

Report 096914

Redtail Metals Corp – 2012 Diamond Drilling Summary on the R-15 Project

This report was submitted to the Lands Branch of Yukon government by Redtail Metals Corp who optioned the property from Kaska Minerals Corp. Kaska Minerals holds a lease of Mining Rights to the property, granted by the Yukon government.

Note: This report was not filed for assessment credit.

2012 Diamond Drilling Summary Report
R15 Project
Watson Lake Mining District, Yukon Territory
Work Period: September 18, 2012 to October 2, 2012

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December 1, 2012

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Item 1: Summary

The R15 Property consists of one Yukon Government Lease of Mining Rights between the Yukon Government and Kaska Minerals Corporation dated February 3, 2004, covering approximately 43 km² (4,304ha) of prospective ground including the R15 volcanic hosted massive sulphide (VMS) deposit. It is located within the Finlayson Lake District, in the south eastern portion of the Yukon Territory, Canada.

In 2012, Redtail Metals Signed an option agreement with Kaska Minerals Corporation to acquire a 95% interest in the property and subsequently drilled a total of 5 diamond drill holes (686.88m) on the property between September 18, and October 2, 2012. All five holes intersected significant massive sulphide mineralization consisting of disseminated to semi-massive to massive sulphide including sphalerite, galena, pyrite, pyrrhotite, and minor chalcopyrite. The best result was hole R12-11 which intersected 8.25m of 8.49% Zn, 3.94% Pb, 0.24% Cu, 34.70g/t Ag, 0.061g/t Au. The mineralized horizon was relatively consistent and strikes 330° and dips 10-15° to the northeast and is currently open in all directions on the property except where it is cut-off to the northwest by Teck' claims that cover the GP4F deposit (1.5 Mt @ at 6.4% Zn, 3.1% Pb, 2 g/t Au, 90 g/t Ag (Peter, et al., 2007)) located approximately 400m to the northwest. Stratigraphy was broadly consistent with abundant internal variation and consisted of felsic meta-volcanic and meta-volcaniclastic rocks with and fine-grained meta-sedimentary rocks. Felsic volcanics are more abundant in the north and carbonaceous argillite is more abundant in the south end of the deposit.

Item 2: Introduction

The R15 Property is located in the prolific Finlayson Lake District; a crescent-shaped portion of the Yukon Tanana Terrane (YTT) located in the south-eastern part of the Yukon Territory (Figure 1.1).

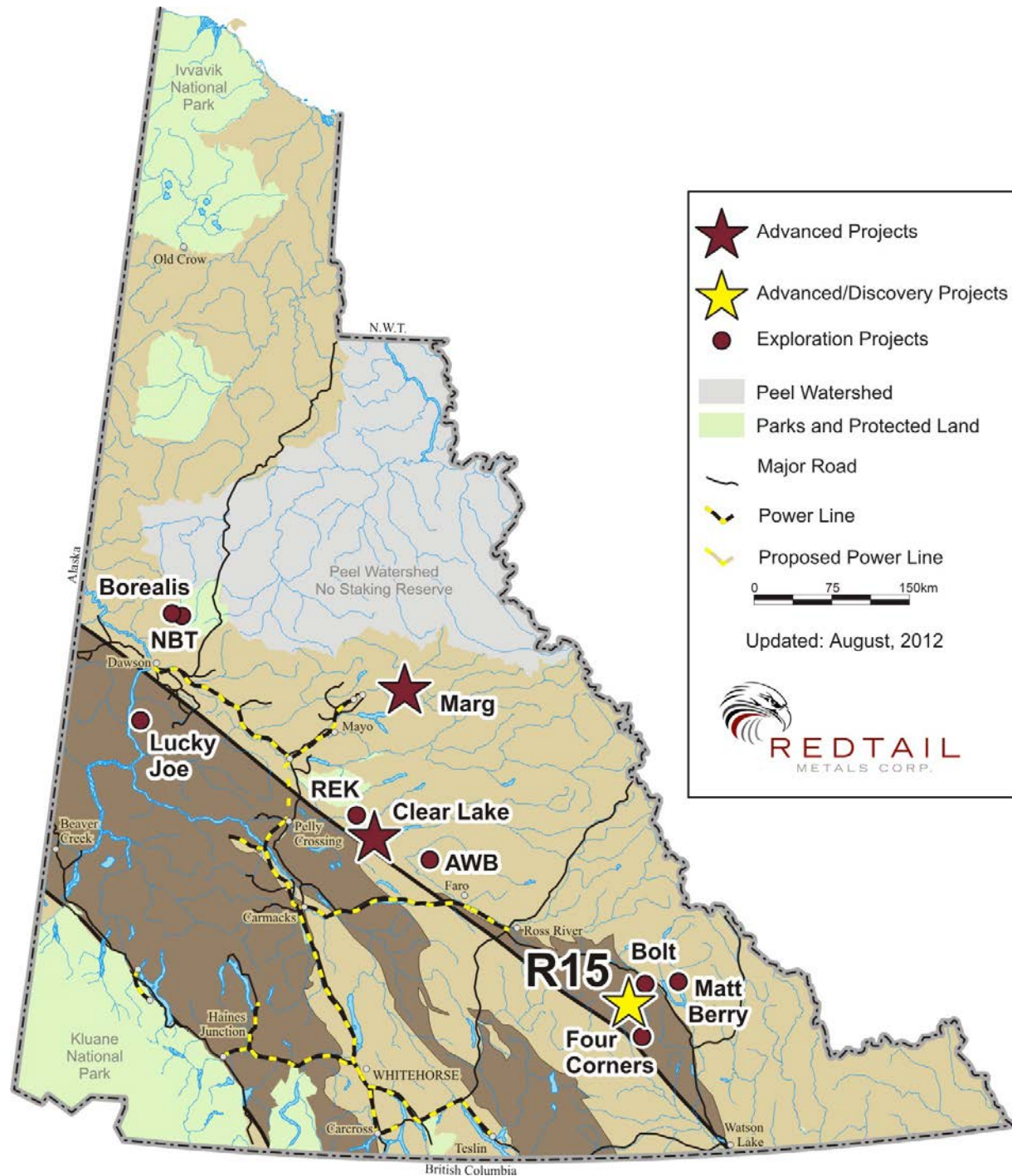


Figure 1.1. A map of the Yukon showing the location of the R15 Project along with the other Redtail Metals properties.

The Yukon-Tanana Terrane hosts numerous other VMS deposits including Kudz Ze Kayah (Indicated - 13.7M tonnes @ 6.0% Zn, 1.61% Pb, 0.90% Cu, 139 g/t Ag, 1.38 g/t Au), GP4F (Inferred - 1.5M tonnes @ 6.4% Zn, 3.1% Pb, 0.10% Cu, 90.0 g/t Ag, 2.0 g/t Au), Wolverine (M and I - 4.4M tonnes @ 12.14% Zn, 1.58% Pb, 1.16% Cu, 354 g/t Ag, 1.7 g/t Au and Inferred - 1.6M tonnes @ 12.16% Zn, 1.74% Pb, 1.23% Cu, 385 g/t Ag, 1.7 g/t Au), Ice (Indicated Resource 4.5M tonnes @ 1.48% Cu), and Fyre Lake (Indicated - 3.6M tonnes @ 1.57% Cu, 0.10% Co, 0.61 g/t Au Inferred - 5.4M tonnes 1.48% Cu, 0.08% Co, 0.53 g/t Au).

The property lies approximately 30km west of the Wolverine Deposit, 10 km east of the Kudz Ze Kayah Deposit, and 500m west, and generally along strike with, the GP4F deposit. It is approximately 25 km south of the all-season Robert Campbell Highway and less than 7 km from the KZK access road (Figure 1.2).

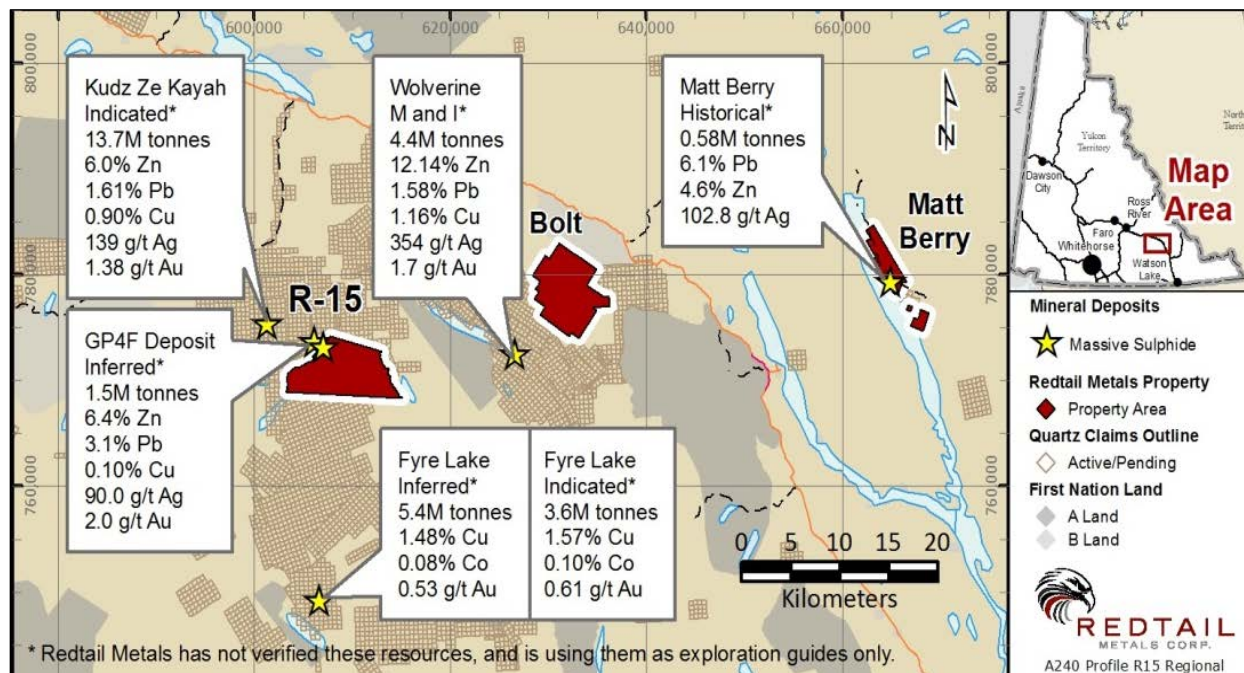


Figure 1.2. A map of the Finlayson District showing the location of the R15 Project along with the other VMS deposits.

Item 3: Reliance on Other Experts

All historical data for the R15 project was derived from MacRobbie and Holroyd, 2004, who drilled the property in 2004 under an option agreement between Teck Cominco Ltd. and Kaska Minerals Corporation.

Item 4: Property Description and Location

The R15 Property consists of one Yukon Government Lease of Mining Rights dated February 3, 2004 and covers approximately 43 km² (4,304ha). It is located approximately 120km ESE of Ross River and approximately 25km southwest of the Robert Campbell Highway. The property is located on NTS Mapsheet 105G/08 centered on Latitude: 61.42° and Longitude: -130.46° or 422279E, 6810505N (UTM NAD 83, Zone 9). The property is located approximately 7km east-southeast of the Kudz Ze Kayah deposit, approximately 500m east of the GP4F deposit and approximately 30 southwest of the Wolverine deposit.

The property covers a 3-6m thick horizon of massive sulphide hosted within Mississippian-aged metavolcanic and metasediments of the Kudz Ze Kayah Formation within the Grass Lakes Succession. Mineralization is very similar to Teck's GPF4 deposit with an inferred 1.5 million tonnes at 6.4% Zn, 3.1% Pb, 2 g/t Au, 90 g/t Ag (Peter, et al., 2007).

In 2012, Redtail Metals signed an agreement with the Kaska Mineral Corp. to acquire a 95% participating interest in the R15 Property by paying \$1,000,000 in cash and issuing 2,000,000 of the Company's shares, in stages, over a four year period, incurring exploration expenditures totaling \$3,500,000 on the R15 Project over a six year period and delivering a prefeasibility study on or before March 31, 2020.

To retain its 5% interest KMC must pay the Company 1.5 times the proportionate share of exploration costs incurred prior to the exercise of the option, which sum will be paid from KMC's share of proceeds from production. KMC will also retain a 25% non-participating carried interest in the R15 Project, which will convert into a 25% participating interest following recovery by the Company of all expenditures following exercise of the Option Agreement. From production, KMW will receive an annual payment of \$1,000,000 (\$500,000 if the price of Zinc is less than \$0.55/lb) which is also recoverable by the Company as set forth above.

Pursuant to the Exploration Memorandum of Understanding, the Company has agreed to pay to Ross River Dena Council an annual supplement of \$70,000 during the currency of the Option Agreement, as well as, annually, to contribute to a Community Development Fund 6% of the exploration expenditures incurred under the Option Agreement. The Exploration Memorandum of Understanding also provides that the parties will negotiate in good faith a Socio Economic Participation Agreement ensuring equitable participation in the economic benefits of the R15 Project and continues stable funding of the Community Development Fund.

Item 5: Accessibility, Climate, Local Resources, Infrastructure and Physiography

The Property is accessible by helicopter from Ross River (approximately 35 minute flight) or Faro (approximately 50 minute flight). For this exploration program the Kudz Ze Kayah camp was used as a staging area to mobilize the drill and a fly camp to the camp site located at (0420509E, and 6812977N NAD83 Zone 9). The Kudz Ze Kayah camp is located approximately 6km northwest of the R15 mineralization and is accessible by a 24km all-weather gravel road from the Robert Campbell Highway, which connects Ross River and Watson Lake. The R15 Camp is a 5 minute helicopter flight from the KZK staging area. Ross River, Faro, and Watson Lake are all less than one hour helicopter flights from the R15 Camp.

The Finlayson District is characterized by moderate relief with elevations ranging from 1,200m to 1,700m. The Property is located at approximately 64° north latitude and is subject to a subarctic climate with average

temperatures ranging from 15 °C (60 °F) in July to -26 °C (-16 °F) in January with temperatures commonly reaching above 30 °C (86 °F) in the summer and below -40 °C (-40 °F) in the winter. Average annual precipitation for Ross River is 225 mm and the annual frost free days is approximately 110 days. South facing slopes are generally snow free from early May, with frost leaving the ground by the middle to end of May. North facing slopes are generally free of snow by mid to end of May, with permafrost often remaining year-round. The property is near the tree-line and the vegetation is dominated by buck brush and stunted spruce trees.

For the 2012 exploration program a fly camp was established at 0420509E, and 6812977N (NAD83 Zone 9) with a kitchen tent, dry tent, first aid tent, office/core logging tent and two sleeping tents. Non-potable water was sources from the north lake and potable water was flown into camp in 4 gallon jugs. The drill core was logged, sampled, and cut on the property and was cross piled and stored at the camp location 0420509E, and 6812977N (NAD83 Zone 9). At the end of the program the camp was disassembled and removed from site. The plywood tent floors and timbers were left on site for future exploration programs.

Item 6: History

Interest in the Finlayson District began in 1992 when soil and silt samples with elevated base metals concentrations led Teck Cominco to the discovery of well mineralized massive sulphide float in the Kudz Ze Kayah area. Following a HLEM/Mag survey, Teck staked the TAG claims in 1993, and drilled the discovery hole for the Kudz Ze Kayah deposit in 1994 (McRobbie and Holroyd, 2004).

The discovery of the Kudz Ze Kayah deposit in 1994 led to a significant staking rush in the Finlayson District and was the first of several significant polymetallic VMS discoveries in the district. In 1995, the Wolverine deposit (Res.) was discovered by Westmin Resources and Atna Resources followed by the discovery of the Fyre Lake deposit in 1995, the Ice deposit in 1996, and the GP4F Deposit in 1998.

In 2004, Teck Cominco Limited optioned the R15 Block from Kaska Minerals Corporation and subsequently completed a UTEM ground geophysical survey and outlined several geophysical anomalies. Following the geophysical survey, Teck drilled 7 diamond drill holes on the property (MacRobbie and Holroyd, 2004). Four of the drill holes intersected the R15 mineralized horizon, and one drill hole intersected massive sulphide mineralization potentially stratigraphically above the R15 horizon.

Significant intersections from the 2004 Diamond Drilling Program (MacRobbie and Holroyd, 2004).

Hole	From (m)	To (m)	Interval (m)	Zn (%)	Pb (%)	Cu (%)	Ag (ppm)	Au (ppb)
R04-001	37.3	37.65	0.4	2.95	0.64	1.63	1491.3	5820
and	136	137.3	1.3	12.96	5.74	0.46	87.2	114

R04-002	78	78.5	0.5	6.33	3.75	0.09	55.9	194
and	80.6	82.5	1.9	6.13	4.15	0.11	43.3	48
R04-005	79.9	83	3.1	14.97	7.47	0.39	95.8	380
R04-006	68.5	71.9	3.4	15.84	7.09	0.2	68	268
R04-007	181.2	184.2	3	14.51	7.58	0.32	103.5	273

In 2012, Redtail Metals signed an agreement with the Kaska Mineral Corp. to acquire a 95% participating interest in the R15 Property.

Item 7: Geological Setting and Mineralization

The R15 mineralization is located in the prolific Finlayson Lake District; a crescent-shaped portion of the Late Devonian to Early Permian Yukon Tanana Terrane (YTT) located in the south-eastern part of the Yukon Territory (Mortensen and Jilson, 1985; Mortensen, 1992b; Colpron et al., 2006a). All felsic volcanic associated VMS deposits within the YTT occur in the Big Campbell Thrust Sheet which can be divided into three stratigraphic successions. The lowermost succession is the Grass Lakes Succession, which is unconformably overlain by the Wolverine Succession, and which is unconformably overlain by the Campbell Range Succession.

The Grass Lakes Succession is divided into three formations. The lowermost formation is the North River Formation which is conformably overlain by the Fyre Lake Formation which is in turn conformably overlain by the Kudz Ze Kayah Formation which hosts the Kudz Ze Kayah, GP4F and R15 Mineralized horizons.

The Kudz Ze Kayah Formation is a Late Devonian-Early Mississippian (ca. 360-356 Ma) sequence dominated by felsic meta-volcanic and meta-volcaniclastic and meta-sedimentary rocks. It consists predominantly of feldspar-muscovite-quartz phyllite and augen phyllite of probable felsic volcanic and volcaniclastic origin, and lesser fine-grained carbonaceous and siliciclastic sedimentary rocks (Peter et al., 2007).

The R15 Zone stratigraphy can be divided into 3 units: an Upper Felsic Metavolcanic Sequence; an Upper Metaclastic Sequence; and a Lower Tuffaceous Metaclastic sequence (McRobbie and Holroyd, 2004). The Upper Felsic Metavolcanic Sequence consists of a package of strongly foliated light-green -grey felsic schists derived from fine-grained tuffs, crystal bearing tuffs, and lapilli tuffs. The Upper Metaclastic Sequence occurs towards the base of the Upper Felsic Metavolcanic Sequence and consists of dark-grey to black metasediments including siliceous siltstone, mudstone, and wacke. The lower Tuffaceous Metaclastic Sequence consists of a thick package of strongly foliated mixed, interbedded tuffaceous wacke, mafic metavolcanic and metaclastic rocks.

The R15 Zone occurs below the Upper Felsic Metavolcanic Sequence, at or near the base of the Upper Metaclastic Sequence and consists of very high grade Zn+Pb+Ag mineralization occurring as 2 main styles: recrystallized

massive sulfide and 'buckshot' textured massive sulfides. The recrystallized massive sulfide is a massive unit of very fine-grained, pyrrhotite+sphalerite+chalcopryrite with minor pyrite with rounded lithic fragments and gangue minerals. The buckshot texture massive sulfide is a massive unit consisting of a sphalerite+galena+magnetite+pyrrhotite+chalcopryrite with minor silica-plagioclase+chlorite-biotite gangue very similar to the mineralization at GP4F. Drill hole R12-11 intersected 8.25m of 8.49% Zn, 3.94% Pb, 0.24% Cu, 34.70g/t Ag, 0.061g/t Au.

The mineralized horizon is parallel to regional foliation and strikes approximately 330° and dips approximately $10-15^{\circ}$ to the northeast. The deposit appears to be more shallowly dipping ($\sim 10^{\circ}$) to the southwest and more steeply dipping to the northeast ($\sim 15^{\circ}$) and appears to be very predictable and consistent within the current drilling.

Lithological Description of the R15 Stratigraphy

The R15 deposit stratigraphy can be divided into an upper felsic volcanic and volcanoclastics zone, an upper clastic sedimentary zone, and a lower clastic sedimentary zone (Figure 7.1). The upper felsic volcanic unit is thickest in the northern portion of the deposit (i.e. Drill hole R12-10) and thinnest in the southern portion of the deposit (i.e. Drill hole R12-13) while the sedimentary units are thickest to the south and thinnest to the north. The carbonaceous content of the sedimentary units increases to the south as well (i.e. R12-13).

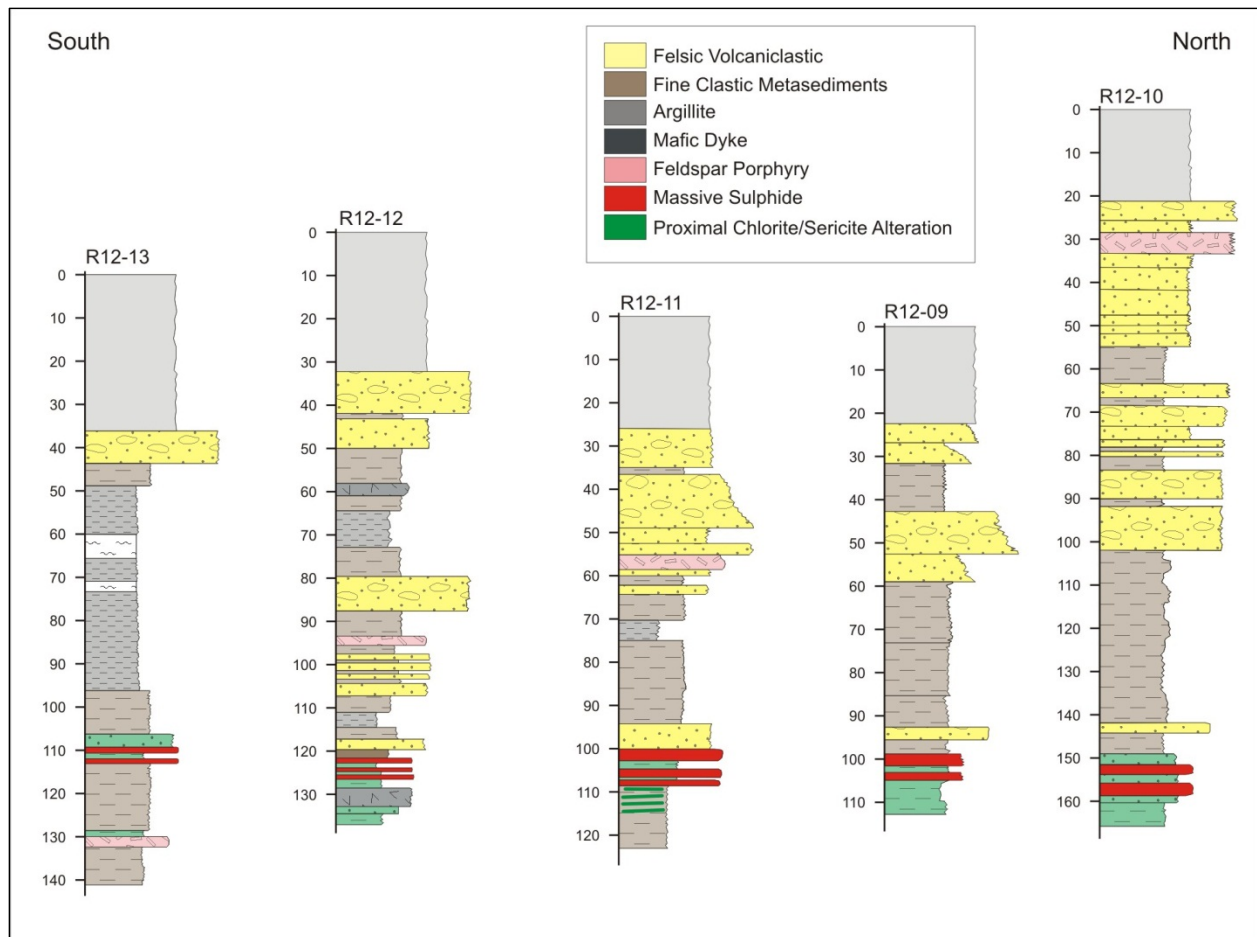
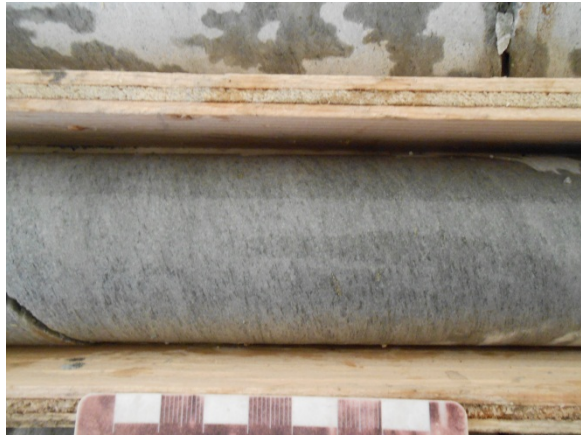


Figure 7.1. A cartoon of the stratigraphy of the R15 deposit.

Lithological Descriptions

Felsic Tuff (FT)

This unit consists of a light grey to medium grey, to greenish grey, strongly foliated to massive, fine grained quartz-sericite schist. These units generally consist of 1-3m thick fine grained, to granular ash tuff horizons which occasionally grade down hole to felsic lapilli tuffs. These units are generally moderately to strongly sericite altered and can contain up to 10% fine disseminated pyrite and pyrrhotite.



Felsic Lapilli Tuff - (FTL)

This unit consists of a light grey to medium grey, to greenish grey, strongly foliated, medium to coarse-grained, quartz-sericite schist with 1-2 cm elongated siliceous lapilli fragments. This unit locally contains variable amounts of biotite and chlorite as well as fine grained pyrite.



Felsic Quartz Crystal Tuff - (FTQC)

This unit consists of a light grey to medium grey, to greenish grey, strongly foliated to massive, fine grained quartz-sericite schist with 5-10% small (1-2mm) light grey to bluish grey quartz crystals. This unit occurs at or near the massive sulphide horizon and is often moderately to strongly chlorite altered.



Felsic Feldspar Crystal Tuff - (FTFC)

This unit consists of a light grey to medium grey, to greenish grey, strongly foliated to massive, fine grained quartz-feldspar-sericite schist with 5-10% small (1-2mm) light grey feldspar crystals.



Epiclastic Tuff - (FTE)

This unit consists of a medium brown to light grey, strongly foliated, fine to medium grained, biotite, quartz, feldspar, muscovite, chlorite schist with abundant 0.1 - 1cm quartz clasts, and siliceous fragments within a dominantly biotite-rich matrix.



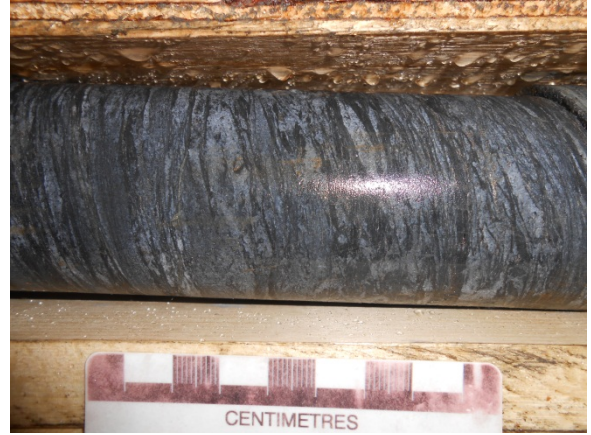
Argillite - (AR)

This unit consists of a light grey and dark grey, very fine grained to fine-grained, laminated and foliated carbonaceous and siliceous schist. It consists of and well foliated irregular to wavy 1- 5mm thick bands of carbonaceous argillite interbedded with 1mm to 5mm bands of siliceous siltstone and locally minor mudstone (biotite schist).



Siliceous Argillite - (ARSI)

This unit consists of a light grey and dark grey, very fine grained to fine grained, laminated, and well foliated carbonaceous and siliceous schist. It consists of irregular wavy 1mm to 5mm thick bands of carbonaceous argillite interbedded with 1-5cm bands of siliceous siltstone. More siliceous material compared to the argillite.



Graphitic Argillite - (ARG)

This unit consists of a dark grey to black, very fine grained to fine-grained, graphite-rich unit and likely represents a graphitic fault gouge.



Mudstone - (MST)

This unit consists of a medium to dark grey, strongly laminated and well foliated, biotite, quartz, carbonate ($\pm$ chlorite) schist. This unit consists of dominantly fine-grained biotite with minor, thin quartz carbonate bands.



Siltstone - (SLST)

This unit consists of a light grey to medium grey, laminated and well foliated to massive, fine grained quartz-sericite-biotite schist and consists of fine >2mm thick bands of fine silt generally interbedded with either coarser wacke horizons or finer muddy horizons (biotite schist).



Wacke - (WK)

This unit consists of a light grey to medium grey, laminated and well foliated to massive, medium to coarse grained quartz-sericite-biotite schist and consists of fine >2mm thick bands of fine silt generally interbedded with either coarser wacke horizons or finer muddy horizons (biotite schist).



Massive Sulphide - (SUMS)

This unit consists of a bronze to caramel colored unit, consisting of massive (>60%) sulphide including sphalerite, galena, pyrite, pyrrhotite, and minor chalcopyrite. This unit is recrystallized and fine to very fine grained and includes abundant fragments of country rock including finely laminated argillite, siliceous siltstone, and felsic volcanoclastics, as well as rounded porphyroblasts of gangue minerals including quartz, and feldspar. Clasts are generally between 2 and 10mm but can be as large as 10cm or more.



Semi-massive Sulphide - (SUSM)

This unit consists of a bronze to caramel colored unit consisting of semi-massive (40-60%) sulphide including sphalerite, galena, pyrite, pyrrhotite, and minor chalcopyrite. The sulphide often forms a net texture around fragments of country rock.



Disseminated Sulphide - (SUDI)

This unit consists of 10-40% sulphide consisting of sphalerite, galena, pyrite, pyrrhotite, and minor chalcopyrite disseminated throughout the host rock which generally consists of fine grained quartz-chlorite-sericite schist which may represent an altered quartz-crystal tuff or quartz porphyry.



Strong Proximal Chlorite Alteration - (ACL)

This unit consists of moderate to strong chlorite altered host rocks. This alteration is pervasive and can affect all rock types although is generally strongest in the tuffaceous units. This unit locally shows brecciated textures and rarely contains chalcopyrite $\pm$ sphalerite stringers.



Strong Proximal Sericite Alteration - (ASR)

This unit consists of a moderate to strongly sericite altered host rocks. This alteration is pervasive and affects all rock types although it is generally strongest within the tuffaceous units. It is often associated with quartz and occasionally sulphides including pyrite and sphalerite.



Feldspar Porphyry - (FP)

This unit consists of a light to medium grey, massive to foliated, quartz, feldspar, sericite schist containing abundant 0.5-2cm feldspar crystals.



Quartz-Feldspar Porphyry - (QFP)

This unit consists of a light to medium grey, massive to foliated, quartz feldspar, sericite schist containing abundant 0.5-1cm feldspar crystals and abundant <1cm quartz crystals.

Mafic Dyke or Sill - (MD)

This unit consists of a dark brown, massive to moderately foliated, biotite $\pm$ chlorite $\pm$ carbonate schist. This unit is often less than a meter wide and contacts with host rocks are often sharp.



Alteration

Hanging wall alteration at the R15 deposit consists dominantly of sericite-silica $\pm$ chlorite alteration and can be found throughout the hangingwall stratigraphy. Pervasive hangingwall alteration is observed well into the hanging wall and is generally more intense in the felsic volcanic and volcanoclastic sequences and less intense in the sedimentary sequences.

The footwall alteration consists of dominantly chlorite-silica-sericite±carbonate alteration locally containing rare (10cm) chalcopyrite stringers. Footwall alteration is generally pervasive and continues several meters into the footwall.

Structure and Metamorphism

The rocks surrounding the R15 deposit have undergone upper-greenschist to lower amphibolite facies metamorphism (MacRobbie et al., 2004) and have been intensely deformed. Abundant biotite, chlorite and locally garnet have been observed within the meta-sedimentary sequences. Deformation is generally ductile although minor, late brittle faults do occur in the hangingwall. There is a strong F_1 schistosity generally parallel to compositional layering that strikes approximately 330° and dips approximately 15° to the northeast. D1 deformation was intense and penetrative, resulting in an S0-S1 composite fabric. Abundant tight isoclinal folds have been observed within veining surrounding the R15 deposit.

Item 8: Deposit Types

The R15 deposit is a bimodal felsic, Kuroko-type (Figure 8.1) massive sulphide deposit and is characterized by one or more lenses of massive sulphide consisting of sphalerite, galena, pyrrhotite, pyrite, and chalcopyrite hosted within a sequence of dominantly felsic volcanic and volcanoclastics rocks.

Host rocks for the R15 deposit consist of an upper sequence of felsic meta-volcanic and meta-volcanoclastic rocks including fine-ash tuff, quartz and feldspar-crystal tuff, felsic lapilli tuff, and feldspar porphyry with a lower sequence of meta-sedimentary rocks including carbonaceous and siliceous argillite, mudstone, siltstone, and wacke with tuffaceous, biotite-rich sediments and/or tuffaceous, biotite-rich epiclastic sediments.

The mineralized horizons shows several distinct textures ranging from massive (>60%) and semi massive (40-60%) sulphide to net-texture, brecciated, disseminated, and locally stringer style sulphides. The massive sulphide is dominantly sphalerite, pyrrhotite, galena, and pyrite with abundant 0.1-1cm clasts or fragments of siliceous or carbonaceous material. The textures suggest progressive replacement of host rock (either quartz crystal tuff or argillite/mudstone) with sulphides and the clasts represent remnant crystals or fragments.

The copper-poor nature of the R15 mineralization intersected to date suggests that the current limits of the deposit could be distal to a larger system and the copper (and precious metal?)-rich core and feeder zone have yet to be discovered.

The R15 may also show some components of siliciclastic-Felsic VMS deposits including abundant siliciclastic sediments, abundant carbonaceous argillite, and abundant alkali mafic volcanics (Figure 8.1).

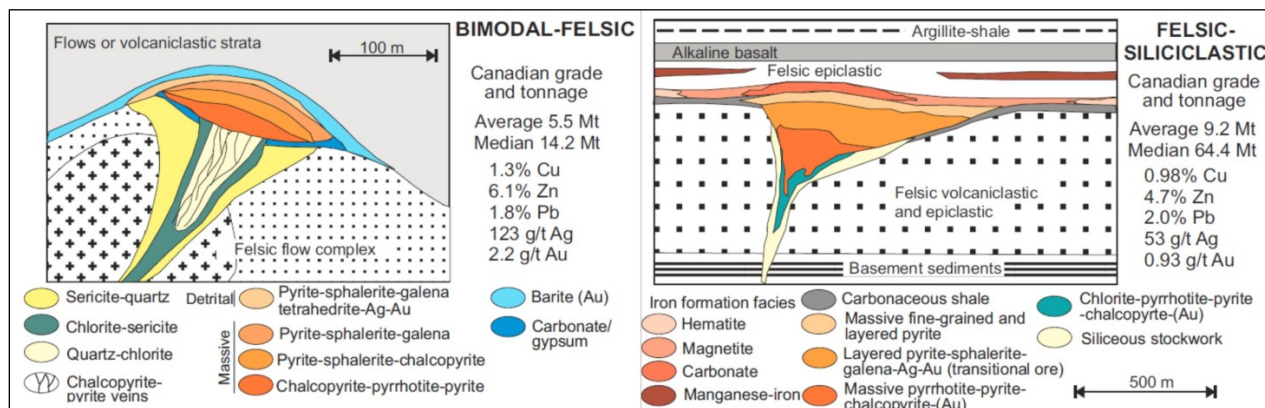


Figure 8.1 A cartoon of a Bimodal-Felsic and a Felsic-Siliciclastic VMS deposit (Galley et al., 2007).

Item 9: Exploration

The R15 property has seen two brief phases of exploration. The first phase of exploration was carried out by Teck Cominco in 2004 and consisted of a ground UTEM geophysical survey followed by diamond drilling. The geophysical survey outlined several geophysical anomalies which were subsequently tested with diamond drilling. Four holes intersected the R15 mineralized horizon and one hole intersected a possible second mineralized horizon stratigraphically above the R15 horizon. The second phase of exploration was carried out by Redtail Metals in 2012 and consisted of 5 diamond drill holes. All five holes intersected the R15 mineralized horizon and the results are discussed below.

Item 10: Drilling

The 2012 drill program was carried out by Kluane Drilling Ltd. out of Whitehorse using a Kluane 600 fly drill. The drill was mobilized on the property using a Eurocopter Astar A350 B3 helicopter. Two pads were built and were moved from the previous site to the next site between drill moves. Pads were built using 6"x6" and 2"x12" rough lumber. All drill holes were drilled due south (180° true - magnetic declination for 2012 was 22.17° East). Drill core was NTW with HTW casing. Overburden varied between 90' and 120' and consisted of layers of boulders, cobbles and pebbles, overlaying a glacial deposit (poorly sorted, angular, unconsolidated conglomerate), and layers of sand and silt.

The first two hole were planned as infill holes to confirm the mineralization encountered in the 2004 drilling, and the following three holes were planned as step-out holes to attempt to extend know mineralization to the south. All five holes intersected significant massive sulphide mineralization at or near predicted target depths. Drill holes were terminated once several feet of un-mineralized footwall was encountered.

Significant Intersections

R12-09

R12-09 intersected 3.03m (2.38m + 0.65m) of massive sulphide within a larger zone (6.37m) of disseminated to semi-massive sulphide and a 0.75m zone of chalcopyrite, sphalerite, pyrite-rich semi-massive to disseminated sulphides in footwall. Massive sulphide zone consists of net textured to massive sulphide including fine grained sphalerite, pyrite, galena, pyrrhotite, with minor chalcopyrite. The massive sulphide zone includes abundant, rounded, sulphide matrix supported siliceous and lithic fragments. The hangingwall is weakly altered siltstone and mudstone and the footwall is chlorite altered siltstone/mudstone and minor felsic tuff.

R12-10

R12-10 intersected 2.66m (1.71m + 0.95m) of massive sulphide within a larger (6.37m) zone of disseminated to semi-massive sulphides. Massive sulphide zone consists of net textured to massive sulphide including fine grained sphalerite, pyrite, galena, pyrrhotite, with minor chalcopyrite. The massive sulphide zone includes abundant, rounded, sulphide matrix supported siliceous and lithic fragments. The hangingwall is quartz sericite altered volcanics, with abundant mineralized (sphalerite, pyrite, galena, pyrrhotite) quartz veins and the footwall is a chlorite altered volcanic unit with abundant mineralized (sphalerite, pyrite, galena, pyrrhotite) quartz veins.

R12-11

R12-11 intersected 1.83m (0.69m + 0.67m + 0.47m) of massive sulphide within a larger (6.23m) zone of disseminated to semi-massive sulphides. Massive sulphide zone consists of net textured to massive sulphide including fine grained sphalerite, pyrite, galena, pyrrhotite, with minor chalcopyrite. The massive sulphide zone includes abundant, rounded, sulphide matrix supported siliceous and lithic fragments. The hangingwall is moderately sericite altered felsic tuff and the footwall is chlorite and sericite altered siltstone/mudstone and felsic tuff.

R12-12

R12-12 intersected 1.83m (0.42m + 0.50m + 0.22m + 0.69m) of massive sulphide within a larger (5.74m) zone of disseminated to semi-massive sulphides. Massive sulphide zone consists of net textured to massive sulphide including fine grained sphalerite, pyrite, galena, pyrrhotite, with minor chalcopyrite. The massive sulphide zone includes abundant, rounded, sulphide matrix supported siliceous and lithic fragments. The hangingwall is a weakly to unaltered mudstone to siltstone and the footwall is strongly chlorite altered siltstone and quartz crystal tuff.

R12-13

R12-13 intersected 2.16m (1.60m + 0.56m) of massive sulphide within a larger (3.88m) zone of disseminated to semi-massive sulphides. Massive sulphide zone consists of net textured to massive sulphide including fine grained

sphalerite, pyrite, galena, pyrrhotite, with minor chalcopyrite. The massive sulphide zone includes abundant, rounded, sulphide matrix supported siliceous and lithic fragments. The hangingwall is strongly sericite altered crystal tuff and siltstone and the footwall is weakly to un-altered siltstone.

Table 10.1. A list of all intersection from the 2012 diamond drilling program on the R15 Property, Yukon.

2012 Diamond Drill Holes from the Main Zone, R15 Property, Yukon Significant Intersections ^{(1), (2)}								
Drill Hole	From (m)	To (m)	Length (m)	Zn (%)	Pb (%)	Cu (%)	Ag (ppm)	Au (ppm)
R12-09	98.32	99.7	1.38	5.76	1.14	0.39	15.88	0.083
and	101.68	108.67	6.99	7.68	3.05	0.28	30.21	0.059
and	117.67	118.94	1.27	4.10	0.35	0.85	16.00	0.005
R12-10	154.23	160.66	6.43	6.31	2.88	0.30	48.64	0.124
<i>including</i>	<i>156.56</i>	<i>158.31</i>	<i>1.75</i>	<i>11.95</i>	<i>5.25</i>	<i>0.56</i>	<i>82.00</i>	<i>0.203</i>
<i>including</i>	<i>159.1</i>	<i>160.05</i>	<i>0.95</i>	<i>10.35</i>	<i>5.85</i>	<i>0.33</i>	<i>105.00</i>	<i>0.210</i>
R12-11	100.12	108.37	8.25	8.49	3.94	0.24	34.70	0.061
<i>including</i>	<i>100.12</i>	<i>102.94</i>	<i>2.82</i>	<i>12.13</i>	<i>5.12</i>	<i>0.39</i>	<i>46.56</i>	<i>0.106</i>
<i>including</i>	<i>104.99</i>	<i>106.37</i>	<i>1.38</i>	<i>12.86</i>	<i>6.24</i>	<i>0.32</i>	<i>52.88</i>	<i>0.076</i>
R12-12	122.56	128.3	5.74	7.82	2.27	0.27	38.98	0.252
<i>including</i>	<i>122.56</i>	<i>123.98</i>	<i>1.42</i>	<i>12.91</i>	<i>4.51</i>	<i>0.53</i>	<i>82.83</i>	<i>0.713</i>
<i>including</i>	<i>124.98</i>	<i>128.3</i>	<i>3.32</i>	<i>7.03</i>	<i>1.71</i>	<i>0.18</i>	<i>22.94</i>	<i>0.076</i>
R12-13	104.72	109.6	4.88	9.59	4.38	0.38	61.56	0.039
<i>including</i>	<i>105.72</i>	<i>107.62</i>	<i>1.9</i>	<i>10.33</i>	<i>5.34</i>	<i>0.36</i>	<i>73.27</i>	<i>0.065</i>
<i>including</i>	<i>108.44</i>	<i>109.6</i>	<i>1.16</i>	<i>14.00</i>	<i>5.95</i>	<i>0.47</i>	<i>83.00</i>	<i>0.024</i>

(1) Intersections were calculated by compositing continuous samples above a 2% Zn Cutoff Grade

(2) All assays are reported as drilled intervals and are interpreted to be true widths as drilling was roughly perpendicular to the mineralized horizon.

Item 11: Sample Preparation, Analyses and Security

Drill core was logged and sampled on site. All core was sampled several meters above the mineralized horizons to several meters below. Samples were generally 1 except where geology controlled sampled intervals. Sample lengths were restricted to a maximum of 2m and a minimum of 30cm. The core was cut on site using a gas powered rock saw and half the core was secured in plastic bags for shipment to the labs while the remaining half was returned to the core box for storage on site. One standard (CDN - HZ - 3), one blank and one duplicate sample were inserted approximately every 20 samples (one set of standards per hole).

All samples were flown to the Kudz Ze Kayah site where they were trucked to Whitehorse and delivered to ALS Chemex by the author.

At ALS Chemex, all samples were logged in the tracking system, weighed, dried and finely crushed to better than 70 % passing a 2 mm (Tyler 9 mesh, US Std. No.10) screen. A split of up to 250 g is taken and pulverized to better than 85 % passing a 75 micron (Tyler 200 mesh, US Std. No. 200) screen. Samples were then analyzed by ME-ICP61a (Ag, Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, S, Sb, Sc, Sr, Th, Ti, Tl, U, V, W, Zn, Zn, and Se), and Au-AA23 fire assay (Au), and overlimits were analyzed by ME-OG62, and Zn-OG62. Specific Gravity (OA-GRA08b) was measured for all samples.

Item 12: Data Verification

The 2012 drilling program confirmed the results from the 2004 diamond drilling program. The geology, stratigraphy, and intersections grades were very similar between the two programs. The mineralization intersected in the 2012 program was consistent with the predicted strike of 330° and dip of 15° estimated by the 4 holes drilled in 2004.

Standards, Blanks and duplicates were submitted for each drill hole.

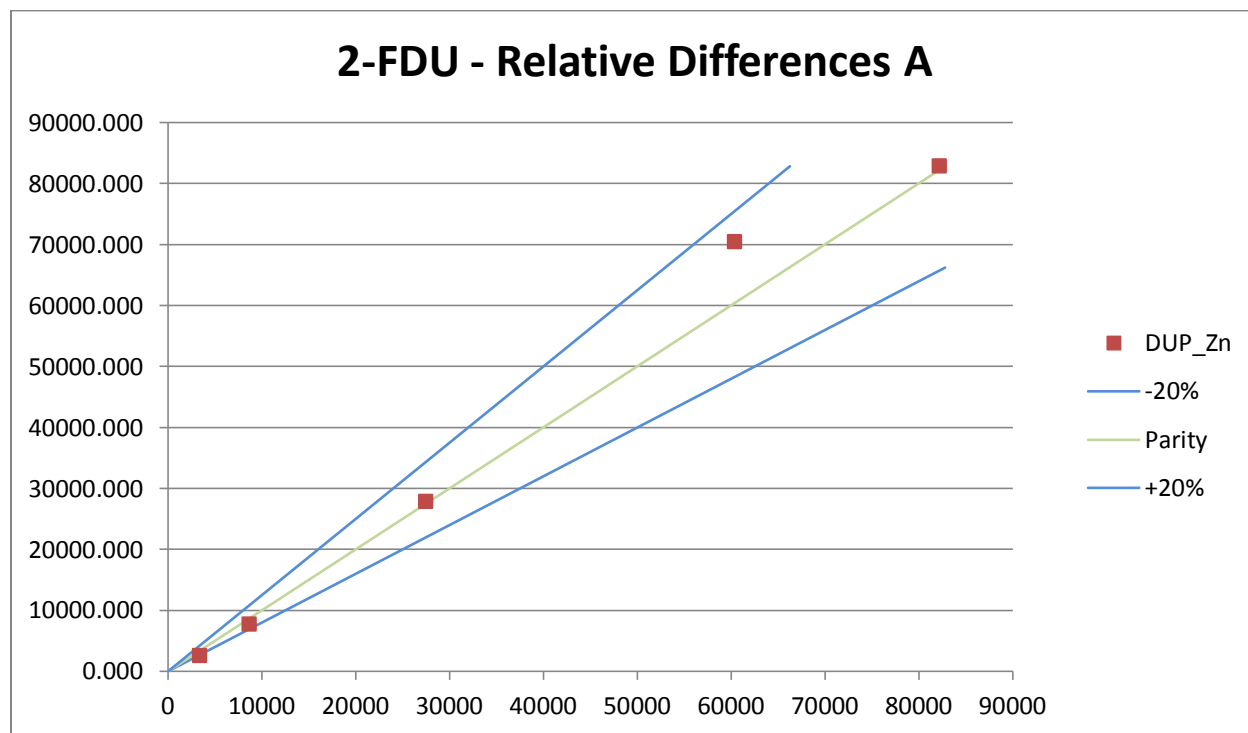


Figure 12.1. Relative Difference between original samples and field duplicates.

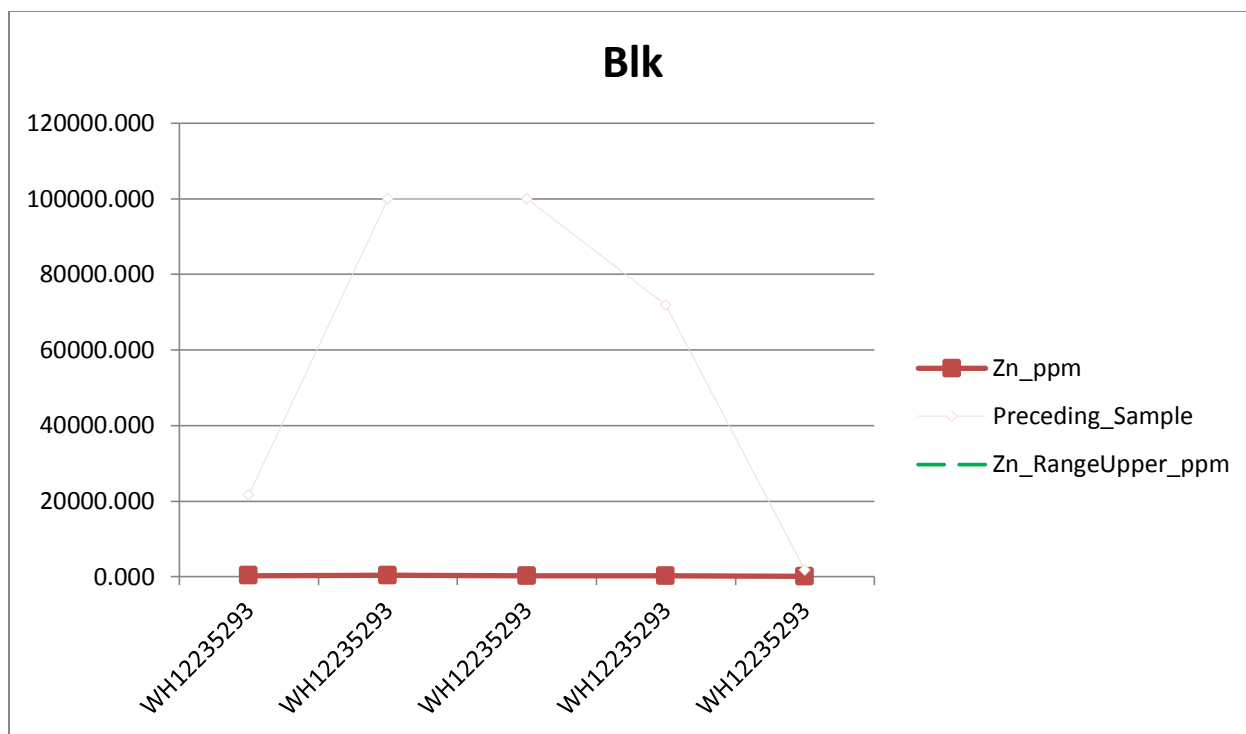


Figure 12.2. Blank samples and preceding sample zinc concentrations.

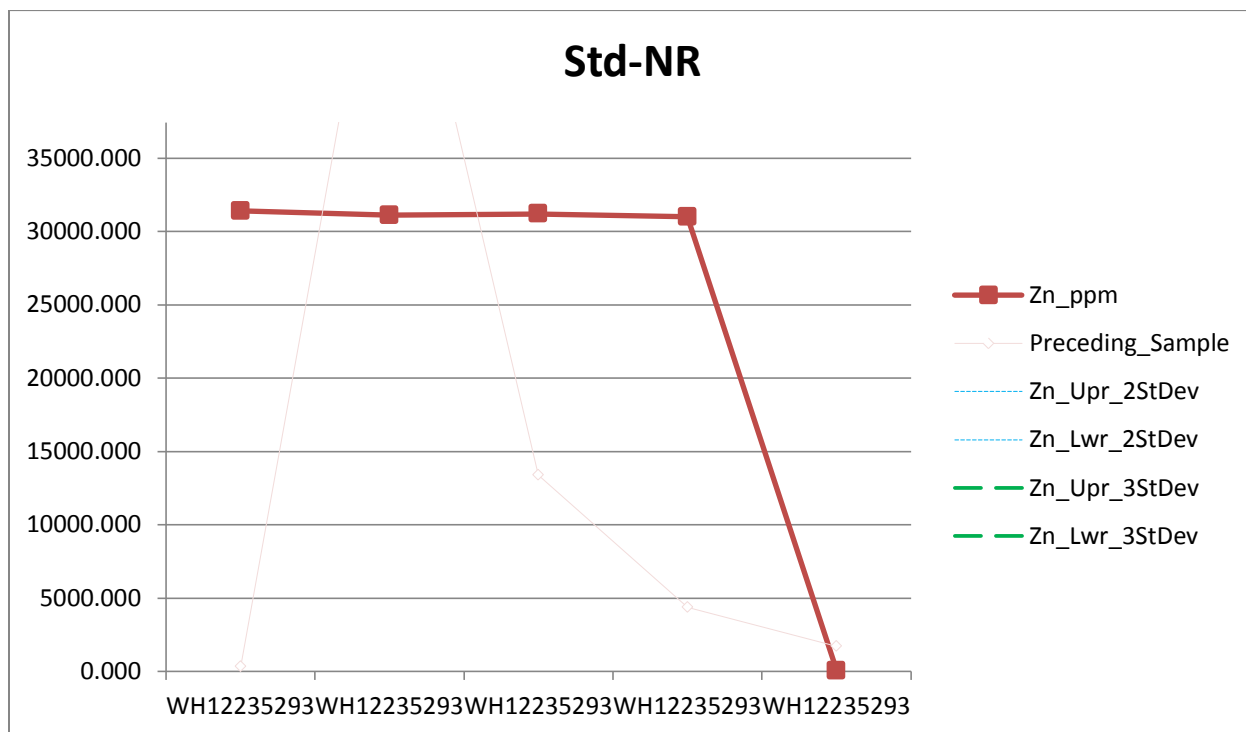


Figure 12.3. Standard reference material assays. Note the last standard reference material assays was replaced with a blank sample.

Item 13: Mineral Processing and Metallurgical Testing

There are no current mineral processing or metallurgical tests on the R15 Property.

Item 14: Mineral Resource Estimates

There are no Mineral Resource Estimates on the R15 Property.

Item 15: Mineral Reserve Estimates

There are no Mineral Reserve Estimates on the R15 Property.

Item 16: Mining Methods

There are no mining methods proposed for the R15 Mineralization.

Item 17: Recovery Methods

There are no recovery methods proposed for the R15 Mineralization.

Item 18: Project Infrastructure

The project is located approximately 120km east-southeast of the Town of Ross River, in the south eastern portion of the Yukon Territory. The project is located approximately 25km south of the all-season Robert Campbell Highway connecting Ross River and Watson Lake. An all-weather road connects the Robert Campbell highway and the Kudzu Ze Kayah deposit (owned by Teck), and terminates within 7km of the R15 Deposit.

Ross River is approximately 410km from Whitehorse along the Alaska/Klondike highway and the Robert Campbell Highway and is serviced by charter flights from Whitehorse to the Ross River Airport. Trans North Helicopters has a base in Ross River and flight times from Ross River to R15 in a Bell 206 Jet Ranger, for example, are approximately 50 minutes.

Item 19: Market Studies and Contracts

There are no market studies and contract for the R15 Mineralization.

Item 20: Environmental Studies, Permitting and Social or Community Impact

The 2012 drill program was conducted under a Class 1 Yukon Mining Land Use Permit.

Item 21: Capital and Operating Costs

There are no estimates of Capital and Operating Costs for the R15 Mineralization.

Item 22: Economic Analysis

There are no Economic Analysis for the R15 Mineralization.

Item 23: Adjacent Properties

The R15 Project is contiguous with Teck's claims that cover the GP4F deposit. The GP4F deposit lies approximately 400m northwest of the R15 deposit drilling. R15 and GP4F have similar geology and similar mineralization and it is possible they represent the strike extension of a single deposit. No drilling has been completed in the 400m between the eastern-most drill hole of the GP4F deposit and the western-most drill hole of the R15 deposit.

The GP4F deposit has an inferred resource of 1.5 million tonnes at 6.4% Zn, 3.1% Pb, 2 g/t Au, 90 g/t Ag (Peter, et al., 2007). Mineralization at GP4F occurs in a sequence of alternating aphyric and porphyritic felsic volcanic rocks and felsic volcanoclastics rocks that is crosscut by mafic dykes as a single semimassive to massive sulphide lense up to 3.2 m thick that dips to the north at 30 to 35°, has a strike length of 200 m, extends 350 m down dip, and remains open to the northeast and east (Peter, et al., 2007).

The R15 deposit is approximately 7km southeast of Teck's Kudz Ze Kayah (KZK) deposit that contains an inferred geological resource of 13 million tonnes at 5.55% Zn, 1.00% Cu, 1.30% Pb, 125 g/t Ag, and 1.2 g/t Au (Peter, et al., 2007). The KZK deposit is a bimodal-felsic (Kuroko) style VMS deposit consisting of a 500 m long, isoclinally folded lens of massive to semimassive sulphide that occurs within a syncline that is overturned to the south and is half of a south-vergent anticline-syncline pair. The mineralization extends down dip about 400 m, averages 18 m thick, and reaches a maximum thickness of 34 m at the nose of the fold (Peter, et al., 2007).

The R15 deposit also lies approximately 30km west of Yukon Zinc's Wolverine deposit. The Wolverine deposit is a polymetallic VMS deposit and has been in production since 2010. It is a Siliciclastic-Felsic (Bimodal-Felsic) VMS deposit with a Measured and Indicated Resource of 4.4 million tonnes at 12.14% Zn, 1.58% Pb, 1.16% Cu, 354 g/t Ag, and 1.7 g/t Au, and an Inferred of 1.6 million tonnes at 12.16% Zn, 1.74% Pb, 1.23% Cu, 385 g/t Ag, and 1.7 g/t Au.

Item 24: Other Relevant Data and Information

There is no other relevant data or information at this time.

Item 25: Interpretation and Conclusions

The R15 mineralization is interpreted to be a volcanic hosted massive sulphide deposit geologically similar to Teck's GP4F deposit. It is interpreted to represent a sub seafloor replacement body of massive sulphide consisting of sphalerite, galena, pyrrhotite, pyrite, and minor chalcopyrite hosted within a sequence of metavolcanic and metasedimentary rocks.

The deposit is open in all directions including to the northwest where it is cut-off by the property boundary with Teck Cominco. Additional work is required to fully define the extent of the mineralization.

Item 26: Recommendations

The R15 Project is a project of merit and requires additional drilling to adequately define the extent of the mineralization. Additional diamond drilling is therefore recommended. The drilling should be conducted in several phases with the results of the previous phase dictating the subsequent phases. The deposit is open to the east and to the south on the R15 property. It is recommended to continue drilling on 100m line step-outs to the east and to the south to define the extent of the mineralization. Further infill drilling will be required to increase geological confidence.

Item 27: References

Bradshaw, G.D., 2003, Geology and genesis of the Wolverine polymetallic volcanic rock-hosted massive sulphide (VHMS) deposit, Finlayson Lake district, Yukon, Canada: Unpubl. M.Sc. thesis, The University of British Columbia, 172 p.

Colpron, M., Nelson, J.L., and Murphy, D.C., 2006a, A tectonostratigraphic framework for the pericratonic terranes of the Northern Cordillera, in Colpron, M., and Nelson, J., eds., *Paleozoic Evolution and Metallogeny of Pericratonic Terranes at the Ancient Pacific Margin of North America*: Geological Association of Canada, Special Publication 45, p. 1-24.

Galley, A.G., Hannington, M.D., and Jonasson, I.R., 2007, Volcanogenic massive sulphide deposits, in Goodfellow, W.D., ed., *Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods*: Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 141-161.

MacRobbie, P.A., and Holroyd, R.W., 2004. 2004 Summary Report, R15 Option (KZK Project) Canada, Linecutting, Grid Ground Geophysical Surveys (UTEM/MAG), Diamond Drilling, and Minor Geological Mapping. Exploration Report for Kaska Minerals Corporation and Yukon Territorial Government.

Mortensen, J.K., 1992b, Pre-mid-Mesozoic tectonic evolution of the Yukon-Tanana Terrane, Yukon and Alaska: *Tectonics*, v. 11, p. 836-853.

Mortensen, J.K., and Jilson, G.A., 1985, Evolution of the Yukon-Tanana Terrane; evidence from southeastern Yukon Territory: *Geology*, v. 13, p. 806-810.

Peter, J.M., Layton-Matthews, D., Piercey, S., Bradshaw, G., Paradis, S., and Boulton, A., 2007, Volcanic-hosted massive sulphide deposits of the Finlayson Lake District, Yukon, in Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods: Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 471-508.

Item 28: 2012 Estimated Cost

R15 Project

Costs Estimate

Item	Units		Unit Cost		Sum	Total
Aircraft						
Helicopter Astar	22.4	hours @	\$2,200.00	per hour	\$49,280	
Hughes 500D	26.7	hours @	\$1,000.00	per hour	\$26,700	
Helicopter 206	1.6	hours @	\$ 900.00	per hour	\$ 1,440	
Travel Fixed Wing	0	Flights	\$1,000.00	per flight	\$ -	
Jet B (Drums)	12.5	Drums	\$ 386.00	per drum	\$ 4,825	
Jet B	9.85	hours @	\$ 386.00	per hour	\$ 3,802	
Total						\$ 86,047

Analytical

Regular Rock	100	samples @	\$ 36.00	per sample	\$ 3,600	
Sample bags	0	bags @	\$ 0.50	per bag	\$ -	
Sample transport	2	trips @	\$ 200.00	per trip	\$ 400	
Total						\$ 4,000

Labour

Geo 1 - Gilles Dessureau	22	days@	\$ 300.00	per day	\$ 6,600	
Geotech - Shane Carlos	3	days@	\$ 300.00	per day	\$ 900	
Camp 1 - Rafe Etzel	10	days@	\$ 300.00	per day	\$ 3,000	
Camp 2 - Bernie Redies	19	days@	\$ 400.00	per day	\$ 7,600	
Camp 3 - Eric John	10	days@	\$ 300.00	per day	\$ 3,000	
Cook/F.A. - Kate Arntzen	19	days@	\$ 300.00	per day	\$ 5,700	
Total						\$ 26,800

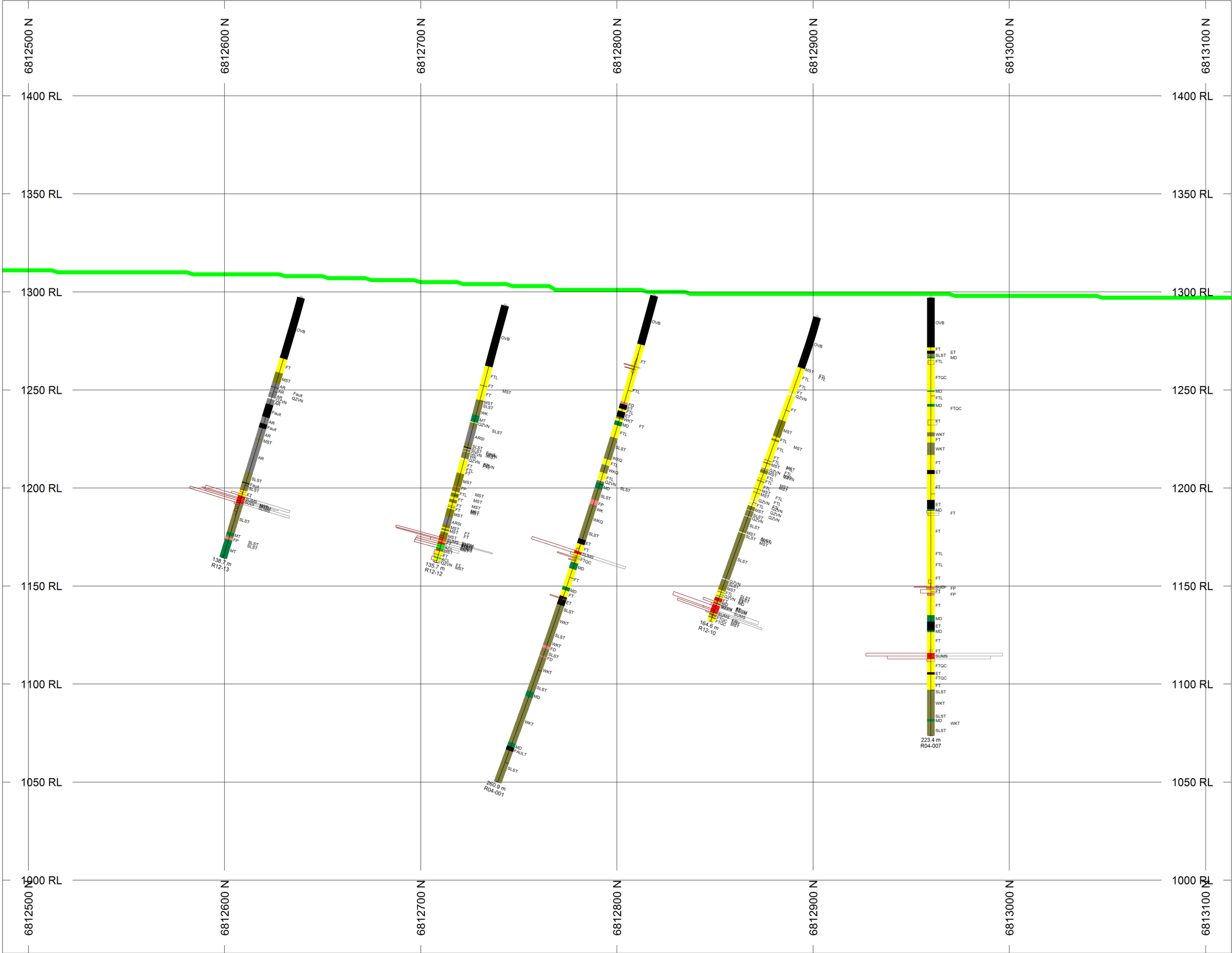
Drilling

Mob					\$ 4,800	
Casing	89.93	m@	\$ 90.00	per m	\$ 8,095	
NTW core m	688.41	m@	\$ 105.00	per m	\$72,284	
Site Costs						
Labour	379	man hours@	\$ 100.00	man hour	\$37,900	
Fifth Man	88	man hours@	\$ 100.00	man hour	\$ 8,800	
Drill operating	288	drill hours@	\$ 80.00	per drill hour	\$23,040	
Drill non-operating	0	drill hours@	\$ 80.00	per drill hour	\$ -	
Consumables	0				\$ -	
Core boxes	300	boxes@	\$ 12.00	per box	\$ 3,600	

Fuel	23	Drums@	\$ 300.00	per drum	\$ 6,900
ATV Rental	15	days @	\$ 100.00	per day	\$ 1,500
Demob					\$ 4,800
Total					\$171,718
Accommodations and Logistics					
Logistics Manager - Sam	5	days @	\$ 400.00	per day	\$ 2,000
Expediting - Ali	5	days @	\$ 500.00	per day	\$ 2,500
Hotel Restaurant	1400	cumulate cost		per month	\$ -
Generator Rental	1	month @	\$1,700.00	per month	\$ 1,700
Food/Grocery	5500	cumulate cost			\$ 5,500
Food Per Diem	6	days @	\$ 65.00	per day	\$ 390
Total					\$ 12,090
Transportation					
Vehicle (Truck)	8	days @	\$ 80.00	per day	\$ 640
Vehicle (x3 Trucks)	4	days @	\$ 80.00	per day	\$ 320
Vehicle (car)	0	days @	\$ 60.00	per day	\$ -
Fuel (estimate)	0	km @	\$ 0.15	per km	\$ -
Airfare	2	trips @	\$ 600.00	per trip	\$ 1,200
Total					\$ 2,160
Communication					
Radios (4)	1	month @	\$ 250.00	per month	\$ 250
Satellite	1	month @	\$1,500.00	per month	\$ 1,500
Total					\$ 1,750
Lumber					
6x6 rough	36	lengths @	\$ 10.00	per length	\$ 360
2x12 rough	30	lengths @	\$ 8.00	per length	\$ 240
2x4 rough	30	lengths @	\$ 6.00	per length	\$ 180
Plywood	15	sheets @	\$ 12.00	per sheet	\$ 180
2x4	30	lengths @	\$ 8.00	per length	\$ 240
2x12	20	lengths @	\$ 10.00	per length	\$ 200
Total					\$ 1,400
Sub Total					\$305,965
Contingency					\$ 30,597
Grand Total					\$336,562

Appendix A.

Cross Sections



HOLES PLOTTED

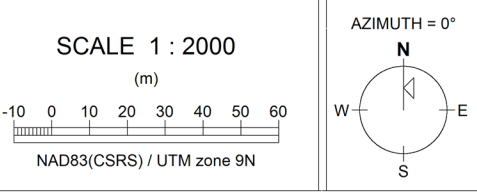
TOTAL 5

R04-001 R04-007 R12-10 R12-12 R12-13

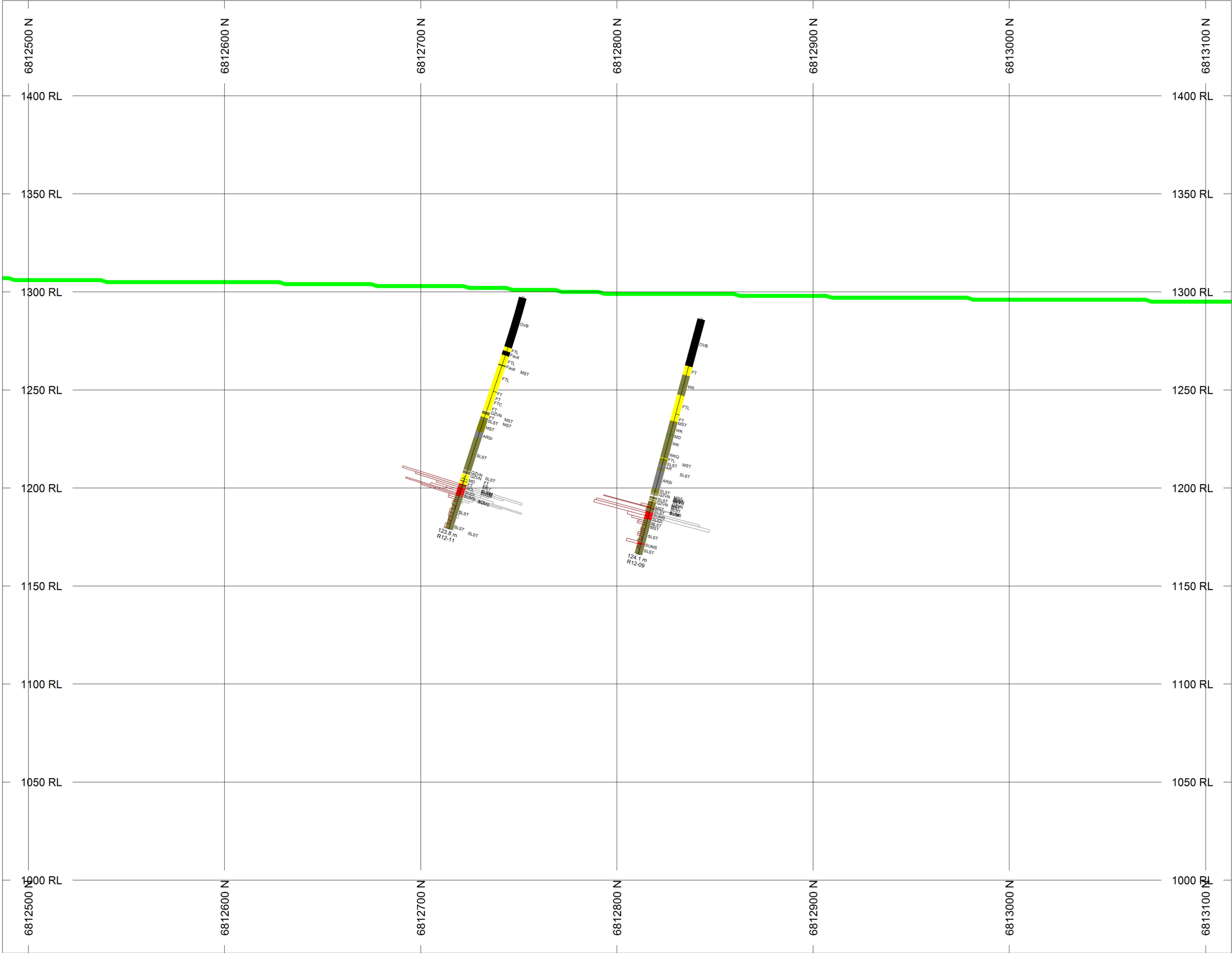


SECTION SPECS:

REF. PT. E, N	420400 m	6812800 m
EXTENTS	626.4 m	485.8 m
SECTION TOP, BOT	1449 m	962.8 m
TOLERANCE +/-	50 m	



Redtail Metals
R-15
Sections



HOLES PLOTTED

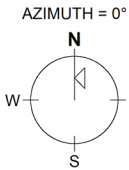
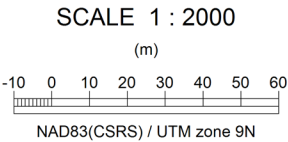
TOTAL 2

R12-09 R12-11

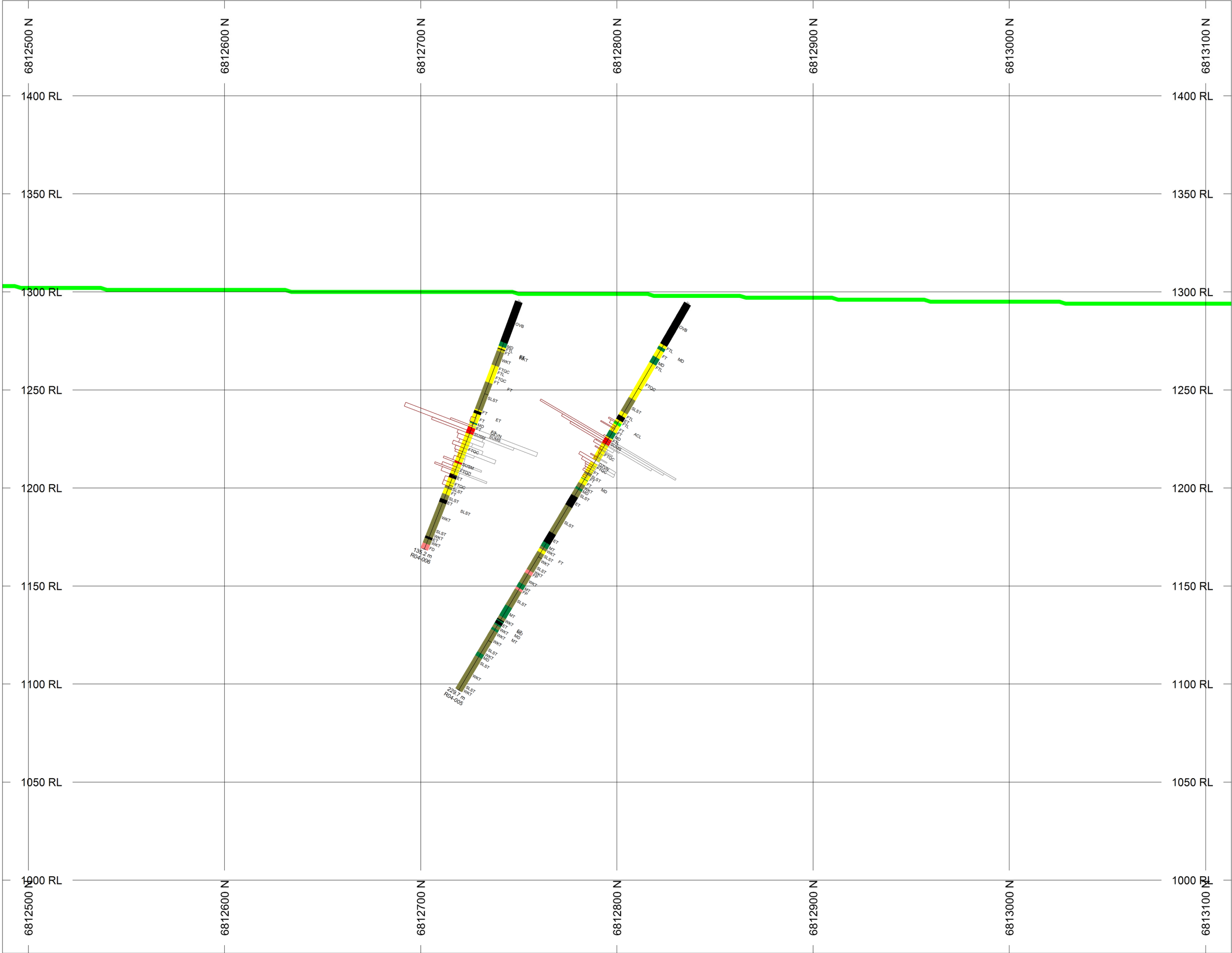


SECTION SPECS:

REF. PT. E, N	420300 m	6812800 m
EXTENTS	626.4 m	485.8 m
SECTION TOP, BOT	1449 m	962.8 m
TOLERANCE +/-	50 m	



Redtail Metals
R-15
Sections



HOLES PLOTTED

TOTAL 2

R04-005 R04-006



TOPOGRAPHY

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105g08_0200_demw.dem

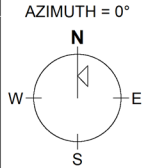
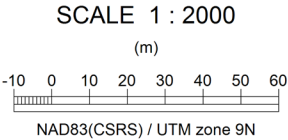
BAR GRAPHS L/R COL
Zn_ppm L
Pb_ppm R

ROCK CODES	PAT	LABEL	DESCRIPTION
Lith1		OVB	Overburden
		FT	Felsic Tuff
		FTL	Felsic Lapilli Tuff
		FTQC	Quartz Crystal Bearing Felsic Tuff
		SLST	Siltstone
		WKT	Tuffaceous Wacke
		SUMS	Massive Sulphides
		SUSM	Semi-Massive Sulphides
		ACL	Strong Proximal Chlorite, Biotite, Musc, Sulphide
		FD	Felsic Dyke or Sill
		FP	Feldspar Porphyry
		MT	Mafic Ash Tuff/ Hyaloclastite
		MD	Mafic Dyke or Sill
		QZVN	Quartz Vein
		ET	

POSTED TEXT L/R TEXT ITEMS
Lith1 R ----- All

SECTION SPECS:

REF. PT.	E, N	420200 m	6812800 m
EXTENTS		626.4 m	485.8 m
SECTION TOP, BOT		1449 m	962.8 m
TOLERANCE	+/-	50 m	



Redtail Metals
R-15
Sections

Appendix B.

Assay Summary

Drill Hole	Sample ID	From (m)	To (m)	Zn (%)	Pb (%)	Cu (%)	Au (ppm)	Ag (ppm)
R12-09	AA027015	96.32	97.02	0.317	0.007	0.025	0.0025	0.5
R12-09	AA027016	97.02	98.32	0.925	0.009	0.057	0.0025	0.5
R12-09	AA027017	98.32	99.3	2.78	0.195	0.152	0.015	4
R12-09	AA027019	99.3	99.7	13.05	3.45	0.957	0.25	45
R12-09	AA027020	99.7	101.68	1.165	0.115	0.138	0.017	4
R12-09	AA027021	101.68	102.68	14.6	5.98	0.485	0.23	62
R12-09	AA027022	102.68	104.06	15.15	7.2	0.611	0.128	64
R12-09	AA027024	104.06	105.67	5.67	1.75	0.258	0.0025	21
R12-09	AA027026	105.67	106.67	4.3	0.909	0.067	0.0025	5
R12-09	AA027027	106.67	107.67	2.28	0.779	0.122	0.0025	13
R12-09	AA027028	107.67	108.67	2.5	0.876	0.054	0.0025	9
R12-09	AA027029	108.67	110.67	0.959	0.174	0.026	0.0025	4
R12-09	AA027030	110.67	111.67	1.2	0.18	0.023	0.0025	3
R12-09	AA027031	111.67	112.67	0.922	0.29	0.03	0.0025	2
R12-09	AA027032	112.67	113.67	1.59	0.344	0.052	0.0025	4
R12-09	AA027033	113.67	114.67	1.62	0.345	0.053	0.0025	4
R12-09	AA027034	114.67	115.67	0.282	0.063	0.012	0.0025	0.5
R12-09	AA027035	115.67	116.67	0.152	0.027	0.005	0.0025	0.5
R12-09	AA027036	116.67	117.67	1.245	0.053	0.059	0.0025	2
R12-09	AA027037	117.67	118.94	4.1	0.345	0.848	0.007	16
R12-09	AA027038	118.94	119.94	0.436	0.023	0.08	0.0025	0.5
R12-09	AA027039	119.94	120.94	0.829	0.017	0.376	0.0025	8
R12-09	AA027040	120.94	121.94	0.068	0.004	0.08	0.008	1
R12-09	AA027041	121.94	122.94	0.009	0.003	0.004	0.0025	0.5
R12-09	AA027042	122.94	124.08	0.026	0.003	0.014	0.0025	0.5
R12-10	AA027001	152.23	153.23	1.015	0.179	0.008	0.0025	1
R12-10	AA027002	153.23	154.23	0.202	0.027	0.007	0.0025	0.5
R12-10	AA027003	154.23	155.26	3.94	1.11	0.277	0.089	19
R12-10	AA027004	155.26	156.56	1.46	0.684	0.146	0.046	14
R12-10	AA027005	156.56	158.31	11.95	5.25	0.562	0.203	82
R12-10	AA027006	158.31	159.1	3.21	1.31	0.148	0.081	27
R12-10	AA027007	159.1	160.05	10.35	5.85	0.328	0.21	105
R12-10	AA027008	160.05	160.66	2.16	1.11	0.065	0.044	17
R12-10	AA027010	160.66	161.66	0.256	0.022	0.044	0.0025	2
R12-10	AA027012	161.66	162.8	0.033	0.006	0.009	0.0025	0.5
R12-10	AA027014	162.8	164.63	0.023	0.004	0.009	0.0025	0.5
R12-11	AA027043	95.99	96.99	0.312	0.002	0.027	0.009	0.5
R12-11	AA027044	96.99	98.11	0.059	0.008	0.007	0.0025	0.5
R12-11	AA027045	98.11	99.12	0.267	0.005	0.019	0.0025	0.5

R12-11	AA027046	99.12	100.12	0.237	0.006	0.05	0.0025	1
R12-11	AA027047	100.12	101.05	16.8	7.2	0.391	0.157	63
R12-11	AA027048	101.05	101.94	13	5	0.293	0.077	39
R12-11	AA027049	101.94	102.94	7	3.28	0.474	0.083	38
R12-11	AA027050	102.94	103.94	3.9	2.38	0.116	0.034	21
R12-11	AA027051	103.94	104.99	8.28	3.97	0.217	0.046	40
R12-11	AA027053	104.99	105.66	15.1	7.47	0.31	0.082	57
R12-11	AA027054	105.66	106.37	10.75	5.08	0.331	0.071	49
R12-11	AA027056	106.37	107.37	2.77	1.66	0.082	0.015	11
R12-11	AA027057	107.37	108.37	2.74	1.3	0.044	0.007	8
R12-11	AA027058	108.37	109.37	0.871	0.599	0.015	0.0025	3
R12-11	AA027059	109.37	111.37	1.235	0.148	0.011	0.0025	1
R12-11	AA027060	111.37	113.37	0.157	0.076	0.006	0.0025	0.5
R12-11	AA027061	113.37	115.37	1.28	0.643	0.043	0.0025	6
R12-11	AA027062	115.37	117.37	1.27	0.634	0.074	0.0025	2
R12-11	AA027063	117.37	119.37	0.964	0.312	0.063	0.0025	2
R12-11	AA027064	119.37	121.37	0.345	0.029	0.004	0.0025	1
R12-11	AA027065	121.37	123.78	1.34	0.503	0.084	0.0025	3
R12-12	AA027067	119.64	120.56	0.042	0.006	0.008	0.0025	0.5
R12-12	AA027068	120.56	121.56	0.032	0.006	0.008	0.0025	0.5
R12-12	AA027069	121.56	122.56	1.06	0.021	0.098	0.034	2
R12-12	AA027070	122.56	123.48	13	3.7	0.375	0.895	61
R12-12	AA027071	123.48	123.98	12.75	5.99	0.81	0.377	123
R12-12	AA027072	123.98	124.98	3.2	0.992	0.206	0.185	30
R12-12	AA027073	124.98	126.03	6.84	2.24	0.192	0.185	35
R12-12	AA027074	126.03	127.03	7.04	0.52	0.226	0.029	14
R12-12	AA027076	127.03	128.3	7.18	2.2	0.131	0.022	20
R12-12	AA027078	128.3	129.54	0.437	0.095	0.041	0.0025	2
R12-12	AA027080	129.54	131.54	1.305	0.595	0.061	0.0025	14
R12-12	AA027081	131.54	133	1.1	0.244	0.048	0.0025	8
R12-12	AA027082	133	134.8	1.565	0.587	0.082	0.0025	3
R12-12	AA027083	134.8	135.67	0.663	0.312	0.021	0.0025	2
R12-13	AA027084	101.6	102.6	0.026	0.006	0.008	0.0025	0.5
R12-13	AA027085	102.6	103.72	0.799	0.269	0.019	0.168	2
R12-13	AA027086	103.72	104.72	0.115	0.013	0.054	0.0025	0.5
R12-13	AA027087	104.72	105.72	3	1.005	0.214	0.022	19
R12-13	AA027088	105.72	106.96	10.05	5.8	0.42	0.026	83
R12-13	AA027089	106.96	107.62	10.85	4.47	0.236	0.139	55
R12-13	AA027090	107.62	108.44	9.7	4.06	0.508	0.018	56
R12-13	AA027091	108.44	109.6	14	5.95	0.472	0.024	83
R12-13	AA027092	109.6	110.6	1.455	0.315	0.063	0.0025	7
R12-13	AA027093	110.6	111.6	1	0.342	0.049	0.009	8
R12-13	AA027094	111.6	112.6	0.179	0.065	0.012	0.0025	0.5

R12-13	AA027096	112.6	113.96	0.771	0.11	0.016	0.0025	2
R12-13	AA027098	113.96	114.96	0.172	0.057	0.005	0.0025	0.5
R12-13	AA027100	114.96	115.96	0.254	0.031	0.012	0.0025	1

Appendix C.

ALS Chemex Assay Certificates



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Finalized Date: 7- NOV- 2012
Account: CORIEX

CERTIFICATE WH12235293

Project:

P.O. No.: R15- 2012- AC- 1723

This report is for 100 Drill Core samples submitted to our lab in Whitehorse, YT, Canada on 5- OCT- 2012.

The following have access to data associated with this certificate:

MIKE BURKE

ANDREW CALDWELL

GILLES DESSUREAU

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um
LOG- 24	Pulp Login - Rcd w/o Barcode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Zn- OG62	Ore Grade Zn - Four Acid	VARIABLE
ME- ICP61 a	High Grade Four Acid ICP- AES	ICP- AES
OA- GRA08b	Specific Gravity for Pulps	WST- SIM
Au- AA23	Au 30g FA- AA finish	AAS
ME- OG62	Ore Grade Elements - Four Acid	ICP- AES

To: REDTAIL METALS CORP.
ATTN: GILLES DESSUREAU
11TH FLOOR, 888 DUNSMUIR STREET
VANCOUVER BC V6C 3K4

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

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH12235293

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- ICP61a Ag ppm 1	ME- ICP61a Al % 0.05	ME- ICP61a As ppm 50	ME- ICP61a Ba ppm 50	ME- ICP61a Be ppm 10	ME- ICP61a Bi ppm 20	ME- ICP61a Ca % 0.05	ME- ICP61a Cd ppm 10	ME- ICP61a Co ppm 10	ME- ICP61a Cr ppm 10	ME- ICP61a Cu ppm 10	ME- ICP61a Fe % 0.05	ME- ICP61a Ga ppm 50	ME- ICP61a K % 0.1
AA027001		3.17	1	4.03	<50	2650	<10	<20	1.32	40	10	20	80	2.58	<50	4.3
AA027002		3.44	<1	6.66	<50	3230	<10	<20	4.83	10	10	60	70	5.30	<50	4.8
AA027003		3.65	19	3.76	<50	1550	<10	<20	2.81	140	<10	20	2770	8.25	<50	3.5
AA027004		4.48	14	2.79	<50	1610	<10	<20	1.04	50	<10	30	1460	3.55	<50	2.2
AA027005		7.28	82	1.26	110	130	<10	<20	1.50	390	10	10	5620	17.65	<50	0.3
AA027006		2.84	27	3.97	4480	950	<10	<20	3.91	110	10	30	1480	8.96	<50	2.8
AA027007		4.20	105	2.57	630	450	<10	<20	2.97	340	20	40	3280	19.20	<50	1.3
AA027008		1.96	17	2.61	70	610	<10	<20	2.80	80	20	20	650	8.32	<50	1.6
AA027009		0.54	<1	0.09	<50	680	<10	<20	21.9	<10	<10	<10	<10	0.52	<50	0.1
AA027010		1.28	2	4.95	<50	1180	<10	<20	4.87	10	10	40	440	6.57	<50	3.1
AA027011		1.48	2	5.01	110	1140	<10	<20	4.94	10	20	40	460	6.43	<50	3.0
AA027012		4.10	<1	5.54	<50	1320	10	<20	4.39	<10	20	30	90	5.55	<50	3.5
AA027013		0.07	26	5.32	80	1070	<10	20	4.28	160	60	100	5950	11.75	<50	0.7
AA027014		5.63	<1	5.02	<50	1560	<10	<20	4.13	<10	10	30	90	3.44	<50	3.4
AA027015		2.20	<1	5.37	<50	2910	<10	<20	3.89	10	10	20	250	3.50	<50	3.9
AA027016		4.17	<1	2.71	<50	3360	<10	<20	2.04	40	10	10	570	2.11	<50	2.4
AA027017		1.48	4	5.04	<50	3030	<10	<20	4.92	100	20	20	1520	5.05	<50	3.7
AA027018		1.36	5	4.27	<50	2750	<10	<20	4.96	100	20	20	1680	4.75	<50	3.6
AA027019		2.97	45	1.33	<50	560	<10	20	2.59	480	20	10	9570	9.99	<50	0.5
AA027020		5.45	4	2.81	<50	1410	<10	<20	3.59	40	10	70	1380	4.39	<50	2.1
AA027021		4.00	62	2.09	<50	460	<10	<20	1.83	520	<10	20	4850	10.45	<50	0.8
AA027022		5.64	64	1.61	<50	310	<10	<20	1.54	520	<10	20	6110	14.55	<50	0.7
AA027023		0.40	<1	0.07	<50	<50	<10	<20	21.2	<10	<10	<10	<10	0.47	<50	0.1
AA027024		5.70	21	2.44	<50	170	<10	<20	3.54	180	10	10	2580	10.45	<50	0.7
AA027025		0.08	26	4.93	80	980	<10	20	4.20	160	50	110	5870	11.45	<50	0.6
AA027026		3.14	5	2.18	<50	120	<10	<20	5.00	130	10	<10	670	5.75	<50	0.4
AA027027		2.59	13	2.53	<50	170	<10	<20	4.39	80	<10	10	1220	4.76	<50	0.8
AA027028		2.92	9	2.84	<50	290	10	20	3.65	90	<10	<10	540	6.01	<50	1.2
AA027029		6.93	4	5.27	<50	610	20	<20	3.07	40	10	20	260	6.01	<50	2.2
AA027030		3.10	3	2.99	<50	810	10	<20	3.69	50	<10	10	230	3.57	<50	1.8
AA027031		3.24	2	2.85	<50	340	10	<20	3.68	40	<10	10	300	3.52	<50	1.2
AA027032		3.56	4	2.69	<50	1260	10	<20	3.60	60	<10	10	520	3.31	<50	1.7
AA027033		3.42	4	2.73	<50	1260	10	<20	3.74	60	<10	10	530	3.36	<50	1.9
AA027034		3.37	<1	3.45	<50	1230	20	<20	4.46	10	<10	20	120	3.80	<50	2.0
AA027035		3.59	<1	4.36	<50	1020	20	<20	5.98	10	<10	10	50	4.46	<50	2.2
AA027036		3.32	2	3.72	<50	470	20	<20	6.00	50	10	10	590	5.58	<50	1.4
AA027037		4.62	16	2.70	<50	480	10	40	3.72	160	50	60	8480	7.22	<50	1.2
AA027038		3.51	<1	2.96	<50	290	20	<20	3.27	20	10	50	800	3.28	<50	1.2
AA027039		3.08	8	1.30	<50	140	<10	<20	3.77	30	20	40	3760	3.20	<50	0.5
AA027040		3.41	1	2.18	<50	270	<10	<20	2.67	<10	10	30	800	2.42	<50	1.5



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Account: CORIE

CERTIFICATE OF ANALYSIS WH12235293

Sample Description	Method Analyte Units LOR	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a
		La ppm 50	Mg % 0.05	Mn ppm 10	Mo ppm 10	Na % 0.05	Ni ppm 10	P ppm 50	Pb ppm 20	S % 0.05	Sb ppm 50	Sc ppm 10	Sr ppm 10	Th ppm 50	Ti % 0.05	Tl ppm 50
AA027001		60	0.61	400	<10	0.28	<10	790	1790	0.98	<50	10	50	<50	0.34	<50
AA027002		60	1.64	1770	<10	0.29	<10	1210	270	0.78	<50	20	140	<50	0.86	<50
AA027003		<50	0.91	1400	<10	1.09	10	690	11100	5.21	<50	10	80	<50	0.45	<50
AA027004		<50	0.53	560	<10	1.23	<10	430	6840	2.26	<50	10	50	<50	0.24	<50
AA027005		<50	0.37	830	20	0.69	60	190	52500	>10.0	70	<10	40	<50	0.07	<50
AA027006		<50	1.22	1610	<10	0.92	20	1980	13100	4.73	<50	10	110	<50	0.88	<50
AA027007		<50	0.89	1580	30	0.62	50	470	58500	>10.0	100	10	90	<50	0.26	<50
AA027008		<50	0.88	1010	<10	0.57	10	690	11100	5.52	<50	10	110	<50	0.31	<50
AA027009		<50	11.45	230	<10	0.05	<10	150	220	0.07	<50	<10	50	<50	<0.05	<50
AA027010		<50	2.71	1880	<10	0.40	<10	670	220	1.60	<50	10	130	<50	0.52	<50
AA027011		<50	2.69	1960	<10	0.42	<10	660	180	1.48	<50	10	140	<50	0.51	<50
AA027012		<50	1.49	1180	<10	0.37	<10	1420	60	0.54	<50	20	120	<50	1.11	<50
AA027013		<50	2.43	980	10	1.42	50	580	6930	7.85	50	20	180	<50	0.45	<50
AA027014		<50	0.99	1080	<10	0.39	<10	480	40	0.38	<50	10	120	<50	0.32	<50
AA027015		60	1.07	990	<10	0.23	<10	730	70	0.82	<50	10	90	<50	0.35	<50
AA027016		<50	0.44	480	<10	1.52	<10	600	90	1.09	<50	<10	100	<50	0.21	<50
AA027017		<50	1.19	1400	<10	0.41	<10	1080	1950	2.40	<50	20	130	<50	1.07	<50
AA027018		<50	1.04	1280	<10	0.42	<10	980	1900	2.36	<50	20	140	<50	0.96	<50
AA027019		<50	0.50	1100	30	0.27	30	160	34500	9.20	<50	<10	60	<50	<0.05	<50
AA027020		<50	1.06	1040	10	0.64	20	430	1150	2.21	<50	10	70	<50	0.40	<50
AA027021		<50	0.60	1220	20	0.61	20	530	59800	>10.0	60	<10	40	<50	0.12	<50
AA027022		<50	0.44	1280	10	0.34	30	270	72000	>10.0	50	<10	30	<50	0.12	<50
AA027023		<50	11.50	180	<10	<0.05	<10	220	190	0.05	<50	<10	40	<50	<0.05	<50
AA027024		<50	0.96	1270	<10	0.61	10	180	17500	6.88	<50	<10	60	<50	0.06	<50
AA027025		<50	2.33	970	10	1.37	40	560	6800	7.70	60	20	170	<50	0.44	<50
AA027026		<50	0.91	1250	<10	0.56	<10	260	9090	3.95	<50	<10	60	<50	0.06	<50
AA027027		<50	1.03	1200	<10	0.50	<10	340	7790	2.55	<50	<10	80	<50	0.12	<50
AA027028		<50	1.16	1200	<10	0.42	<10	320	8760	3.09	<50	<10	90	<50	0.08	<50
AA027029		<50	1.47	1270	<10	0.63	<10	1940	1740	1.26	<50	10	80	<50	0.89	<50
AA027030		<50	1.04	1110	<10	0.55	<10	340	1800	0.99	<50	<10	90	<50	0.16	<50
AA027031		<50	0.86	1050	<10	0.88	<10	410	2900	0.94	<50	<10	110	<50	0.18	<50
AA027032		<50	1.05	1130	<10	0.40	<10	370	3440	1.14	<50	<10	60	<50	0.18	<50
AA027033		<50	1.08	1190	<10	0.40	<10	370	3450	1.14	<50	<10	60	<50	0.18	<50
AA027034		<50	1.16	1350	<10	0.45	<10	420	630	0.35	<50	<10	70	<50	0.21	<50
AA027035		<50	1.80	1660	<10	0.55	<10	430	270	0.29	<50	10	80	<50	0.20	<50
AA027036		<50	1.78	1670	<10	0.59	<10	390	530	1.66	<50	10	90	<50	0.18	<50
AA027037		<50	1.03	1120	<10	0.78	20	1100	3450	4.45	<50	10	90	<50	0.56	<50
AA027038		<50	1.10	880	<10	0.93	<10	690	230	0.75	<50	10	110	<50	0.38	<50
AA027039		<50	0.50	630	<10	0.38	10	840	170	2.00	<50	<10	70	<50	0.09	<50
AA027040		<50	0.76	630	<10	0.25	<10	780	40	0.32	<50	<10	60	<50	0.24	<50



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CERTIFICATE OF ANALYSIS WH12235293

Sample Description	Method Analyte Units LOR	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	Zn- OG62	ME- ICP61a	OA- GRA08b	Au- AA23
		U	V	W	Zn	Zn	Se	S.G.	Au
		ppm 50	ppm 10	ppm 50	ppm 20	% 0.001	ppm 30	Unity 0.01	ppm 0.005
AA027001		<50	40	90	10150		<30	2.89	<0.005
AA027002		<50	130	110	2020		<30	2.95	<0.005
AA027003		<50	120	280	39400		<30	3.02	0.089
AA027004		<50	70	120	14600		<30	2.80	0.046
AA027005		<50	30	<50	>100000	11.95	<30	3.64	0.203
AA027006		<50	160	220	32100		<30	3.08	0.081
AA027007		<50	90	<50	>100000	10.35	<30	3.58	0.210
AA027008		<50	80	150	21600		<30	2.94	0.044
AA027009		<50	<10	<50	290		<30	2.89	<0.005
AA027010		<50	120	<50	2560		<30	2.97	<0.005
AA027011		<50	120	<50	3400		<30	2.98	0.170
AA027012		<50	200	<50	330		<30	2.98	<0.005
AA027013		<50	170	230	31400		<30		0.052
AA027014		<50	60	<50	230		<30	2.88	<0.005
AA027015		<50	50	<50	3170		<30	2.83	<0.005
AA027016		<50	30	70	9250		<30	2.82	<0.005
AA027017		<50	220	210	27800		<30	3.01	0.015
AA027018		<50	200	220	27500		<30	2.98	0.025
AA027019		<50	60	<50	>100000	13.05	40	3.36	0.250
AA027020		<50	140	80	11650		<30	2.88	0.017
AA027021		<50	60	<50	>100000	14.60	<30	3.52	0.230
AA027022		<50	40	<50	>100000	15.15	<30	3.67	0.128
AA027023		<50	<10	<50	350		<30	3.04	<0.005
AA027024		<50	20	380	56700		<30	3.05	<0.005
AA027025		<50	170	240	31100		<30		0.053
AA027026		<50	10	300	43000		<30	2.92	<0.005
AA027027		<50	30	150	22800		<30	2.93	<0.005
AA027028		<50	20	190	25000		<30	2.95	<0.005
AA027029		<50	130	120	9590		<30	2.90	<0.005
AA027030		<50	30	90	12000		<30	2.80	<0.005
AA027031		<50	40	70	9220		<30	2.80	<0.005
AA027032		<50	30	110	15900		30	2.98	<0.005
AA027033		<50	40	120	16200		40	2.94	<0.005
AA027034		<50	50	50	2820		<30	2.94	<0.005
AA027035		<50	50	<50	1520		<30	3.00	<0.005
AA027036		<50	60	90	12450		<30	3.02	<0.005
AA027037		<50	170	270	41000		50	3.14	0.007
AA027038		<50	120	<50	4360		<30	2.91	<0.005
AA027039		<50	130	80	8290		<30	2.97	<0.005
AA027040		<50	110	<50	680		<30	2.90	0.008



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	ME- ICP61a Ag ppm 1	ME- ICP61a Al % 0.05	ME- ICP61a As ppm 50	ME- ICP61a Ba ppm 50	ME- ICP61a Be ppm 10	ME- ICP61a Bi ppm 20	ME- ICP61a Ca % 0.05	ME- ICP61a Cd ppm 10	ME- ICP61a Co ppm 10	ME- ICP61a Cr ppm 10	ME- ICP61a Cu ppm 10	ME- ICP61a Fe % 0.05	ME- ICP61a Ga ppm 50	ME- ICP61a K % 0.1
AA027041		3.24	<1	3.03	<50	660	<10	<20	3.65	<10	10	30	40	3.12	<50	2.3
AA027042		3.61	<1	4.89	<50	1100	<10	<20	5.02	<10	30	50	140	5.50	<50	2.5
AA027043		3.49	<1	3.04	<50	4770	<10	<20	1.41	10	<10	10	270	2.54	<50	3.4
AA027044		3.80	<1	3.20	<50	3550	<10	<20	4.64	<10	10	50	70	3.20	<50	3.1
AA027045		3.67	<1	4.10	<50	3220	10	<20	4.09	10	10	30	190	4.03	<50	2.7
AA027046		3.02	1	2.46	<50	4410	10	<20	3.26	10	10	20	500	3.45	<50	3.1
AA027047		3.80	63	1.06	<50	350	10	20	0.79	570	10	10	3910	14.50	<50	0.5
AA027048		3.45	39	3.10	<50	590	30	<20	2.96	430	20	40	2930	12.65	<50	1.5
AA027049		3.96	38	3.41	<50	540	10	<20	1.63	220	<10	40	4740	14.45	<50	1.9
AA027050		3.66	21	2.02	<50	490	<10	<20	0.35	130	<10	10	1160	10.80	<50	1.7
AA027051		2.02	40	1.80	<50	500	10	<20	0.39	270	<10	10	2170	14.10	<50	1.7
AA027052		1.83	43	1.54	<50	500	10	<20	0.38	260	<10	10	2460	13.80	<50	1.7
AA027053		3.13	57	1.82	<50	360	10	<20	0.88	500	<10	10	3100	16.70	<50	1.1
AA027054		2.73	49	2.58	<50	440	20	<20	1.82	350	<10	30	3310	16.15	<50	1.5
AA027055		0.48	<1	0.34	<50	60	<10	<20	20.2	<10	<10	<10	<10	0.50	<50	0.3
AA027056		3.01	11	2.33	<50	410	<10	<20	1.48	90	<10	20	820	6.98	<50	1.2
AA027057		3.26	8	2.33	<50	310	<10	<20	1.28	90	<10	10	440	5.80	<50	1.0
AA027058		3.88	3	4.62	<50	1180	10	<20	4.17	30	10	20	150	6.82	<50	2.3
AA027059		6.65	1	4.29	<50	1420	<10	<20	3.04	40	10	20	110	3.57	<50	2.4
AA027060		7.19	<1	5.20	<50	1850	10	<20	4.65	<10	20	20	60	5.30	<50	3.3
AA027061		7.16	6	3.28	<50	1410	10	<20	2.66	50	<10	20	430	3.78	<50	2.0
AA027062		7.00	2	4.61	<50	1970	<10	<20	1.85	50	10	20	740	4.27	<50	2.7
AA027063		5.75	2	3.68	<50	2200	10	<20	4.25	40	<10	20	630	2.99	<50	2.7
AA027064		7.47	1	2.40	<50	1970	10	<20	4.80	10	10	30	40	3.16	<50	2.3
AA027065		8.26	3	1.57	<50	460	10	<20	2.40	50	10	60	840	4.22	<50	1.0
AA027066		0.07	26	5.13	50	860	<10	20	4.33	160	60	120	5880	11.55	<50	0.6
AA027067		3.33	<1	5.38	<50	2830	<10	<20	1.51	<10	<10	10	80	2.95	<50	4.5
AA027068		3.47	<1	4.96	<50	2900	<10	<20	4.84	<10	10	40	80	4.42	<50	3.7
AA027069		3.50	2	5.91	<50	3630	<10	<20	3.37	40	10	20	980	5.74	<50	3.9
AA027070		3.39	61	2.38	<50	680	<10	<20	3.45	410	<10	10	3750	12.80	<50	0.9
AA027071		2.33	123	1.88	60	330	<10	<20	2.38	450	10	20	8100	18.65	<50	0.5
AA027072		3.27	30	1.70	<50	560	<10	<20	2.86	110	<10	20	2060	5.62	<50	1.2
AA027073		3.71	35	2.26	<50	690	<10	<20	3.22	230	10	30	1920	7.54	<50	1.9
AA027074		1.81	14	3.43	<50	900	<10	<20	4.63	240	10	10	2260	8.72	<50	2.6
AA027075		1.58	14	3.31	<50	910	<10	<20	4.43	210	10	10	2390	9.42	<50	2.6
AA027076		4.50	20	3.14	<50	290	<10	<20	4.30	240	10	10	1310	9.29	<50	0.8
AA027077		0.40	<1	0.06	<50	<50	<10	<20	21.6	<10	<10	<10	10	0.38	<50	<0.1
AA027078		4.37	2	3.84	<50	890	<10	<20	4.13	10	10	20	410	7.24	<50	1.9
AA027079		0.07	26	4.98	80	870	<10	20	4.15	160	50	110	5830	11.50	<50	0.7
AA027080		6.43	14	1.91	<50	2290	<10	<20	1.26	50	<10	20	610	3.08	<50	2.3



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CERTIFICATE OF ANALYSIS WH12235293

Sample Description	Method Analyte Units LOR	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	
		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	
		ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm
		50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05	50	
AA027041		<50	0.86	930	<10	0.63	<10	1390	30	0.05	<50	10	80	<50	0.84	<50	
AA027042		<50	1.41	1450	<10	0.83	10	1910	30	0.21	<50	20	120	<50	1.62	<50	
AA027043		<50	0.56	610	<10	0.85	<10	670	20	0.56	<50	<10	80	<50	0.30	<50	
AA027044		<50	0.85	1170	<10	1.20	10	510	80	0.39	<50	10	110	<50	0.30	<50	
AA027045		<50	0.94	1050	<10	1.67	<10	870	50	0.86	<50	10	150	<50	0.64	<50	
AA027046		<50	0.54	970	<10	1.10	<10	760	60	1.19	<50	<10	120	<50	0.38	<50	
AA027047		<50	0.37	1100	20	0.33	30	250	72000	>10.0	60	<10	30	<50	<0.05	<50	
AA027048		<50	1.17	1670	20	0.54	20	750	50000	>10.0	60	10	80	<50	0.34	<50	
AA027049		<50	0.91	1260	<10	0.57	10	310	32800	>10.0	<50	10	50	<50	0.26	<50	
AA027050		<50	0.40	730	<10	0.34	<10	130	23800	9.85	<50	<10	20	<50	0.09	<50	
AA027051		<50	0.46	1000	<10	0.18	<10	50	39700	>10.0	<50	<10	30	<50	0.08	<50	
AA027052		<50	0.43	990	<10	0.17	<10	60	43100	>10.0	60	<10	30	<50	0.08	<50	
AA027053		<50	0.50	1360	<10	0.31	10	110	74700	>10.0	70	<10	40	<50	0.07	<50	
AA027054		<50	0.66	1520	<10	0.48	10	290	50800	>10.0	<50	10	50	<50	0.24	<50	
AA027055		<50	11.00	190	<10	0.17	<10	190	150	0.05	<50	<10	60	<50	<0.05	<50	
AA027056		<50	0.73	970	<10	0.55	<10	560	16600	3.91	<50	<10	40	<50	0.18	<50	
AA027057		<50	0.78	1010	<10	0.60	<10	270	13000	2.90	<50	<10	30	<50	0.07	<50	
AA027058		<50	1.27	1410	<10	0.33	<10	2160	5990	1.23	<50	20	80	<50	1.02	<50	
AA027059		<50	0.86	1000	<10	0.30	<10	1050	1480	1.03	<50	10	60	<50	0.50	<50	
AA027060		<50	1.03	1260	<10	0.37	10	3100	760	0.33	<50	20	70	<50	1.39	<50	
AA027061		<50	0.69	990	<10	0.55	<10	380	6430	1.51	<50	<10	50	<50	0.18	<50	
AA027062		<50	0.73	850	<10	0.28	<10	370	6340	1.62	<50	<10	50	<50	0.19	<50	
AA027063		<50	0.65	1150	<10	0.26	<10	400	3120	0.94	<50	<10	80	<50	0.19	<50	
AA027064		<50	0.84	1320	<10	0.32	<10	440	290	0.48	<50	<10	70	<50	0.23	<50	
AA027065		<50	0.73	850	<10	0.34	<10	650	5030	2.08	<50	<10	60	<50	0.26	<50	
AA027066		<50	2.38	980	10	1.39	40	580	6810	7.72	60	20	180	<50	0.45	<50	
AA027067		60	0.76	690	<10	0.28	<10	690	60	0.38	<50	10	60	<50	0.31	<50	
AA027068		50	0.95	980	<10	0.89	<10	960	60	0.39	<50	10	120	<50	0.73	<50	
AA027069		60	1.11	1160	<10	0.55	<10	810	210	1.73	<50	10	110	<50	0.51	<50	
AA027070		<50	0.83	1550	20	0.79	30	290	37000	>10.0	50	<10	80	<50	0.13	<50	
AA027071		<50	0.60	1310	20	0.69	40	250	59900	>10.0	90	<10	60	<50	0.19	<50	
AA027072		<50	0.51	1050	<10	1.14	<10	250	9920	4.43	<50	<10	70	<50	0.14	<50	
AA027073		<50	0.85	1460	10	0.98	10	370	22400	6.07	<50	<10	90	<50	0.26	<50	
AA027074		<50	1.14	1910	<10	0.79	10	1400	5200	6.04	<50	<10	110	<50	0.15	<50	
AA027075		<50	1.14	1830	<10	0.84	10	1530	5120	5.96	<50	<10	120	<50	0.17	<50	
AA027076		<50	1.23	2000	10	1.32	<10	370	22000	7.16	<50	<10	100	<50	0.08	<50	
AA027077		<50	9.85	160	<10	<0.05	<10	180	50	<0.05	<50	<10	50	<50	<0.05	<50	
AA027078		<50	1.69	1690	<10	0.48	<10	1930	950	1.39	<50	10	100	<50	0.83	<50	
AA027079		<50	2.35	970	10	1.38	50	560	6740	7.66	<50	20	180	<50	0.45	<50	
AA027080		<50	0.39	450	<10	0.73	<10	470	5950	1.86	<50	<10	70	<50	0.24	<50	



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Sample Description	Method Analyte Units LOR	ME- ICP61a U ppm 50	ME- ICP61a V ppm 10	ME- ICP61a W ppm 50	ME- ICP61a Zn ppm 20	Zn- OG62 Zn % 0.001	ME- ICP61a Se ppm 30	OA- GRA08b S.G. Unity 0.01	Au- AA23 Au ppm 0.005
AA027041		<50	180	<50	90		<30	2.87	<0.005
AA027042		<50	330	<50	260		<30	2.96	<0.005
AA027043		<50	20	<50	3120		<30	2.90	0.009
AA027044		<50	50	<50	590		<30	2.89	<0.005
AA027045		<50	120	150	2670		<30	2.97	<0.005
AA027046		<50	70	<50	2370		<30	2.93	<0.005
AA027047		<50	30	<50	>100000	16.80	<30	3.63	0.157
AA027048		<50	90	<50	>100000	13.00	<30	3.66	0.077
AA027049		<50	60	480	70000		<30	3.47	0.083
AA027050		<50	10	260	39000		<30	3.27	0.034
AA027051		<50	10	550	82800		<30	3.55	0.046
AA027052		<50	20	540	82200		<30	3.57	0.053
AA027053		<50	20	<50	>100000	15.10	<30	3.82	0.082
AA027054		<50	50	<50	>100000	10.75	<30	3.72	0.071
AA027055		<50	<10	<50	200		<30	3.02	<0.005
AA027056		<50	20	190	27700		<30	3.07	0.015
AA027057		<50	10	200	27400		<30	2.96	0.007
AA027058		<50	140	70	8710		<30	3.12	<0.005
AA027059		<50	80	90	12350		<30	2.97	<0.005
AA027060		<50	200	<50	1570		<30	3.04	<0.005
AA027061		<50	30	100	12800		<30	2.90	<0.005
AA027062		<50	30	90	12700		<30	2.91	<0.005
AA027063		<50	30	70	9640		<30	2.96	<0.005
AA027064		<50	60	<50	3450		<30	2.97	<0.005
AA027065		<50	110	100	13400		<30	2.99	<0.005
AA027066		<50	170	220	31200		<30		0.055
AA027067		<50	20	<50	420		<30	2.91	<0.005
AA027068		<50	120	<50	320		<30	2.86	<0.005
AA027069		<50	80	80	10600		<30	3.02	0.034
AA027070		<50	50	<50	>100000	13.00	<30	3.52	0.895
AA027071		<50	60	<50	>100000	12.75	<30	3.83	0.377
AA027072		<50	40	200	32000		<30	3.00	0.185
AA027073		<50	70	430	68400		<30	3.22	0.185
AA027074		<50	30	460	70400		<30	3.22	0.029
AA027075		<50	40	400	60400		<30	3.22	0.013
AA027076		<50	20	460	71800		<30	3.18	0.022
AA027077		<50	<10	<50	230		<30	3.12	<0.005
AA027078		<50	120	<50	4370		<30	3.03	<0.005
AA027079		<50	160	210	31000		<30		0.046
AA027080		<50	40	90	13050		<30	2.98	<0.005



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	ME- ICP61a Ag ppm	ME- ICP61a Al %	ME- ICP61a As ppm	ME- ICP61a Ba ppm	ME- ICP61a Be ppm	ME- ICP61a Bi ppm	ME- ICP61a Ca %	ME- ICP61a Cd ppm	ME- ICP61a Co ppm	ME- ICP61a Cr ppm	ME- ICP61a Cu ppm	ME- ICP61a Fe %	ME- ICP61a Ga ppm	ME- ICP61a K %
AA027081		4.76	8	2.24	<50	2210	<10	20	2.04	50	10	10	480	4.25	<50	2.3
AA027082		5.91	3	4.32	<50	2290	<10	20	4.44	60	10	10	820	6.36	<50	2.9
AA027083		3.09	2	2.11	<50	1840	<10	20	0.54	20	<10	20	210	1.67	<50	1.9
AA027084		2.91	<1	3.83	470	1740	<10	<20	1.44	<10	10	80	80	2.64	<50	1.9
AA027085		5.18	2	4.32	4010	2430	<10	<20	1.80	30	10	70	190	2.62	<50	3.0
AA027086		2.80	<1	3.73	<50	2130	<10	<20	2.25	<10	10	20	540	3.72	<50	3.1
AA027087		2.93	19	4.80	<50	1540	<10	<20	4.63	110	10	100	2140	6.87	<50	2.4
AA027088		4.58	83	1.62	<50	370	<10	<20	0.44	350	<10	10	4200	15.55	<50	0.8
AA027089		3.66	55	3.20	<50	700	<10	<20	1.83	380	<10	50	2360	10.75	<50	1.9
AA027090		3.15	56	1.81	<50	520	<10	<20	0.39	330	<10	20	5080	12.35	<50	0.9
AA027091		4.60	83	1.80	60	330	<10	<20	0.25	470	10	20	4720	15.15	<50	0.5
AA027092		2.80	7	3.00	<50	1100	<10	<20	3.27	50	10	10	630	5.39	<50	2.1
AA027093		3.15	8	4.31	<50	1810	10	<20	0.74	40	10	20	490	4.70	<50	2.4
AA027094		3.04	<1	5.95	<50	1930	<10	<20	2.39	10	20	20	120	10.00	<50	2.5
AA027095		0.47	<1	0.10	<50	<50	<10	<20	20.5	<10	<10	<10	<10	0.40	<50	0.1
AA027096		1.34	2	5.40	<50	2820	<10	<20	0.51	30	10	20	160	5.05	<50	2.9
AA027097		1.21	4	5.30	<50	2610	<10	<20	0.46	40	10	10	120	5.57	<50	2.6
AA027098		4.02	<1	5.51	<50	3170	<10	<20	1.54	10	10	20	50	4.45	<50	3.4
AA027099		0.41	<1	0.09	<50	<50	<10	<20	20.8	<10	<10	<10	<10	0.48	<50	0.1
AA027100		3.37	1	4.35	<50	1630	<10	<20	2.22	10	<10	20	120	5.41	<50	1.7



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CERTIFICATE OF ANALYSIS WH12235293

Sample Description	Method Analyte Units LOR	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	ME- ICP61a	
		La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl
		ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		50	0.05	10	10	0.05	10	50	20	0.05	50	10	10	50	0.05	50
AA027081		<50	0.56	760	<10	0.53	<10	410	2440	2.01	<50	<10	80	<50	0.17	<50
AA027082		<50	1.52	1910	<10	0.24	<10	440	5870	2.05	<50	<10	120	<50	0.19	<50
AA027083		<50	0.57	310	<10	0.13	<10	270	3120	0.46	<50	<10	40	<50	0.13	<50
AA027084		<50	0.63	320	10	<0.05	70	2090	60	0.57	<50	10	80	<50	0.24	<50
AA027085		<50	0.81	320	10	0.07	50	1300	2690	1.33	<50	10	80	<50	0.20	<50
AA027086		<50	0.81	530	<10	1.60	<10	1120	130	2.23	<50	10	100	<50	0.35	<50
AA027087		<50	1.25	1140	<10	0.81	20	710	10050	3.82	<50	10	140	<50	0.49	<50
AA027088		<50	0.32	990	<10	0.05	10	170	58000	>10.0	70	<10	60	<50	0.11	<50
AA027089		<50	0.94	1760	10	0.18	<10	840	44700	9.63	60	10	90	<50	0.52	<50
AA027090		<50	0.45	1220	10	0.31	20	440	40600	>10.0	70	<10	60	<50	0.15	<50
AA027091		<50	0.41	1240	20	0.36	20	310	59500	>10.0	100	<10	40	<50	0.11	<50
AA027092		<50	1.09	1360	<10	0.07	<10	600	3150	2.28	<50	<10	150	<50	0.22	<50
AA027093		<50	0.50	780	<10	0.07	<10	1000	3420	1.71	<50	10	70	<50	0.46	<50
AA027094		<50	1.83	1210	<10	0.09	<10	3150	650	0.35	<50	20	100	<50	1.43	<50
AA027095		<50	11.20	160	<10	0.05	<10	310	30	<0.05	<50	<10	50	<50	<0.05	<50
AA027096		<50	1.33	940	<10	0.09	<10	500	1100	0.95	<50	10	60	<50	0.23	<50
AA027097		<50	1.34	1010	<10	0.09	<10	490	1260	1.34	<50	10	50	<50	0.22	<50
AA027098		<50	1.31	850	<10	0.18	<10	500	570	0.27	<50	10	90	<50	0.26	<50
AA027099		<50	12.05	210	<10	<0.05	<10	190	<20	<0.05	<50	<10	40	<50	<0.05	<50
AA027100		<50	1.37	1240	<10	0.07	<10	680	310	0.68	<50	10	110	<50	0.19	<50



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Finalized Date: 7- NOV- 2012

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