< 5	< 5	0.0%														
V	4748439	39.4	36.1	8.7%														
W	4748439	34	28	19.4%														
Y	4748439	6	5	18.2%														
Zn	4748439	30.7	27.7	10.3%														
Zr	4748439	8	< 5															

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

Parameter	REPLICATE #1				RPD													
	Sample ID	Original	Replicate															
Ag	4748439	0.3	0.3	0.0%														
Al	4748439	0.47	0.47	0.0%														
As	4748439	4	4	0.0%														
B	4748439	< 5	< 5	0.0%														
Ba	4748439	22	22	0.0%														
Be	4748439	< 0.5	< 0.5	0.0%														
Bi	4748439	< 1	< 1	0.0%														
Ca	4748439	0.554	0.566	2.1%														
Cd	4748439	< 0.5	< 0.5	0.0%														
Ce	4748439	7	7	0.0%														
Co	4748439	4.7	4.6	2.2%														
Cr	4748439	187	188	0.5%														
Cu	4748439	28.1	29.1	3.5%														
Fe	4748439	1.25	1.27	1.6%														
Ga	4748439	< 5	< 5	0.0%														
Hg	4748439	< 1	< 1	0.0%														
In	4748439	1	1	0.0%														
K	4748439	0.03	0.03	0.0%														
La	4748439	3	3	0.0%														



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

Li	4748439	4	5	22.2%															
Mg	4748439	0.402	0.407	1.2%															
Mn	4748439	305	304	0.3%															
Mo	4748439	6.1	6.3	3.2%															
Na	4748439	0.054	0.055	1.8%															
Ni	4748439	15.3	14.8	3.3%															
P	4748439	355	351	1.1%															
Pb	4748439	4.8	3.4																
Rb	4748439	< 10	< 10	0.0%															
S	4748439	0.067	0.070	4.4%															
Sb	4748439	1	1	0.0%															
Sc	4748439	2.8	2.7	3.6%															
Se	4748439	< 10	< 10	0.0%															
Sn	4748439	7	7	0.0%															
Sr	4748439	14.3	14.8	3.4%															
Ta	4748439	< 10	< 10	0.0%															
Te	4748439	< 10	< 10	0.0%															
Th	4748439	< 5	< 5	0.0%															
Ti	4748439	0.05	0.05	0.0%															
Tl	4748439	< 5	< 5	0.0%															
U	4748439	< 5	< 5	0.0%															
V	4748439	25.2	24.7	2.0%															
W	4748439	27	26	3.8%															
Y	4748439	4	4	0.0%															
Zn	4748439	17.3	17.1	1.2%															
Zr	4748439	< 5	< 5	0.0%															

Fire Assay - Trace Au, ICP-OES finish (202052)

Parameter	Sample ID	REPLICATE #1		RPD																
		Original	Replicate																	
Au	4748439	0.002	0.003																	



CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

ATTENTION TO: Chris Gallagher

4 Acid Digest - Metals Package, ICP-OES finish (201070)

Parameter	CRM #1 (GTS-2a)				CRM #2 (CFRM-100)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Al	6.96	6.44	93%	90% - 110%												
As	124	113	91%	90% - 110%												
Ba	186	169	91%	90% - 110%												
Ca	4.01	3.62	90%	90% - 110%												
Co	22.1	21.5	97%	90% - 110%												
Cu	88.6	82.9	94%	90% - 110%												
Fe	7.56	6.9	91%	90% - 110%												
K	2.021	1.849	91%	90% - 110%												
Mg	2.412	2.244	93%	90% - 110%												
Mn	1510	1502	99%	90% - 110%												
Na	0.617	0.582	94%	90% - 110%												
Ni	77.1	75.3	98%	90% - 110%												
P	892	948	106%	90% - 110%												
S	0.348	0.323	93%	90% - 110%												
Sr	92.8	84.7	91%	90% - 110%												
Zn	208	198	95%	90% - 110%												

Aqua Regia Digest - Metals Package, ICP-OES finish (201073)

Parameter	CRM #1 (CFRM-100)				CRM #2 (CFRM-100)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Co	184	171	93%	90% - 110%	184	167	90%	90% - 110%								
Cu	3494	3669	105%	90% - 110%	3494	3464	99%	90% - 110%								
Ni	2985	2697	90%	90% - 110%	2985	2737	91%	90% - 110%								

Fire Assay - Trace Au, ICP-OES finish (202052)

Parameter	CRM #1 (GS7E)				CRM #2 (CFRM-100)											
	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	7.4	7.2	97%	90% - 110%												

Method Summary

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

AGAT WORK ORDER: 13Y759787

PROJECT NO:

ATTENTION TO: Chris Gallagher

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Ag	MIN-200-12002/12020		ICP/OES
Al	MIN-200-12002/12020		ICP/OES
As	MIN-200-12002/12020		ICP/OES
Ba	MIN-200-12002/12020		ICP/OES
Be	MIN-200-12002/12020		ICP/OES
Bi	MIN-200-12002/12020		ICP/OES
Ca	MIN-200-12002/12020		ICP/OES
Cd	MIN-200-12002/12020		ICP/OES
Ce	MIN-200-12002/12020		ICP/OES
Co	MIN-200-12002/12020		ICP/OES
Cr	MIN-200-12002/12020		ICP/OES
Cu	MIN-200-12002/12020		ICP/OES
Fe	MIN-200-12002/12020		ICP/OES
Ga	MIN-200-12002/12020		ICP/OES
In	MIN-200-12002/12020		ICP/OES
K	MIN-200-12002/12020		ICP/OES
La	MIN-200-12002/12020		ICP/OES
Li	MIN-200-12002/12020		ICP/OES
Mg	MIN-200-12002/12020		ICP/OES
Mn	MIN-200-12002/12020		ICP/OES
Mo	MIN-200-12002/12020		ICP/OES
Na	MIN-200-12002/12020		ICP/OES
Ni	MIN-200-12002/12020		ICP/OES
P	MIN-200-12002/12020		ICP/OES
Pb	MIN-200-12002/12020		ICP/OES
Rb	MIN-200-12002/12020		ICP/OES
S	MIN-200-12002/12020		ICP/OES
Sb	MIN-200-12002/12020		ICP/OES
Sc	MIN-200-12002/12020		ICP/OES
Se	MIN-200-12002/12020		ICP/OES
Sn	MIN-200-12002/12020		ICP/OES
Sr	MIN-200-12002/12020		ICP/OES
Ta	MIN-200-12002/12020		ICP/OES
Te	MIN-200-12002/12020		ICP/OES
Th	MIN-200-12002/12020		ICP/OES
Ti	MIN-200-12002/12020		ICP/OES
Tl	MIN-200-12002/12020		ICP/OES
U	MIN-200-12002/12020		ICP/OES
V	MIN-200-12002/12020		ICP/OES
W	MIN-200-12002/12020		ICP/OES
Y	MIN-200-12002/12020		ICP/OES
Zn	MIN-200-12002/12020		ICP/OES
Zr	MIN-200-12002/12020		ICP/OES
Ag	MIN-200-12020		ICP/OES
Al	MIN-200-12020		ICP/OES
As	MIN-200-12020		ICP/OES
B	MIN-200-12020		ICP/OES
Ba	MIN-200-12020		ICP/OES
Be	MIN-200-12020		ICP/OES

Method Summary

CLIENT NAME: TERRALOGIC EXPLORATION SERVICES

AGAT WORK ORDER: 13Y759787

PROJECT NO:

ATTENTION TO: Chris Gallagher

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Bi	MIN-200-12020		ICP/OES
Ca	MIN-200-12020		ICP/OES
Cd	MIN-200-12020		ICP/OES
Ce	MIN-200-12020		ICP/OES
Co	MIN-200-12020		ICP/OES
Cr	MIN-200-12020		ICP/OES
Cu	MIN-200-12020		ICP/OES
Fe	MIN-200-12020		ICP/OES
Ga	MIN-200-12020		ICP/OES
Hg	MIN-200-12020		ICP/OES
In	MIN-200-12020		ICP/OES
K	MIN-200-12020		ICP/OES
La	MIN-200-12020		ICP/OES
Li	MIN-200-12020		ICP/OES
Mg	MIN-200-12020		ICP/OES
Mn	MIN-200-12020		ICP/OES
Mo	MIN-200-12020		ICP/OES
Na	MIN-200-12020		ICP/OES
Ni	MIN-200-12020		ICP/OES
P	MIN-200-12020		ICP/OES
Pb	MIN-200-12020		ICP/OES
Rb	MIN-200-12020		ICP/OES
S	MIN-200-12020		ICP/OES
Sb	MIN-200-12020		ICP/OES
Sc	MIN-200-12020		ICP/OES
Se	MIN-200-12020		ICP/OES
Sn	MIN-200-12020		ICP/OES
Sr	MIN-200-12020		ICP/OES
Ta	MIN-200-12020		ICP/OES
Te	MIN-200-12020		ICP/OES
Th	MIN-200-12020		ICP/OES
Ti	MIN-200-12020		ICP/OES
Tl	MIN-200-12020		ICP/OES
U	MIN-200-12020		ICP/OES
V	MIN-200-12020		ICP/OES
W	MIN-200-12020		ICP/OES
Y	MIN-200-12020		ICP/OES
Zn	MIN-200-12020		ICP/OES
Zr	MIN-200-12020		ICP/OES
Sample Login Weight	MIN-12009		BALANCE
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP-OES

Appendix VI – Bedrock Geologic Mapping

6.1 Station Locations

6.2 Lithology

6.3 Mineralization

6.4 Structure

6.1 Appendix - Station Locations

Monday, December 16, 2013

Station Number	Project	Date	Location Method	Map Datum	UTM Zone	Easting	Northing	Accuracy (m)
AHRHG001	RH	9/17/2013	GPS	NAD83	8N	501040	6647783	5
AHRHG002	RH	9/17/2013	GPS	NAD83	8N	501074	6647763	5
AHRHG003	RH	9/17/2013	GPS	NAD83	8N	501168	6648039	4
AHRHG004	RH	9/17/2013	GPS	NAD83	8N	501027	6648346	3
AHRHG005	RH	9/17/2013	GPS	NAD83	8N	501038	6648407	3
AHRHG006	RH	9/17/2013	GPS	NAD83	8N	501032	6648418	5
AHRHG007	RH	9/17/2013	GPS	NAD83	8N	501030	6648573	10
AHRHG008	RH	9/17/2013	GPS	NAD83	8N	501093	6648606	12
AHRHG009	RH	9/17/2013	GPS	NAD83	8N	501125	6648620	12
AHRHG010	RH	9/17/2013	GPS	NAD83	8N	501561	6648938	5

6.2 Appendix - Lithology

Monday, December 16, 2013

Station Number	Project	Degree of Transport	Major Rock Type	Grain Size
AHRHG001	RH	float	tonalite	
AHRHG002	RH	outcrop	tonalite	medium
AHRHG003	RH	outcrop	porphyry	
AHRHG004	RH	outcrop	tonalite	
AHRHG004	RH	outcrop	volcaniclastic rock	
AHRHG005	RH	outcrop	limestone	
AHRHG005	RH	outcrop	volcaniclastic rock	
AHRHG006	RH	outcrop	tonalite	
AHRHG006	RH	outcrop	volcaniclastic rock	
AHRHG007	RH	outcrop	tonalite	coarse
AHRHG007	RH	outcrop	porphyry	medium
AHRHG008	RH	outcrop	granodiorite	
AHRHG009	RH	outcrop	porphyry	
AHRHG010	RH	outcrop	limestone	
AHRHG010	RH	outcrop	volcaniclastic rock	

6.3 Appendix - Mineralization

Monday, December 16, 2013

Station Number	Style	MinNum	Mineral	Modal %	Grain Size	Style
AHRHG002	veinlets	1	pyrite	0.1	medium-fine	
AHRHG002	veinlets	1	molybdenite	0.1	medium-fine	
AHRHG003	fractures	1	pyrite	5	medium-fine	blebby
AHRHG004	disseminated	1	pyrite	5	medium-fine	
AHRHG004	disseminated	1	magnetite	1	medium-fine	
AHRHG005	disseminated	1	pyrite	5		
AHRHG005	disseminated	1	molybdenite	3		
AHRHG006	blebby	1	pyrite	1	coarse	blebby
AHRHG006	blebby	1	magnetite	0.1	medium	blebby
AHRHG007	disseminated	1	pyrite	2		

6.4 Appendix - Structure

Monday, December 16, 2013

Station Number	Date	Structure Number	Name	Azimuth	Dip	Quality	Notes
AHRHG003	9/17/2013	1	dike	340		moderate	
AHRHG004	9/17/2013	1	contact - lithologic	310		good	
AHRHG004	9/17/2013	2	fracture	45	73	good	
AHRHG005	9/17/2013	1	cleavage	20	90	good	
AHRHG005	9/17/2013	2	joint	295	65	good	
AHRHG007	9/17/2013	1	contact - lithologic	130		moderate	irregular contact
AHRHG008	9/17/2013	1	joint	60	72	good	
AHRHG009	9/17/2013	1	slickenline	300	33	good	
AHRHG010	9/17/2013	1	contact - lithologic	150		moderate	exposure of limestone bed looks to be acrossbowl to the south