

2012 DIAMOND DRILLING REPORT

on the

RADIO HILL PROPERTY,

TIMMINS WEST PROJECT,

PORCUPINE MINING DIVISION,

NORTHEASTERN ONTARIO

For

ROGUE IRON ORE CORP

May 30, 2013

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SUMMARY

The Radio Hill Property, held by Rogue Iron Ore Corp, is situated 80 km southwest of Timmins, Ontario. It is comprised of 11 unpatented mining claims (1,789 hectares) in Penhorwood Township. It forms part of Rogue Iron Ore Timmins West Project.

Previous exploration work by Rogue on the Radio Hill Property has included in 2008 a two hole diamond drilling program and mechanical stripping on the Radio Hill Iron Formation. This was followed in 2010 by the drilling of hole RH10-01.

The objective of the 2011-2012 diamond drilling program was to carry out a 43-101 compliant resource estimate on the Radio Hill iron deposit. The deposit has a historical resource of 427 million tons grading 27.3% iron. The Radio Hill deposit was developed in the 1960s by Kukatush Mining Corp.

A total of 18 drill holes (RH11-23 to RH12-40), were completed by one drill rig from January 9 to May 12, 2012. The iron formation intersected in the drill holes was sampled and sent for analysis. The analysis included the following: whole rock XRF analysis and Satmagan testing. The complete the 2011-2012 diamond drilling program consisted of 40 holes totalling 9,405 m.

This program has returned the following significant iron results: 37.9% total iron (Fe₃O₄) over 164 m from hole RH-11-06, 42.2% total iron over 171 m from hole RH-11-10, 45.5% total iron over 149.8 m from hole RH-11-11, as 28.45% total iron (Fe₃O₄) over 307.5 m from hole RH-11-24 and 32.25% total iron (Fe₃O₄) over 98.6 m from hole RH-12-29. These results are significant and along with the sufficient drilling conducted in the 2011-12 drilling program allow for the completion of a 43-101 compliant resource estimate on the Radio Hill iron deposit.

It is recommended that iron liberation metallurgical work be completed on composites of the drill core from the program. This metallurgical work, along with a 43-101 compliant resource estimate, will be important in determining the economic viability of the Radio Hill iron deposit.

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INTRODUCTION

The Radio Hill Property is comprised of 11 contiguous unpatented mining claims (111 claim units) covering approximately 1,789 hectares in Penhorwood Township. The property is held 100% by Rogue Iron Ore Corp.

Exploration work in 2008 consisted of diamond drilling (Hartley, 2008) and mechanical stripping on the Radio Hill Iron Formation (Montgomery and Sparling, 2008). This was followed in 2010 by the drilling of hole RH10-01 (Montgomery, 2011).

The 2011 diamond drilling program consisted of 22 drill holes totalling 4,202 m. Two assessment reports describe the program and its results (Montgomery, 2011b and Montgomery, 2012). The program returned the following significant iron results: 40.6% total iron (Fe₃O₄) over 141 m from hole RH-08-01, 40.2% total iron over 354 m from hole RH-10-01 (27.1% and 30.5% iron Davies Tube weight recovery respectively), 37.9% total iron over 164 m from hole RH-11-06, 42.2% total iron over 171 m from hole RH-11-10, and 45.5% total iron over 149.8 m from hole RH-11-11.

This current report describes the 2012 diamond drilling program on the Radio Hill Property that was carried out from January 9 to May 12, 2012. It includes all assay results and final drill logs for the 2012 drilling program.

The objective of the 2011-2012 diamond drilling program was to complete an updated 43-101 compliant resource estimate on the Radio Hill iron deposit.

PROPERTY LOCATION AND ACCESS

The Radio Hill Property, held by Rogue Iron Ore is located 76 kilometres southwest of Timmins, Ontario (Figure 1). It is comprised of 11 mining claims (111 claim units totalling about 1,789 hectares) that covers west central Penhorwood Township.

The property is readily accessed by motor vehicle from Highway 101 West. The north-south trending Kukatush gravel road cuts through the central portion of the property. This road extends from Highway 101 to the Kukatush railroad siding on the CNR main line. A network of ATV and drill trails off the Kukatush gravel road gives further access to the property.

The main east-west rail line of the Canadian National Railway connecting eastern and western Canada transects the southwest corner of the Radio Hill Property, about 3 km south of hole RH10-01.



Figure 1 Location Map

Table 1 Radio Hill Property Claims

Claim	Units	Due Date	Date Recorded	Work Req	Township
4220731	16	22-Jun-17	22-Jun-06	\$6,400.00	Penhorwood
3019027	4	17-Oct-14	17-Oct-06	\$1,600.00	Penhorwood
4212618	4	17-Oct-15	17-Oct-06	\$1,600.00	Penhorwood
3019028	3	14-Nov-14	14-Nov-06	\$1,200.00	Penhorwood
4223266	14	19-Nov-14	19-Nov-06	\$5,600.00	Penhorwood
4224187	16	19-Nov-14	19-Nov-06	\$6,400.00	Penhorwood
4224188	16	19-Nov-14	19-Nov-06	\$6,400.00	Penhorwood
4224189	16	19-Nov-14	19-Nov-06	\$6,400.00	Penhorwood
4212499	4	14-Dec-14	14-Dec-06	\$1,600.00	Penhorwood
4214719	12	01-Mar-14	01-Mar-06	\$4,800.00	Penhorwood
3010209	6	25-June-17	25-June-04	\$2,400.00	Penhorwood

TIMMINS WEST PROJECT GEOLOGY

The project lies within the Superior Province of Archean basement rocks, in the Eastern Canadian Shield. It is situated in the northeastern part of the Swayze Greenstone belt which appears to be the western extension of the Abitibi Greenstone belt.

The project area is predominantly underlain by southwest trending metamorphosed (greenschist) volcanics of the Muskego-Reeves Assemblage ranging from ultramafic to felsic. The mafic volcanics are pillowed to massive andesitic or basaltic flows and are the dominant rock type, on the property. Ultramafic volcanic flow units and/or intrusive sills, trending east-west, occur in the central portion of the property. They are intermixed with the mafic volcanics.

The east central portion of the project area is underlain by felsic volcanics of the Hanrahan Lake Complex that extend west from Kenogaming Township. The felsic volcanics are comprised of tuffs, lapilli tuffs, agglomerates and intermediate to felsic flows. They form the core of a major northwest plunging antiform fold. A fairly continuous iron formation known as the Nat River iron formation marks the boundary between the felsic volcanics and the mafic volcanics.

In the west portion of the project area (Radio Hill Property), metasediments consisting of greywackes and conglomerates occur. South of these metasediments, the geology consists of east-west trending mafic volcanic, ultramafic volcanic, metasediments and felsic volcanic units. In the central part of this east-west sequence is situated the Radio Hill iron formation. The Radio Hill iron formation has a historical resource, non 43-101 compliant, of a minimum of 158 million tons of banded chert-magnetite iron ore with an average grade of approximately 27.8% acid soluble iron outlined by Kukatush Mining Corporation in the

1960's (Hartley, 2008). South of the east-west trending sequence is the Kukatush Stock.

The north centre part of the project area is underlain by north-south trending ultramafic, mafic and felsic porphyry intrusive units that may be part of a layered complex. These intrusive units are interpreted to be sliced up by a series of northeast trending faults. In the southwest, the Kukatush Stock (Biotite hornblende granodiorite) intrudes the volcanics and in the southeast the Kenogamissi Batholith (hornblende and/or biotite bearing granodiorite to tonalite gneiss). Smaller quartz-feldspar and feldspar porphyry intrusive bodies also occur in the project area. All the rock types are intruded by late north to north-northwest trending diabase dykes.

Three major faults cross cut the project, the east-west trending Destor-Porcupine, the east-west trending Jehann Lake Fault and the southwest trending Hardiman Bay Fault (see Figure 2).

RADIO HILL IRON FORMATION GEOLOGY

The Radio Hill iron formation is hosted in a stratigraphic sequence composed of sedimentary and volcanic rocks that are bound to the south by the Kukatush pluton and to the north by the Nat River igneous complex. The iron formation has a complex geologic history and has been metamorphosed to greenschist facies, folded and faulted, and intruded by mafic dikes.

Based on the 2011-2012 drilling program, Ken Rattee has described the Radio Hill geology as follows: Generally the Radio Hill stratigraphy can be characterized as a thick sequence of iron formation bounded by sedimentary units to the south and ultramafic komatiite flows with sediments to the north (Figure 3). The banded iron formation is composed of beds of chert alternating with beds of magnetite, iron carbonates, minnesotaite and chlorite. Chlorite is typically associated with a pyrrhotite-pyrite replacement. The iron formation is intruded by intermediate and mafic dykes. Local sedimentary argillite can also be found within the iron formation sequence. The sedimentary units bounding the iron formation to the south are predominantly thickly bedded greywackes and mudstones.

Banded iron formation (IF-E, IF-F)

Historically the magnetite-rich banded iron formation was subdivided into IF-E and IF-F groups based on the observed percentage of massive, magnetite beds within the unit. Lengths with greater than 50% magnetite beds were categorized as IF-E while those with less than 50% magnetite beds and greater than 20% were categorized as IF-F. The distinction between IF-E and IF-F are metallurgical not lithological in nature and show a

Cross-section 412325E

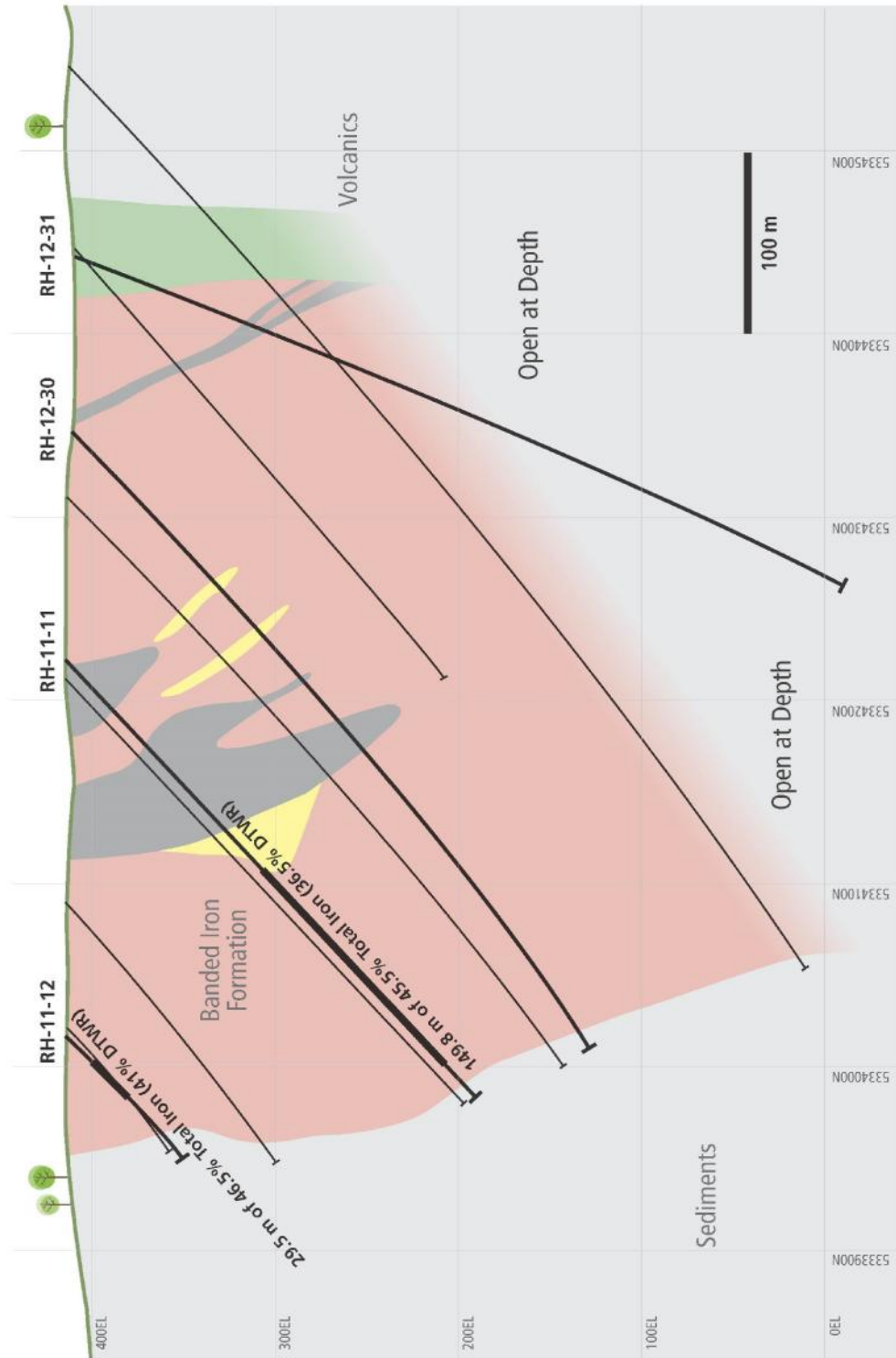


Figure 3 Radio Hill Deposit Section

continuum between the two. IF-E and IF-F should only be considered as the high grade and low grade members of the same lithological unit. As observed in the 2008 to 2012 drill programs significant lengths of iron formation with magnetite beds greater than 50% of the total length of the unit was rarely seen in the core. The IF-F and IF-E units are considered the iron ore units of the deposit. Bedding angles to core axis can vary drastically over short intervals indicating tight folding

The iron formation is characterized by beds of fine-grained, massive, dark grey magnetite with a distinctive metallic lustre. Low-grade iron formation that has narrower magnetite beds shows a duller appearance than the higher-grade iron formation containing thicker magnetite beds. Magnetite beds are typically 1-10 cm thick. Light grey chert typically alternates with the massive magnetite beds with lesser amounts of chert-magnetite, siderite, green minnesotaite, jasper and mudstone. Typically siderite, minnesotaite and mudstone beds are associated with the lower grade (IF-F) end of the iron formation while jasper is associated with the higher grade (IF-E) end. The chert beds typically host minor fine grained magnetite grains. Minor fine-grained pyrite and pyrrhotite as a local disseminations is common or concentrated adjacent or along fine chlorite-carbonate fractures and typically associated with the chert, minnesotaite or siderite beds.

Siderite iron formation (IF-H)

This is considered a low-grade iron ore unit, consisting predominantly of alternating beds of chert and siderite. Though siderite iron formation has been mined as an iron ore historically it is currently not considered to be economically viable for mining production. The siderite beds are typically beige to light brown and are fine-grained. The chert beds are typically fine-grained and light grey in colour. Massive magnetite beds constitute less than 20% of the unit and are generally nil to 5% of the unit. Minor ankerite can be associated with the siderite beds. Minor mudstone beds can also alternate with the chert/siderite beds. Minor fine-grained pyrite and fine to medium-grained pyrrhotite as local disseminations occur, often associated with hairline fractures. If found near the top of the hole, the unit can be slightly to moderately oxidized.

Sulphide iron formation (IF-G)

Iron formation with partial to complete replacement of the massive magnetite beds by pyrrhotite-pyrite-chlorite. Massive magnetite beds if evident constitute less than 20% of the unit and are typically nil to 5% of the unit. The replacement pyrrhotite-pyrite-chlorite alternates with light grey, fine-grained chert beds. Local massive pyrrhotite is often directly associated with massive chlorite. The fine to coarse-grained pyrrhotite can become massive over intervals of 20 cm or less. The massive pyrrhotite-chlorite can completely overprint the massive magnetite and chert beds resulting in bedding angles not being apparent. Pyrite is typically not as abundant as the pyrrhotite replacement but can locally dominate often associated with a moderate calcite alteration. The pyrite is typically fine-grained but can appear coarser and euhedral. Minor fine to medium grained chalcopyrite can be rarely observed. The unit weathers easily and if found near the top of the hole the

unit can be moderately to highly oxidized which can result in broken rubble.

Lean chert (SLC)

Light grey chert beds containing less than 15% magnetite. The magnetite may be disseminated and/or in thinly layered massive beds. Minor mudstone and/or siderite beds can also alternate with the chert beds. Minor fine to coarse-grained pyrite and fine to medium-grained pyrrhotite can occur as local disseminations. This unit is associated with the iron formation.

Chert (SC)

Massive, light grey to white, fine grained, chert beds. The chert can contain minor, fine-grained disseminated magnetite. Beds of dark grey, mudstone, pale brown siderite, and/or greenish minnesotaite can alternate with the chert beds. Minor fine to medium-grained pyrite can occur as local disseminations or as narrow stringers controlled by micro-fracturing. Minor fine to medium-grained pyrrhotite can occur as local disseminations. This unit is associated with the iron formation.

Mudstone (SM)

Light greenish, grey to dark grey, fine-grained sedimentary rock with a silty, well sorted texture. It can appear as massive, unaltered beds to fine beds. Minor beds of chert can be observed locally. Minor fine-grained pyrite and/or pyrrhotite are seen locally as disseminations or a fracture-filling. Found predominantly as the bounding unit south of the iron formation.

Greywacke (SG)

Dark grey to pale greenish-grey, fine to medium-grained sedimentary rock, with a silty to sandy texture. Locally contains angular to sub-rounded lithic fragments up to 1 cm in size. Massive unit only fine bedding evident locally. Locally exhibits epidote and carbonate alteration. Found predominantly as the bounding unit south of the iron formation.

Argillite (SAG)

It is a black to dark grey, fine to very fine-grained graphitic sedimentary rock. Typically a soft, silty, well sorted texture. It can appear massive to finely bedded. Locally exhibits alternating layers of black, graphite-rich beds and grey, graphite-poor beds. It has fine-grained pyrite and pyrrhotite locally to 5%. The pyrite often occurs as stringers and nodules up to 1 cm in thickness. Predominantly found as a waste unit in the middle of the iron formation between sections 2100E and 2560E. The unit can be up to 200 m in thickness, but generally 30-50 m thick.

Diabase (IDb)

Dark grey to greenish-grey, equigranular, crystalline textured mafic intrusive rock observed as a dyke cross-cutting predominantly the iron formation units. Fine to medium-grained rock composed of plagioclase, pyroxene, olivine and biotite. It can have chlorite, carbonate

and/or epidote alteration. Contacts with the adjacent lithologies are sharp and the adjacent lithologies can exhibit a contact alteration typically as a bleaching within 1 cm to 1 m of the contact. Generally less than 5 m in width though can be up to 60 m.

Diorite (IDd)

Grey to pale greenish-grey, intermediate intrusive rock as a dyke cross-cutting predominantly the iron formation units. Fine to medium-grained rock composed of plagioclase, biotite, hornblende, pyroxene and quartz. Predominantly an equigranular, massive, crystalline texture though local sections can appear porphyritic with coarser plagioclase. It can exhibit carbonate alteration. The contacts with adjacent lithologies are sharp. The dykes are less than 5 m in width.

Komatiite Volcanic (VK)

Dark grey to brownish-green, fine to coarse-grained, ultramafic volcanic rock composed of olivine, pyroxene and plagioclase. Predominantly equigranular and massive though locally can exhibit a slight porphyritic texture with coarser olivine. It can contain fuschite, talc and/or serpentine alteration. Where unit becomes locally fuschitic the alteration will show varying degrees of the typical emerald green colouration. Where talcose the unit becomes soft with a greasy feel with the core locally being highly broken. Minor narrow, bullish, white quartz stringers typically cut the unit. Spinifex texture is rarely observed. Its contacts with adjacent lithologies are sharp. Komatiite is the typical unit bounding the iron formation to the north.

Basalt (VB)

Dark greenish-grey, fine-grained, equigranular and massive mafic volcanic rock composed primarily of plagioclase and pyroxene with lesser amounts of quartz. Chlorite alteration is common with lesser epidote and carbonate alteration. Flow textures are not observed. It is a minor unit in the volcanics north of the iron formation.

Hydrothermal breccia (HBX)

Not a primary lithological unit rather a texture resulting from hydrothermal fluid emplacement. Breccia contains coarse to angular fragments. Edges might be rounded with replacement along the trim. Matrix mostly composed of quartz or carbonates with sulphides.

Tectonic breccia (TBX)

Not a primary lithological unit rather a texture resulting from structural movement or volcanic activity. It contains rounded to angular fragments that are medium to fine size. Matrix is composed of fine-grained milled rock.

Radio Hill Structure

Two main periods of deformation have folded and faulted the Radio Hill iron formation. The earliest period of deformation is related to regional-scale polyphase folding. The later

period of deformation is associated with the development of ductile and brittle-ductile faults (Ayers, 1995). The iron formation is thickened in the vicinity of Radio Hill by folding. The iron formation is folded into an S-fold that plunges moderately (approximately 50°) to the northwest. Additionally, historical mapping and the present diamond drilling indicates many small mafic dikes (diabase and diorite) crosscut the Radio Hill iron formation. The paucity of outcrops makes projecting dykes and faults difficult.

Numerous local scale faults were observed in the core characterized by zones of intense fracturing shearing and brecciation, often associated with ground core intervals. Chlorite and carbonate alteration is typical. Mud gouge, typically chloritic, was observed in a few instances but was not common. Core widths were typically less than 2 m though in drill hole RH-11-02 and RH-11-18 core widths of fault zones were recorded as 17.27 m and 28.15 m respectively. As no core angles were recorded with the logging of these wide structures it was not possible to ascertain the true width of these structural features. On cross-section it was not possible to correlate these local scale faults from section to section. It has been interpreted (Shoemaker, Johnson and Mariani, 2010) that the most prominent strike direction of the faulting in the drilling area of the Radio Hill property is that of approximate north-south cross faulting. As all the drilling was done in either a north or south azimuth along the strike of the interpreted cross-faults such a drill azimuth would make it difficult to establish correlation of such cross-faults along drill sections.

Bedding angles were noted frequently in the iron formations and show a great degree of variation. It was not uncommon to observe bedding angle variations in the order of 40° over lengths of less than 10 m in the core. While indicating the presence of numerous very tight, local scale folds they would also have the effect of masking the more regional, property scale S-folds that are interpreted to thicken the iron formation in the drilling area.

DISCUSSION OF DIAMOND DRILLING

The diamond drilling program employed one diamond drill rig provided by Orbit-Garant Drilling Inc. of Val d'Or Quebec from January 9 to April 15, 2012. Orbit-Garant abandoned the project in mid-April and was replaced by NPLH Drilling of Timmins Ontario, who completed the drilling on May 12. A diamond drilling camp was set up on the Property by Rogue Iron Ore and Orbit-Garant Drilling. This was done due to the high travel time from the nearest rental accommodation to the property (1 to 1.5 hours) and thus diamond drilling would be continuous in the hard iron formation. This naturally increased the cost of drilling.

The holes were drilled as part of a NI 43-101 compliant, technical resource estimate on the Radio Hill Iron deposit (Figure 3). The deposit has a historical resource of 427 million tons grading 27.3% iron. The Radio Hill deposit was developed in the 1960s by Kukatush Mining Corp.

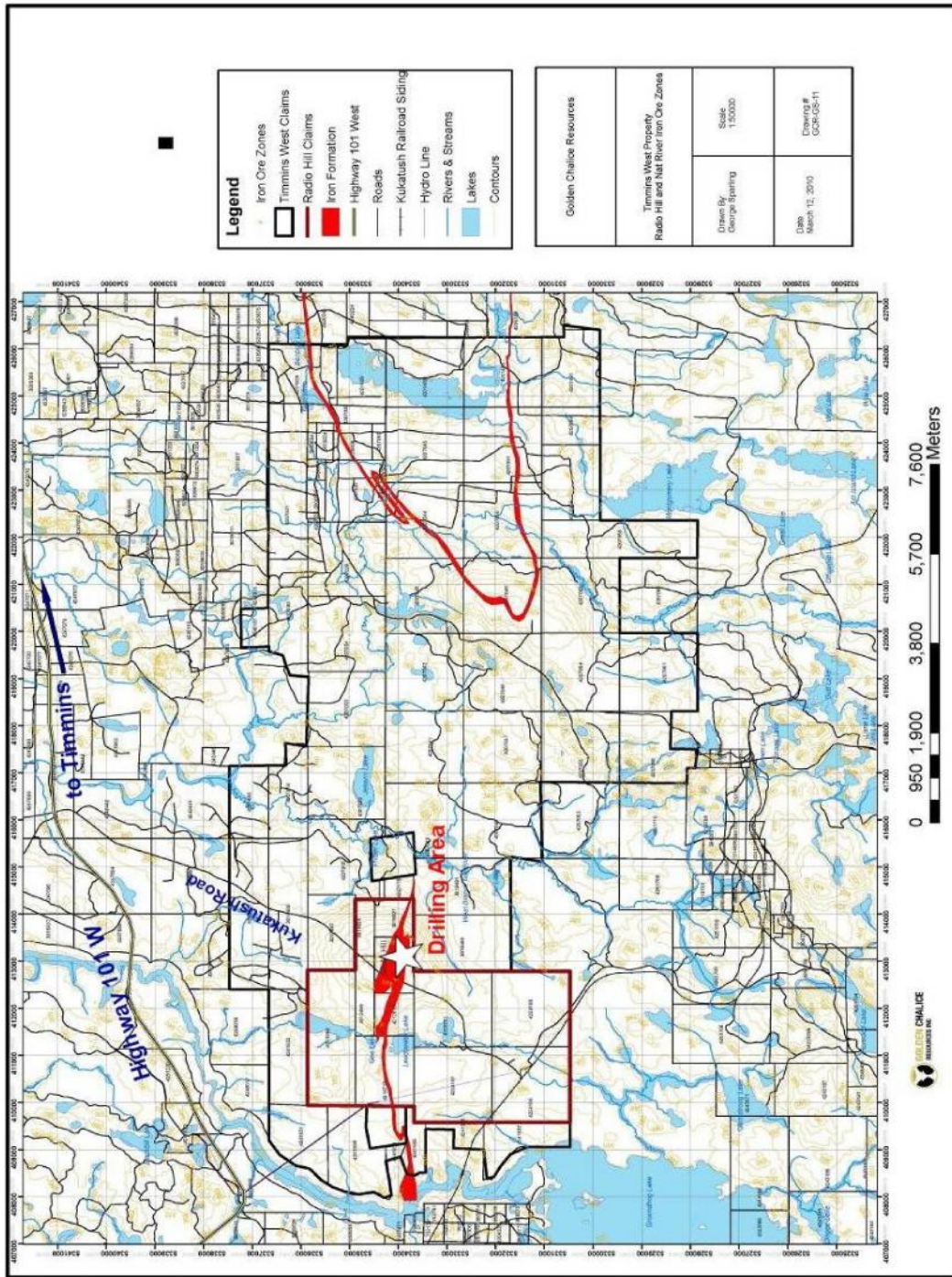


Figure 4 Drilling Location Map

The 2012 drilling program was co-ordinated and managed by the author. Drill core logging and field drill supervision was carried out by Ken Rattee of Kirkland Lake Ontario. The field technical tasks associated with the drilling program were conducted by Doug Bryant of Timmins, Ontario. Core cutting and splitting was completed by George Ross of Timmins, Ontario. The maps and sections of this report were drafted by the author.

The 2012 diamond drilling program consisted of 18 holes totalling 5,023.5 m (Table 2). It was carried out on the following three claims: 3010209, 4212618 and .

The high magnetic intensity of the Radio Hill iron deposit required that drill holes be set up and aligned with an Azimuth Pointing System (APS) rented from Reflex instruments of Timmins Ontario. The Azimuth Pointing System (APS) is a GPS based compass that provides a True North Azimuth measurement and position. Since the APS is not using the earth's magnetic field to determine the azimuth, it is not affected by ferrous anomalies (metal) from the ground or surrounding structures. The APS uses two antennas to calculate an azimuth solution. Orbit drilling and Doug Bryant aligned the drill rig at an azimuth of 180 degrees (due south) employing the APS instrument.

During drilling downhole surveying was conducted utilizing a Reflex EZ-Shot®, an electronic single shot instrument. It accurately measures six parameters in one single shot; azimuth, inclination, magnetic tool face angle, gravity roll angle, magnetic field strength and temperature. Single shot tests were taken 15 m or so below the casing and every 50 m down the drill hole. As a result of the magnetic environment at the Radio Hill deposit the azimuth readings were discarded.

Table 2 Radio Hill 2012 Diamond Drill Holes

Hole	Easting NAD 83	Northing NAD 83	Elv.	Azimuth	Dip	Length (m)	Started	Finished
RH-11-23	412875.4	5333946	439	180	-45	102.4	09/01/2012	10/01/2012
RH-11-24	412875.6	5334356	441.2	180	-45	486.1	10/01/2012	21/01/2012
RH-12-25	412709.7	5333974	435	180	-45	150	23/01/2012	25/01/2012
RH-12-26	412575.4	5334365	436.7	180	-45	447	26/01/2012	06/02/2012
RH-12-27	412577.9	5334463	434.7	180	-55	441	06/02/2012	10/02/2012
RH-12-28	412409.4	5334272	425.5	180	-45	336	11/02/2012	22/02/2012
RH-12-29	412409.2	5334325	425.3	180	-75	468	22/02/2012	05/03/2012
RH-12-30	412324.2	5334349	412.2	180	-45	441	06/03/2012	12/03/2012
RH-12-31	412325.6	5334444	409.9	180	-70	576	12/03/2012	22/03/2012
RH-12-32	412221.8	5334423	406.4	0	-55	111	26/03/2012	27/03/2012
RH-12-33	412221.6	5334423	406.4	180	-65	525	27/03/2012	28/04/2012

RH-12-34	412224.8	5334096	402.9	180	-45	135	28/04/2012	29/04/2012
RH-12-35	412098.1	5334046	398.3	180	-45	75	30/04/2012	30/04/2012
RH-12-36	411951.5	5334097	398.4	180	-45	75	01/05/2012	01/05/2012
RH-12-37	411651.2	5334197	403.9	180	-45	74	01/05/2012	02/05/2012
RH-12-38	411481.4	5334220	385.1	180	-45	170	02/05/2012	03/05/2012
RH-12-39	411498.4	5334499	373.4	180	-45	342	04/05/2012	12/05/2012
RH-12-40	411379.2	5334314	372.1	180	-45	69	03/05/2012	04/05/2012

Logging of the core was carried out at the Rogue Iron Ore Corp office/core facility located in Timmins, Ontario. The drill logs with assay results for the 2012 holes are found in Appendix B. The following geological legend was utilized by the core logging geologists on the project.

Table 3 Radio Hill Property 2011-12 Iron Formation Legend

SLC	Lean Chert	Chert beds containing <15% magnetite/hematite. Magnetite may be disseminated and/or in thinly layered beds. Minerals are fine-grained to aphanitic.
IF-G	Sulphide Iron Formation	Iron formation replacement partly or totally by sulphide minerals. Sulphides comprised of pyrite and/or pyrrhotite in along bedding or forming replacement texture along magnetite bed borders. Might also comprise veins or cross-cutting features.
IF-H	Siderite Iron Formation	Chert comprised of alternating bands of quartz and siderite bands. Siderite is beige to off white in color and softer. Siderite reacts poorly to HCl.
IF-F	Banded Iron Formation	Iron formation containing 15% to 50% magnetite alternating with gray to white chert. Rock is fine-grained to aphanitic.
IF-E	Banded Iron Formation	Iron formation with magnetite >50%. Alternating beds of chert and magnetite of massive magnetite.
SC	Chert	Grayish to white fine-grained to silica rich rock. Massive siliceous beds. Chert might contain certain among of carbonates (Dolomite and/or limestone).

ANALYTICAL TECHNIQUES AND RESULTS

A total of 697 samples of drill core were selected for iron ore analysis by the core logging geologists from holes RH-11-22 to RH12-40.

All selected NQ drill core was split in half by a hydraulic core splitter and a half bagged with the first part of a three-part assay tag bearing a unique identifier number. The other half of the core was stored at the logging facility with the second part of the three part assay tag bearing an identical unique identifier number placed in the core box at the beginning of the sample interval. Records of the sampled intervals and sample numbers were recorded in the computerized drill logs, and the third part of the assay tag was filed. The majority of the drill core samples were 6 m in core length, and ranged from 1.5 to 6 m. The remaining drill core is presently stored at the Rogue Iron Ore Corp office/core Facility in Timmins.

The drill core samples were collected by Manitoulin Transport at the Rogue Iron Ore Corp office/core facility in Timmins and transported securely to the SGS Prep Laboratory in Sudbury. There the drill core samples were crushed and pulverized. Then the pulp samples were shipped to the SGS metallurgical laboratory in Lakefield Ontario, where all the 757 samples selected for iron ore analysis were firstly analyzed by fusion with lithium tetraborate-XRF for SiO₂, Al₂O₃, Fe₂O₃, MgO, CaO, Na₂O, K₂O, TiO₂, P₂O₅, MnO, Cr₂O₃, V₂O₅ and retained moisture (LOI) by multi-temperature. This was followed by Sulphur and sulphide analysis, which involves a 0.2 gram pulp sample being leached with a sodium carbonate (Na₂CO₃) solution to dissolve the soluble sulphate. The solution is filtered and submitted to the ion chromatography operator for analysis of SO₄. The residue from this leach is analyzed by IR instrument for total sulphur and reported as sulphide. In addition, Satmagan Magnetic Fe% and Fe₃O₄ readings were done on each sample. The company inserted systematic duplicates, blanks and standard samples every 30 samples to verify and assure acceptable consistency of analysis.

Table 4 2012 Radio Hill Diamond Drilling Iron Ore Results

Hole	From	To	Core Length (m)	SiO ₂ %	Fe ₂ O ₃ %	Fe ₃ O ₄ %
RH-11-23	54	73.9	19.9	42.65	43.92	20.90
RH-11-24	100.5	408	307.5	48.40	40.06	28.45
RH-11-24	446.3	482	35.7	51.76	33.74	20.16
RH-11-25	NSV					
RH-12-26	12.6	33	20.4	49.03	46.74	31.68
RH-12-26	55.5	429	373.5	51.98	34.25	18.73
RH-12-27	309	441	132	48.75	40.92	27.10
RH-12-28	201	285	84	48.16	39.40	25.64

RH-12-29	2.7	210	207.3	52.41	37.39	21.38
RH-12-29	264	294	30	49.54	37.98	18.72
RH-12-29	360	458.6	98.6	49.50	44.37	32.25
RH-12-30	5	45	40	47.34	41.08	25.27
RH-12-30	288	414	126	49.37	43.58	29.14
RH-12-31	24.4	54.9	30.5	51.48	36.53	19.12
RH-12-31	77.7	559.7	482	50.68	39.91	23.69
RH-12-32	NSV					
RH-12-33	108	126	18	46.93	41.23	23.97
RH-12-33	288	408	120	50.49	39.93	23.22
RH-12-33	444	504	60	51.39	39.05	23.88
RH-12-34	23	79.3	56.3	49.63	43.41	29.12
RH-12-35	no sampling stratigraphic test holes					
RH-12-36	no sampling stratigraphic test holes					
RH-12-37	no sampling stratigraphic test holes					
RH-12-38	no sampling stratigraphic test holes					
RH-12-39	126.5	139.9	13.4	48.64	43.17	26.28
RH-12-39	264	282	18	46.72	42.07	16.75
RH-12-39	315	324	9	44.07	45.20	20.30
RH-12-40	NSV					

All official laboratory certificates for assaying conducted on the drill core of the 2012 diamond drilling program are found in Appendix C.

CONCLUSION AND RECOMMENDATIONS

The 2012 diamond drill holes (see above) intersected significant lengths of iron formation in the Radio Hill iron deposit. Both F and E type iron formation were cut and these types were the bulk of the historical iron resource estimation on the Radio Hill iron deposit.

The 2012 diamond drilling program intersected significant iron ore results such as 28.45% total iron (Fe₃O₄) over 307.5 m from hole RH-11-24, 32.25% total iron (Fe₃O₄) over 98.6 m from hole RH-12-29, and 29.14% total iron (Fe₃O₄) over 126 m from hole RH-12-30. These results along with the 2011 results are sufficiently encouraging for conducting a 43-101 compliant resource estimate on the Radio Hill iron deposit. The 2011-2012 diamond drilling program totalling 40 holes (9,405 m) is sufficient to conduct 43-101 resource estimation.

It is recommended that a 3D model of the current drilling and historical drilling be constructed so as to ascertain where further drilling be conducted to increase tonnage of the deposit. Prior to a 43-101 resource estimation, it is recommended that iron liberation metallurgical work be completed on composites of the drill core from the program. This metallurgical work, along with a 43-101 compliant resource estimate, will be important in determining the economic viability of the Radio Hill iron deposit.

Expenditures for the 2012 diamond drilling program totalled \$1,098,814 (see Appendix A).

REFERENCES

Ayer, J.A.

1995 Precambrian geology, northern Swayze greenstone belt; Ontario Geological Survey, Report 297, 57p.

Hartley, C.

2008 Report on Diamond Drilling for Golden Chalice Resources on the Timmins West Project, Porcupine Mining Division, Northeastern Ontario.

Montgomery, K. and Sparling, G.

2008 Report of Geological mapping and mechanical stripping on Golden Chalice Resources, Radio Hill Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario

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2011 Report of drill hole RH10-01, Rogue Resources, Radio Hill Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario.

Montgomery, K.

2011b Initial 2011 diamond drilling report on the Radio Hill Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario for Rogue Iron Ore..

Montgomery, K.

2012 Final 2011 diamond drilling report on the Radio Hill Property, Timmins West Project, Porcupine Mining Division, Northeastern Ontario for Rogue Iron Ore.

Shoemaker Jr., S. J. Johnson R., Mariani R.,

2010 Technical Report on The Radio Hill Iron Property Timmins Area, Ontario, Canada, Golden Chalice Resources Inc., Figure 11-1

CERTIFICATE OF QUALIFICATIONS

I, J. Kevin Montgomery, of the City of Timmins, Province of Ontario, do hereby certify that:

- (1) I am a professional Consulting Geologist, residing at 1190 Lozanne Crescent, Timmins Ontario, P4P 1E8.
- (2) I hold a B.Sc. Honours degree in Geological Sciences (1984) from Queen's University of Kingston, Ontario and a M.Sc.(App.) in Mineral Exploration (1987) from McGill University at Montreal, Quebec.
- (3) I am a registered professional geoscientist with the Association of Professional Geoscientists of Ontario.
- (4) This report is based on my supervision of the diamond drilling program on the Radio Hill Property in 2012.
- (5) I have no personal interest in the property covered by this report.
- (6) Permission is granted for the use of this report, in whole or in part, for assessment and qualification requirements but not for advertising purposes.

Dated at Timmins, Ontario
This 30th day of May, 2013.

J. Kevin Montgomery, P.Geo., M.Sc. (App.)

APPENDIX A CERTIFICATE OF EXPENDITURES

Rogue Resources Inc.
Radio Hill Property
Porcupine Mining Division
Diamond Drilling Program
Expenditures Summary January 1, 2012 to May 30, 2013

Geologists	\$ 73,306.76
Senior Field Technician	\$ 45,129.38
Core Drilling	\$ 797,351.02
Travel & Accommodation	\$ 12,444.59
Field Supplies (includes Truck Fuel)	\$ 31,268.66
Core Splitting Technician	\$ 28,500.00
Transportation of samples to the lab	\$ 2,576.47
Lab analysis	\$ 104,564.64
Report Writing & Drafting of Maps	\$ 3,672.50

TOTAL \$ 1,098,814

Distribution of Expenditures per Claim

Claim 3010209 3,447.5 m drilled on claim (68.6%)	\$753,786
Claim 4212618 1,507 m drilled on claim (30%)	\$329,644
Claim 4214719 69 m drilled on claim (1.4%)	\$ 15,384

Certified by:

J Kevin Montgomery

Date: May 30, 2013

Note: This certificate has been constructed from the invoices submitted to Rogue Iron Ore.

APPENDIX B DRILL HOLE LOGS

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Hole: RH-11-23

Easting: 412875.40	Northing: 5333946.40	Elevation: 439.00
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 102.40 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 09/01/2012	Finished:	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
22.00	175.90	0.00	-46.80	EZ Shot	
100.00	171.50	0.00	-46.60	EZ Shot	

50.00	182.90	0.00	-46.80	EZ Shot	
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End of Deviations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	12.00	OVB																		
0	12.00	54.00	IF-H - banded siderite-chert with 30% interbedded chert layers, banded pale brown to dark grey, initially highly oxidized to 18.0, finely banded throughout generally @45-55, overall <2% py becomes highly conc locally in highly oxidized interval 12.0- 18.0, vfg, abundant irregular, hairline chl fract's, chert dominates between 34.0-42.0	105094	12.00	14.80	2.80	60.50	4.04	22.70	1.82	0.16	0.01	0.98	0.21	0.06	0.05	0.01	0.01	0.01	0.20
1	13.20	17.90	OXI - highly oxidized with abundant ground core throughout interval, with core highly ground between 14.1-14.7 & 17.4-17.6, no evidence of significant structure grinding results from oxidized nature of interval																		
2	14.80	15.10	IF-E - IF-H as described above, 10% fg to mg py highly conc along fract's, euhedral to subhedral py	14455	14.80	15.10	0.30	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
				105095	15.10	18.00	2.90	82.00	2.19	11.00	0.77	0.05	0.01	0.43	0.10	0.02	0.01	0.02	0.01	0.51	
				105096	18.00	24.00	6.00	41.80	0.13	35.70	2.78	0.67	0.01	0.04	0.01	0.09	0.10	0.01	0.01	0.03	
				105097	24.00	29.70	5.70	46.00	0.11	32.80	3.07	0.32	0.01	0.01	0.01	0.02	0.14	0.01	0.01	0.03	
2	26.00	26.20	IF-H - ground core, no evidence of significant structure																		
2	27.10	27.80	IF-H - ground core, no evidence of significant structure																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
2	30.60	31.40	IF-H - ground & broken core, no evidence of significant structure	105098	29.70	34.20	4.50	40.30	2.33	35.70	2.52	0.18	0.01	0.19	0.11	0.02	0.21	0.01	0.01	8.39	
1	32.70	34.20	IF-G - Massive Sulphide Interval - 33% fg to mg py, appears as a secondary replacement of discrete beds, highly fractured with open vugs, where bedding evident tight folds also evident, ASSAY for AU, ground very incompetent due to fractures and vugs with abundant ground core																		
1	34.00	42.00	IF-H - chert-rich interval with 65% chert - 30% siderite																		
2	34.20	34.80	IF-H - IF-H remains highly fract'd with 10% fg to mg py as fracture-filling & replacement with a 1 cm py band @34.8 @25	105091	34.20	40.70	6.50	55.00	0.69	26.80	2.25	0.21	0.02	0.02	0.04	0.03	0.25	0.01	0.01	2.89	
1	36.70	37.10	IF-G - local pyritized interval with 15% fg to mg py as fract-filling and replacement																		
1	46.70	47.10	IF-E - localized IFE, 60% mag as bands generally @50, banded	105092 105093	40.70 46.70	46.70 51.00	6.00 4.30	46.30 38.80	0.70 0.22	32.80 43.40	2.83 2.17	0.35 0.48	0.01 0.02	0.02 0.01	0.04 0.01	0.04 0.07	0.14 0.06	0.01 0.01	0.01 0.01	0.09 0.06	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
1	50.20	50.80	mag-chert with mag dominating, dark grey, minor siderite in tight fract's, minor carb fract's concordant to banding IF-F - localized IFF interval, banded dark grey mag - grey chert, 20% mag - 50% chert - 10% siderite, 1% vfg py disseminated within mag bands, banding generally @45, minor carb-chl fract's																		
1	50.80	54.00	IF-H - siderite rich interval exhibits moderate oxidation throughout, 50% siderite - 40% chert	105099	51.00	54.00	3.00	52.40	0.02	29.40	2.48	0.35	0.01	0.01	0.01	0.08	0.13	0.02	0.01	0.03	
0	54.00	73.90	IF-F - banded dark grey - pale brownish-grey, 20% mag - 50% chert - 15% siderite, 5% jasper beds between 66.0-71.0, local tight folding evident, minor carb-chl fracturing becoming prominent locally resulting in a bx appearance, locally strongly oxidized, 2% py locally conc along fract's	105100	54.00	60.00	6.00	41.50	0.17	42.80	1.83	0.35	0.01	0.01	0.01	0.07	0.04	0.03	0.01	0.00	
2	55.60	55.90	IF-F - ground core, no evidence of significant structure																		
1	58.00	59.60	IF-H - local IFH interval, with 25% irregular siderite vns with chert dominating, no mag bands in this interval, pale brown, highly oxidized between 59.4-59.6, banded where not oxidized																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	62.00	63.00	IF-H - local IFH interval, with 35% siderite bands with chert dominating, pale brown to grey, 1% fg py conc along fract's with a 1cm py strgr @62.4 @45	105101	60.00	66.00	6.00	42.80	0.19	42.00	1.83	0.35	0.04	0.02	0.03	0.08	0.04	0.01	0.01	0.01	0.27
2	66.30	71.30	IF-F - red jasper replaces chert interbedding the mag layers, 45% jasper - 10% chert - 35% mag, well banded, 1% fg py conc along fract's	105102	66.00	69.00	3.00	42.60	0.05	47.60	1.33	0.37	0.01	0.01	0.01	0.10	0.03	0.01	0.01	0.01	0.33
				105103	69.00	73.90	4.90	43.90	0.10	45.40	1.41	0.27	0.01	0.01	0.01	0.07	0.04	0.02	0.01	0.01	0.12
0	73.90	82.10	IF-H - pale brown to grey, fract'd, 30% siderite - 50% chert, banded though typically disrupted by folding and fracturing, bx and boudinaged locally, abundant chl-carb fract's throughout, highly oxidized between 77.4-80.2 with numerous vugs casuing core to become very incompetent, tr py	105105	73.90	78.00	4.10	42.00	0.19	37.00	2.32	0.54	0.01	0.01	0.02	0.08	0.06	0.01	0.01	0.01	0.06
				105106	78.00	82.10	4.10	51.90	0.49	35.00	1.35	0.22	0.02	0.01	0.02	0.08	0.04	0.01	0.01	0.01	0.00
0	82.10	95.20	IF-F - grey to pale grey, banded mag-chert, 20% mag - 60% chert, locally grades into a SLC with mag <15%, banding typically disrupted by folding and fracturing, local boudinaged sections indicative of dilational stresses, fg, locally oxidized generally, abundant chl-carb fracturing throughout, tr py locally conc along fract's, banding generally @40-50, only minor siderite	105107	82.10	86.60	4.50	46.50	0.52	37.10	1.70	0.51	0.01	0.01	0.02	0.11	0.12	0.01	0.01	0.01	0.54
2	83.50	84.00	IF-F																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
			- ground core, no evidence of significant structure																	
1	84.60	86.60	SLC - local section where mag layers < 15%, 5% mag - 70% chert, well fract'd with chl-carb filling, 1% py locally conc along fract's	105108	86.60	90.00	3.40	55.00	0.11	39.10	0.68	0.48	0.01	0.01	0.01	0.09	0.07	0.02	0.01	0.10
				105109	90.00	95.20	5.20	53.60	0.30	36.60	0.96	0.22	0.01	0.01	0.01	0.08	0.09	0.01	0.01	0.10
1	93.70	95.20	IF-H - ocal IFH interval, with 45% siderite - 40% chert, grey to oxidized brown, moderately oxidized throughout conc along fract's, vugs throughout due to oxidation, contact with IDB lost in ground core																	
0	95.20	101.00	IDB - massive, grey, mg, homogeneous in appearance, plag-px-biot, oxidized initially to 96.0, trailing contact along a tight chl slip @45																	
0	101.00	102.40	SM - dark grey, vfg, massive with no evidence of bedding, well sorted, 1% py along fract's, with a 15cm chert band @101.5 @45, hole ends in chert beginning @ 102.1																	
2	101.20	101.30	- ground core, no evidence of significant structure																	

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%	%	%	%	%						
12.00	15.00	3.00	0.00	0.00	2.79	0.00	3.52	0.00	0.00	0.00	0.00	0.00	oxidized, OB interface rubble
15.00	18.00	3.00	0.00	0.00	1.35	0.00	1.88	0.00	0.00	0.00	0.00	0.00	oxidized
18.00	21.00	3.00	0.00	0.00	0.75	0.00	2.86	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.60	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	1.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	3.00	0.00	3.70	0.00	0.00	0.00	0.00	0.00	abundant ground core
30.00	33.00	3.00	0.00	0.00	2.45	0.00	3.68	0.00	0.00	0.00	0.00	0.00	abundant ground core
33.00	36.00	3.00	0.00	0.00	1.40	0.00	3.28	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.95	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.50	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.85	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.75	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	1.35	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	1.40	0.00	2.10	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	1.40	0.00	3.30	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.60	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.45	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.40	0.00	3.28	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.30	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	1.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	1.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	1.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	1.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	1.75	0.00	3.29	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.65	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.95	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.55	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	1.40	0.00	2.76	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>tal</i>	<i>Recove</i>	<i>Recovery</i>	<i>Fractures</i>	<i>sacts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
96.00	99.00	3.00	0.00	0.00	1.55	0.00	2.79	0.00	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.75	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 30 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
13.20	17.90	Oxidized		
50.80	54.00	Oxidized		
59.40	59.60	Oxidized		
77.40	80.20	Oxidized		
88.30	91.20	Oxidized		
93.70	96.00	Oxidized		

End of Alterations ; 6 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
12.00	34.00	IF-H			0	0	0	2	50	40	0
14.80	15.10	IF-G			0	0	0	10	0	0	0
32.70	34.20				0	0	0	33	0	0	0
34.00	42.00				0	0	0	2	15	70	0
36.70	37.10				0	0	0	15	5	65	0
42.00	46.70				0	0	0	2	50	40	0
46.70	47.10				55	0	0	0	2	35	0
47.10	50.20				5	0	0	0	30	50	0
50.20	50.80				20	0	0	1	10	50	0
50.80	54.00				0	0	0	0	50	40	0
54.00	58.00				20	0	0	2	15	50	0
58.00	59.60				0	0	0	0	25	65	0
59.60	62.00				20	0	0	2	10	55	0
62.00	63.00				0	0	0	1	35	55	0
63.00	66.30				20	0	0	2	10	55	0
66.30	71.30				35	0	0	1	0	55	0
71.30	73.90				20	0	0	2	10	55	0
73.90	82.10				0	0	0	0	30	50	0
82.10	84.60				20	0	0	0	0	60	0
84.60	86.60				5	0	0	1	0	70	0
86.60	93.70				20	0	0	0	0	65	0
93.70	95.20				0	0	0	0	45	40	0

End of Mineralizations ; 22 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
19.50	45.00	S0	bedding
28.00	55.00	S0	bedding
35.40	50.00	S0	banding
42.80	65.00	S0	banding
44.20	25.00	S1	str chl slip
45.30	55.00	Flt	10 cm mud gouge
49.70	50.00	S0	banding
51.90	30.00	S1	str chl-carb slip in ground core
54.00	50.00	Cnt	IFF - IFH contact in ground core, possible FLT, core angle speculative
64.60	65.00	S0	banding
65.10	0.00	S1	BX, sub-angular mag frags in siderite matrix, over 0.2m
66.20	45.00	Flt	possible FLT with chl mud gouge, core angle speculative
76.80	50.00	S0	banding
82.60	40.00	S0	banding
89.60	50.00	S0	banding
101.00	40.00	Cnt	contact IDB - SM along a tight chl slip @45

End of Structures ; 16 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Hole: RH-11-24

Easting: 412875.60	Northing: 5334355.60	Elevation: 441.20
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 486.10 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 01/10/2012	Finished: 01/21/2012	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
7.00	217.50	0.00	-44.50	EZ Shot	
102.00	182.60	0.00	-42.50	EZ Shot	
201.00	219.10	0.00	-41.00	EZ Shot	
300.00	239.60	0.00	-37.70	EZ Shot	
402.00	250.40	0.00	-34.30	EZ Shot	
486.00	260.00	0.00	-31.70	EZ Shot	

51.00	217.60	0.00	-44.50	EZ Shot	
150.00	246.10	0.00	-42.20	EZ Shot	
250.00	186.00	0.00	-39.60	EZ Shot	
351.00	241.90	0.00	-36.20	EZ Shot	
450.00	221.00	0.00	-33.10	EZ Shot	

End of Deviations ; 11 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	0.00	33.00	OVB																		
0	33.00	38.20	VK - dark grey, soft, talc alt throughout, highly fract'd with carb filling, texture obliterated by talc, appears fg, core highly ground & broken throughout, contact with VB lost in ground core																		
2	33.00	38.20	VK - highly ground & broken core due to talcose alt, possibly a STR FLT																		
0	38.20	43.40	VB - dark greenish-grey, massive, fg to mg, equigranular, predominantly plag-px, minor chl fractures, sharp contact with SC @35																		
0	43.40	48.80	SC - highly fract'd, pale to dark grey, intense fracturing imparts a bx texture locally, minor fract'd siderite (<5%), dominantly chl fracture-filling with abundant PY-PO, 20% PY-PO throughout, appears similar to IF-G however no evidence of mag beds in this interval, sulfides directly associated with chl fractures, 40% chert- 20% sulphides - 20% chl, core highly ground & broken throughout interval, sulphides approach massive sulphide locally, test sample for AU	14456	46.90	48.00	1.10		-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
0	48.80	57.10	VB - highly fract'd, dark grey to bleached pale grey, highly fract'd with abundant chl filling, primary texture somewhat obliterated due to fracturing & bleaching, appears fg to locally mg, appears massive where texture																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	53.70	54.00	evident, abundant ground & broken core throughout interval, no evidenc of significant structure though abundant tight slips throughout and possible FLT's in local highly ground core, 3-5% py-po conc along fract's, VB is speculative, contact with IFH lost in broken core VB - core highly ground, very chloritic --- possible FLT?																		
0	57.10	65.90	IF-H - pale grey to pale brown, highly siliceous with 75% chert-qtz - 15% pale brown siderite, fract'd throughout, fracturing imparts a bx appearance locally and highly disrupts any chert-siderite banding, banding only evident locally @30, tr fg py along fract's, typically weakly mag, trailing contacy lost in ground core	105111 105112	57.10 63.00	63.00 65.90	5.90 2.90	46.20 44.70	1.34 0.88	32.70 34.00	2.06 2.03	0.74 0.49	0.10 0.07	0.06 0.05	0.07 0.05	0.13 0.10	0.16 0.14	0.01 0.01	0.01 0.01	0.36 0.88	
2	64.20	65.90	IF-H - ground & broken core due to str irregular chl fracturing throughout																		
0	65.90	100.50	IDB - dark grey to pale greenish-grey, typically altered, chloritized with abundant irregular chl fract's, only localized fresh sections evident, predominantly plag-px, equigranular, massive, fracturing & alt results in a bx, frag appearance locally, irregular, indistinct contact with IFF due to fracturing & alt																		
2	96.60	97.30	IDB - highly broken & ground																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			core -- possible FLT indicated by chl mud @97.1-97.3																		
0	100.50	133.60	IF-F - banded dark grey mag - pale grey chert, pale green, minnestoitie locally, banding typically disrupted by hairline chl-p-carb fracturing, minor siderite initially (<5%), 20% mag - 60% chert, 1% py as both fracture-filling & mag replacement, fracturing intense locally, banding where evident generally @35	105113	100.50	105.00	4.50	46.50	2.91	34.40	3.46	0.82	0.04	0.48	0.19	0.17	0.11	0.02	0.01	0.01	0.41
1	102.30	103.30	IDB - dark grey, fg, mafic dyke, very homogeneous, uniform in appearance, equigranular, massive, contacts with IFF lost in broken core	105114	105.00	111.00	6.00	47.40	1.71	38.40	3.22	1.94	0.03	0.10	0.10	0.15	0.07	0.01	0.01	0.01	0.16
				105115	111.00	117.00	6.00	52.10	5.76	25.60	4.65	2.85	0.18	0.37	0.36	0.26	0.16	0.02	0.02	0.02	0.59
1	111.80	113.40	IDB - grey, fg, mafic dyke, very homogeneous, uniform in appearance, equigranular, massive, leading contact sharp @55, trailing contact sharp @58																		
1	114.10	115.20	IDB - grey, fg, mafic dyke, very homogeneous, uniform in appearance, equigranular, massive, minor cg py locally conc along fract's leading contact sharp @15, trailing contact sharp @20																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
				105116	117.00	123.00	6.00	46.20	1.95	40.40	3.14	0.70	0.13	0.50	0.10	0.10	0.12	0.01	0.01	0.55	
				105118	123.00	129.00	6.00	53.40	0.47	38.70	2.77	0.29	0.02	0.19	0.01	0.06	0.11	0.01	0.01	0.61	
				105119	129.00	133.60	4.60	47.90	0.53	42.30	2.77	1.05	0.02	0.11	0.03	0.10	0.14	0.01	0.01	0.83	
0	133.60	137.00	IDB - grey, fg to mg, predominantly plag-px, very homogeneous, uniform in appearance, minor irregular carb fract's, leading contact sharp @43, trailing contact sharp @20																		
				105121	137.00	140.00	3.00	56.20	2.04	29.70	2.99	3.16	0.01	0.11	0.12	0.08	0.11	0.02	0.01	0.44	
				105122	140.00	143.40	3.40	49.60	0.62	36.80	2.31	0.37	0.01	0.19	0.03	0.06	0.10	0.01	0.01	6.52	
0	137.00	143.20	IF-F - banded dark grey mag - pale grey-green minnesotaite-chert, minnesotatite dominates over chert, 35% mag - 35% minn - 20% chert, tr fg to mg py locally along fract's, py becomes massive between 142.7-143.2 in local IFG internal with complete replacement by py in this interval, banding typically disrupted by hairline chl-carb fract's and tight folding, banding where evident generally @30, trailing contact @27																		
1	142.70	143.20	IF-G - Massive Sulphide - almost complete replacement by py, 70% mg to fg py																		
				105123	143.40	148.20	4.80	46.00	12.50	15.00	7.64	6.36	1.64	0.16	0.69	0.30	0.13	0.06	0.04	0.03	
0	143.20	148.20	IDB - grey, fg to mg, predominantly plag-px, very homogeneous, uniform in appearance, minor irregular carb fract's, trailing contact sharp @25																		
				105125	148.20	153.00	4.80	59.30	0.25	34.80	2.44	0.68	0.01	0.13	0.01	0.06	0.06	0.01	0.01	0.75	
				105126	153.00	159.00	6.00	46.70	0.80	41.20	2.47	0.30	0.03	0.20	0.04	0.11	0.10	0.01	0.01	4.86	
0	148.20	171.20	IF-F - banded dark grey mag - pale grey-green																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			minnesotaitite-chert, minnesotaitite dominates over chert, 35% mag - 30% minn - 15% chert, 3% fg to mg py-po as replacement and fracture-filling, locally highly conc along fract's, py becomes massive between 157.7-158.1 in local IFG interval with complete replacement by py in this interval, banding locally disrupted by hairline chl-carb fract's and tight folding, banding where evident generally @20-65, trailing contact @38																		
2	154.50	154.70	IF-F - 3 cm highly irregular, po-py-carb strgr @ shallow but highly irregular angle TCA																		
1	157.70	158.10	IF-G - Massive Sulphide - almost complete replacement by py, 70% mg to fg py																		
				105127	159.00	165.00	6.00	49.00	1.04	38.80	2.79	0.51	1.05	0.40	0.05	0.12	0.11	0.01	0.01	0.69	
				105128	165.00	168.00	3.00	50.30	0.73	37.60	2.79	0.85	0.07	0.30	0.04	0.11	0.08	0.01	0.01	0.46	
				105129	168.00	171.20	3.20	48.80	1.20	38.30	2.93	1.43	0.09	0.39	0.06	0.08	0.10	0.01	0.01	0.24	
0	171.20	177.10	IDB - grey, fg to mg, predominantly plag-px, very homogeneous, uniform in appearance, minor irregular carb fract's, local porphyritic texture with coarser px in a plag matrix, trailing contact sharp @40	105130	171.20	176.70	5.50	47.70	12.90	14.90	8.25	3.48	1.93	0.30	0.76	0.41	0.10	0.06	0.03	0.03	
				105131	176.70	179.10	2.40	49.90	5.28	23.70	4.61	5.21	0.99	0.34	0.34	0.37	0.11	0.03	0.01	0.36	
0	177.10	179.10	IF-F - banded dark grey mag - pale grey chert, 40% mag -45% chert, 3% fg to mg py locally highly conc along fract's, minor replacement of mag by py, banding locally disrupted by hairline chl-carb fract's and																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
			tight folding, banding generally @35, trailing contact @38																	
0	179.10	181.60	IDB - grey, fg to mg, predominantly px-plag, porphyritic texture with coarser px in a plag matrix, trailing contact sharp @20, minor hairline to 1cm carb fract's generally @45	105133	179.10	182.10	3.00	47.40	11.60	17.00	6.84	3.68	1.87	0.53	0.66	0.36	0.11	0.04	0.03	1.46
0	181.60	200.70	IF-F - banded dark grey mag - pale grey chert, 30% mag - 55% chert, 2% fg to mg py locally highly conc along fract's, minor replacement of mag by py, banding typically disrupted by hairline chl-carb fract's and tight folding, banding generally @30-45, local bx appearance where intensely fract'd, gradational contact with IFE																	
1	181.90	182.00	IF-G - 13 cm Massive Sulphide Vn @40 - almost complete replacement by py, 70% fg to mg py																	
				105134	182.10	186.00	3.90	47.60	1.37	39.00	2.35	1.14	0.03	0.17	0.07	0.10	0.11	0.01	0.01	1.09
				105135	186.00	192.00	6.00	43.80	0.36	41.20	2.31	1.19	0.04	0.09	0.01	0.09	0.06	0.01	0.01	0.20
				105136	192.00	198.00	6.00	47.00	0.21	44.60	1.66	0.71	0.03	0.06	0.01	0.09	0.05	0.01	0.01	0.18
				105137	198.00	204.00	6.00	44.20	0.19	49.70	1.43	0.59	0.02	0.04	0.01	0.06	0.02	0.01	0.01	0.07
0	200.70	221.40	IF-E - banded dark grey mag-chert, mag dominates, 55% mag - 35% chert, well developed banding with only local sections showing irregular banding due to tight folding, minor hairline predominantly carb fract's generally @65, fracturing not as	105138 105139	204.00 210.00	210.00 216.00	6.00 6.00	48.20 47.10	0.07 0.77	50.00 48.30	0.94 1.60	0.62 0.96	0.01 0.18	0.03 0.08	0.01 0.09	0.10 0.12	0.02 0.03	0.01 0.01	0.01 0.01	0.07 0.05

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
1	215.60	216.40	prominent as previous sections, mag-chert banding generally @30, 1% fg to mg py typically as fracture-filling occasionally as minor mag replacement, gradational contact with IFF IDB - dark brownish-grey, porphyritic texture with coarser px-biot in a fine-grained plag matrix, massive, slightly bleached, leading contact sharp @80, trailing contact @35	105140	216.00	222.00	6.00	45.00	0.72	50.20	1.86	0.82	0.16	0.04	0.05	0.11	0.03	0.01	0.01	0.03
0	221.40	259.40	IF-F - banded dark grey mag - pale grey chert, 35% mag - 55% chert, 3% fg to mg py locally highly conc along fract's, minor replacement of mag by py, banding fairly uniform throughout though local sections highly disrupted by fracturing and local folding, minor hairline carb fract's locally intense, banding generally @30-40, local bx appearance where intensely fract'd, banding generally 0.5-1.0cm thick, minor siderite locally	105142 105143 105144	222.00 228.00 234.00	228.00 234.00 240.00	6.00 6.00 6.00	47.90 48.40 46.80	0.40 0.12 0.08	45.70 46.40 49.70	2.45 1.58 1.20	0.83 0.68 0.51	0.02 0.02 0.01	0.12 0.05 0.04	0.11 0.01 0.01	0.09 0.08 0.12	0.05 0.04 0.03	0.01 0.01 0.01	0.01 0.01 0.01	0.14 0.10 0.60
1	235.00	235.10	IF-G - 11cm Massive Sulphide Vn @40 - almost complete replacement by py, 80% fg to mg py	105145	240.00	246.00	6.00	48.00	0.09	47.10	1.94	0.48	0.01	0.06	0.01	0.08	0.04	0.01	0.01	1.42
1	242.00	242.20	IF-G - 10cm Massive Sulphide Vn @20 - py replacement, 60% fg to mg py																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
				105146	246.00	252.00	6.00	46.90	0.04	51.50	1.36	0.35	0.01	0.02	0.01	0.08	0.02	0.01	0.01	0.16
				105147	252.00	258.00	6.00	45.90	2.41	44.00	2.65	1.89	0.62	0.63	0.17	0.20	0.04	0.02	0.01	0.13
1	252.70	254.20	IF-F - IFF as described above, with 20% brick red jasper banding generally @40, jasper bands typically 0.5-1.0cm thick																	
1	255.40	256.00	IDB - spotted, dark-pale grey, fg to mg plag-px with px slightly coarser grained than plag, slightly porphyritic, massive, minor carb fract's, leading contact sharp @45, trailing contact sharp @55																	
1	256.40	256.60	IDB - spotted, dark-pale grey, fg to mg plag-px with px slightly coarser grained than plag, slightly porphyritic, massive, minor carb fract's, leading contact sharp @35, trailing contact sharp @55																	
0	259.40	260.70	IDB - grey, mg, equigranular, plag-px, 55% plag - 35%px, massive, uniform in appearance, minor carb fract's, leading contact sharp @55, trailing contact sharp @55	105148	258.00	264.00	6.00	44.10	4.16	39.00	3.79	3.00	1.06	0.69	0.26	0.23	0.06	0.02	0.01	0.10
0	260.70	272.10	IF-F - banded dark brownish-grey mag - pale grey chert, 30% mag - 60% chert, 1% fg to mg py primarily as fracture-filling, banding	105149 105150	264.00 270.00	270.00 276.00	6.00 6.00	47.70 50.20	0.19 5.25	50.20 36.10	1.53 2.41	0.68 1.99	0.01 1.12	0.07 0.91	0.01 0.24	0.09 0.16	0.02 0.04	0.01 0.01	0.01 0.01	0.03 0.10

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	272.10	274.60	fairly uniform throughout though local sections disrupted by fracturing, minor hairline carb fract's, banding generally @30-45, banding generally 0.5-1.0cm thick IDB - grey, fg, equigranular, plag-px with minor biot, massive, very homogeneous, uniform in appearance, leading contact sharp @70, trailing contact sharp @55																		
0	274.60	278.70	IF-F - banded dark brownish-grey- greyish-green mag - chert - minn, 30% mag - 50% chert - 10% minn, 3% fg to mg py as fracture-filling & mag replacement, banding fairly uniform, minor hairline carb fract's, banding generally @30, banding generally 0.5-2.0cm thick, gradational contact with IFG	105151	276.00	282.00	6.00	54.40	0.82	34.90	2.64	0.42	0.07	0.20	0.03	0.06	0.23	0.01	0.01	3.14	
0	278.70	287.20	IF-G - grey, chert rich interval with mag bands exhibiting partial replacement by predominantly po with lesser py, fairly fract'd throughout with irregular hairline chl fract's, mag layers where evident typically disrupted by fract's, locally sulphide replacement of mag layers is 100% but typically 25-75% replacement, 65% chert - 10% mag - 15% po - 5% py, gradational contact with IFF	105152	282.00	288.00	6.00	62.20	4.10	22.40	2.76	1.12	0.22	0.30	0.22	0.16	0.16	0.02	0.02	3.77	
1	284.40	284.80	IDD - dark grey, massive, fg, very uniform in appearance, px-hnblde-plag-qtz, leading contact sharp @75, trailing contact sharp @35																		

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	285.70	286.50	IDD - dark grey, massive, fg, very uniform in appearance, px-hnblde-plag-qtz, leading contact sharp @65, trailing contact lost in broken core																		
0	287.20	294.50	IF-F - banded dark brownish-grey mag - pale grey chert, 35% mag - 55% chert - 5% greenish minn, 5% fg to mg py highly conc (50%) in massive sulphide, mag replacement interval 294.2-294.5, banding typically disrupted by tight folding, minor hairline carb fract's, trailing contact with IDD sharp @35,	105153 105154	288.00 294.00	294.00 300.00	6.00 6.00	57.60 54.50	1.53 5.50	30.20 25.20	3.15 3.89	2.01 1.98	0.02 0.44	0.36 0.57	0.08 0.28	0.10 0.21	0.21 0.11	0.01 0.02	0.01 0.01	0.01 0.01	0.18 2.65
0	294.50	296.10	IDD - dark grey, massive, fg, very uniform in appearance, px-hnblde-plag-qtz, trailing contact sharp @65																		
0	296.10	300.10	IF-F - banded dark brownish-grey mag - pale grey chert, fg, 35% mag - 55% chert - 5% greenish minn, 5% fg to mg po-py becomes highly conc in mag replacement intervals @296.2 & 298.0, banding typically disrupted by tight folding, minor hairline carb fract's, trailing contact with IFE gradational																		
1	296.60	297.30	IDB - spotted, dark-pale grey, fg to mg plag-px with px slightly coarser grained than plag, slightly porphyritic, massive, minor carb fract's, leading contact sharp @65, trailing contact lost in broken core																		

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	300.10	303.10	IF-E - banded dark grey mag-chert, mag dominates, 55% mag - 35% chert, banding typically disrupted by tight folding, minor hairline predominantly carb fract's, only tr py in this interval as fracture-filling, banding generally @15, gradational contact with IFF	105155	300.00	306.00	6.00	45.30	0.21	51.90	1.33	0.69	0.03	0.10	0.01	0.08	0.02	0.01	0.01	0.03	
0	303.10	311.30	IF-F - banded dark-brownish-grey mag - grey chert, fg, banding fairly uniform with only local sections exhibiting disruption by tight folding, banding generally @60-65, banding typically 0.5-3.0 cm thick, 35% mag - 55 % chert - 1% py - 1% po, py-po locally conc as fract-filling and local mag replacement, only very minor hairline carb fract's, contact with IDB sharp @70	105157	306.00	312.00	6.00	47.10	1.55	47.10	1.63	1.07	0.57	0.28	0.07	0.13	0.03	0.02	0.01	0.06	
0	311.30	313.30	IDD - dark grey, massive, fg, very uniform in appearance, px-hnblde-plag-qtz, px locally replaced by carb, carb alteration throughout as reacts to HCl, trailing contact sharp @50	105158	312.00	318.00	6.00	48.30	2.43	44.40	1.72	1.25	0.86	0.30	0.12	0.13	0.03	0.02	0.01	0.03	
0	313.30	345.40	IF-F - banded dark-brownish-grey mag - grey chert - red jasper, jasper appears in local sections, fg, banding fairly uniform with only local sections exhibiting disruption by tight folding, banding gnerally @45-65, banding typically 0.5-3.0 cm thick, 35% mag - 55 % chert-jasper - 2% py - 1% po, py-po locally conc as fract-filling and local mag replacement, only very minor hairline																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			carb fract's, local rich IFE intervals																		
1	315.00	321.00	IF-F - red jasper very prominent, predominantly jasper as the mag interbeds, jasper much more abundant than chert in this interval	105159	318.00	324.00	6.00	48.30	1.42	47.10	1.45	0.73	0.47	0.14	0.05	0.10	0.02	0.01	0.01	0.30	
2	323.10	323.11	IF-F - 4 cm py-po strgr @58, 70% py-po replacement																		
1	323.40	323.90	IDB - grey, mg, equigranular, plag- px, massive, homogeneous, uniform in appearance, leading contact sharp @45, trailing contact @45																		
2	329.00	329.02	IF-F - 2 cm py-po strgr @75, 70% py-po replacement	105160	324.00	330.00	6.00	48.70	0.15	47.90	1.54	0.58	0.02	0.04	0.01	0.08	0.02	0.01	0.01	0.23	
1	334.40	335.30	IF-F - red jasper very prominent, predominantly jasper as the mag interbeds, jasper much more abundant than chert in this interval	105161	330.00	336.00	6.00	46.80	0.08	52.20	1.19	0.43	0.01	0.02	0.01	0.10	0.02	0.01	0.01	0.03	
				105162	336.00	342.00	6.00	53.50	0.15	42.10	1.54	0.52	0.02	0.05	0.02	0.08	0.03	0.02	0.01	0.03	
				105163	342.00	348.00	6.00	48.00	0.76	39.80	1.74	1.16	0.04	0.12	0.03	0.09	0.05	0.01	0.01	0.40	
0	345.40	347.80	FZ																		

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	347.60	347.64	- FLT ZONE - ground becomes highly fract'd with abundant chl-carb filling, fracturing imparts a bx appearance with coarse sub-angular to sub-rounded frags, ground well broken 345.8-346.4 with minor grinding, possible 1cm chl seam @345.9 @50 IF-F - 4 cm py-po strgr @63, 50% py-po replacement																		
0	347.80	390.00	IF-F - banded dark-brownish-grey mag - grey chert, green minn prominent initially as a chert alteration rimming mag beds, fg, banding fairly uniform with local sections exhibiting disruption by local intense fracturing & tight folding, banding generally @15-55, banding typically 0.5-4.0 cm thick, 35% mag - 55 % chert - 2% py - 1% po , py locally highly conc as fract-filling and local mag replacement, minor hairline carb fract's @20-50	105164	348.00	354.00	6.00	46.00	0.78	39.90	2.07	0.49	0.07	0.20	0.04	0.09	0.07	0.01	0.01	2.14	
2	350.10	350.20	IF-F - 10 cm py-po strgr @45, 40% py-po replacement																		
2	350.40	350.48	IF-F - 8 cm py-po strgr @58, 70% py-po replacement																		
2	357.60	357.63	IF-F - 3 cm grey qtz - pale brown siderite strgr @52	105165	354.00	360.00	6.00	51.90	0.59	38.20	2.50	0.73	0.07	0.23	0.03	0.08	0.09	0.01	0.01	0.18	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	
2	363.10	363.15	IF-F - 5 cm po strgr @57, 60% fg po replacement	105167	360.00	366.00	6.00	51.60	0.18	42.10	2.14	0.71	0.01	0.09	0.01	0.10	0.05	0.01	0.01	0.01	0.28
				105168	366.00	372.00	6.00	48.30	0.08	47.30	1.90	0.68	0.01	0.05	0.01	0.15	0.04	0.01	0.01	0.01	0.03
				105169	372.00	378.00	6.00	48.80	0.13	45.90	1.96	0.73	0.02	0.07	0.01	0.13	0.03	0.01	0.01	0.01	0.03
				105170	378.00	384.00	6.00	46.80	0.21	46.00	2.02	0.72	0.03	0.09	0.01	0.09	0.05	0.01	0.01	0.01	0.03
				105172	384.00	390.00	6.00	52.00	0.15	41.70	1.93	0.58	0.01	0.08	0.01	0.11	0.03	0.01	0.01	0.01	0.26
2	389.70	390.00	IF-F - 15 cm chert band @25, highly fractured with po fracture-filling highly conc along fract's and contact with mag band																		
0	390.00	410.10	IF-F - banded dark-brownish-grey mag - grey chert, minor green minn prominent as a chert alteration rimming mag beds, fg, banding fairly uniform with local sections exhibiting disruption by local intense fracturing & tight folding, banding generally @60-65, banding typically 0.5-3.0 cm thick, 35% mag - 50 % chert - 1% py - 4% po, po becomes massive locally with almost complete replacement of a mag layer, minor chl-carb hairline fract's locally intense,																		
2	390.00	390.13	IF-F - 13 cm po strgr @57, 80% fg po replacement (mag band)	105173	390.00	396.00	6.00	48.10	0.47	40.40	1.93	0.42	0.04	0.12	0.02	0.10	0.07	0.01	0.01	0.01	2.37
2	393.90	393.94	IF-F - 4 cm po strgr @33, 95%																		

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Lithology and Assays:

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								%	%	%	%	%	%	%	%	%	%	%	%	%
2	394.10	394.19	vfg po replacement IF-F - 9 cm po strgr @40, 80% fg po replacement	105174	396.00	402.00	6.00	47.90	0.87	39.40	2.16	0.71	0.07	0.22	0.07	0.11	0.08	0.01	0.01	1.00
2	396.40	398.20	HBX - highly fract'd bx section, sub-angular mag & chert 0.2-2.0cm frags cemented by chl-carb with abundant po filled fract's to 1cm thick between 398.0-398.2																	
2	398.70	398.72	IF-F - 2.5cm po strgr @78, 70% fg to mg po replacement	105175	402.00	408.00	6.00	46.70	1.75	40.40	2.73	1.03	0.08	0.23	0.09	0.13	0.09	0.01	0.01	0.59
				105176	408.00	414.00	6.00	53.10	1.79	31.40	2.27	0.82	0.09	0.23	0.08	0.07	0.08	0.01	0.01	0.28
0	410.10	439.00	SLC / SG - interbedded pale greyish-green fg SG & pale to dark grey vfg chert, 60% SG - 40% chert, chert bands host minor mag bands (15%), individual beds typically 3-20cm thick, bedding generally @50-65, 7% mag - 20% chert, 1% fg po as hairline fract's, minor irregular chl-carb fractures, SG typically shows a greenish chloritic alteration	105177	414.00	420.00	6.00	45.40	2.73	35.30	2.56	0.76	0.16	0.43	0.14	0.05	0.07	0.01	0.01	0.26
				105178	420.00	426.00	6.00	49.00	4.41	31.10	2.78	1.33	0.11	0.30	0.22	0.08	0.08	0.02	0.01	0.28
				105179	426.00	432.00	6.00	54.80	5.18	28.20	2.31	0.47	0.07	0.21	0.29	0.04	0.10	0.02	0.01	0.60
				105180	432.00	435.00	3.00	52.20	6.27	27.60	2.51	1.94	0.01	0.07	0.27	0.07	0.21	0.01	0.01	0.61
				105181	435.00	439.00	4.00	53.80	7.98	23.10	2.38	2.86	0.02	0.47	0.33	0.07	0.22	0.01	0.01	0.46
0	439.00	446.30	SG - dark grey, fg to mg, well bedded generally @55, well sorted, 2% po as hairline strgr's concordant to bedding, minor irregular carb fract's typically cross-																	

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
			cutting bedding, trailing contact with IF sharp @75																	
0	446.30	482.00	IF-F - banded dark-brownish-grey mag - grey chert, minor green minn prominent as a chert alteration rimming mag beds, fg, banding fairly uniform with local sections exhibiting disruption by local intense fracturing & tight folding, banding generally @45-60, banding typically 0.5-4.0 cm thick, minor local siderite, 30% mag - 55 % chert - 1% py , py as minor local fg fract-filling local conc, minor chl-carb hairline fract's	105183	446.30	450.00	3.70	53.00	3.08	31.00	3.29	1.15	0.02	0.46	0.14	0.07	0.16	0.01	0.01	0.47
1	447.80	448.60	SG - dark grey, interbedded fg to mg, bedding generally @85 though typically fairly massive, well sorted within individual beds, leading contact sharp @72, trailing contact sharp @89																	
				105184	450.00	456.00	6.00	57.60	0.22	33.10	3.40	1.31	0.01	0.10	0.01	0.14	0.09	0.01	0.01	0.11
				105185	456.00	462.00	6.00	53.10	0.22	37.50	3.64	1.45	0.02	0.11	0.01	0.05	0.08	0.01	0.01	0.03
				105186	462.00	468.00	6.00	44.90	1.43	34.00	6.96	4.29	0.28	0.37	0.42	0.19	0.10	0.03	0.01	0.03
1	464.30	465.10	IDD - ark grey, massive, fg, very uniform in appearance, px-hnblde-plag-qtz, px locally replaced by carb, carb alteration throughout as reacts to HCl, leading contact sharp @32, trailing contact lost in broken core																	
1	466.20	466.70	IDB - pale grey, fg-mg, equigranular,																	

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Lithology and Assays:

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								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	466.20	466.30	plag-px, massive, homogeneous, uniform in appearance, both contacts lost in ground & broken core, somewhat bleached - sericite IDB - ground & broken core, no evidence of significant structure																		
2	466.68	466.70	IDB - ground & broken core, no evidence of significant structure																		
1	471.00	471.90	IDB - pale grey, fg-mg, equigranular, plag-px, massive, homogeneous, uniform in appearance, leading contact @55, trailing contact lost in broken core, somewhat bleached - sericite	105187	468.00	474.00	6.00	47.40	3.73	32.70	5.22	3.35	0.56	0.08	0.25	0.14	0.10	0.02	0.01	0.09	
2	472.50	472.60	IDB - ground & broken core, no evidence of significant structure																		
1	473.00	473.50	IDB - pale grey, fg-mg, equigranular, plag-px, massive, homogeneous, uniform in appearance, contacts lost in broken & ground core, somewhat bleached - sericite																		
2	473.50	473.60	IF-F																		

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
			- ground & broken core, no evidence of significant structure																		
				105188	474.00	477.00	3.00	56.90	0.25	33.70	3.18	1.39	0.03	0.13	0.01	0.08	0.06	0.01	0.01	0.01	0.08
				105189	477.00	482.00	5.00	52.60	1.14	33.00	3.34	2.21	0.03	0.13	0.05	0.08	0.09	0.01	0.01	0.01	0.44
0	482.00	485.40	SG - pale brownish-grey, highly fract'd, fg to mg, bleached with sericite replacement, primary texture somewhat obliterated due to fracturing and bleaching, leading contact sharp @52, trailing contact sharp @62																		
0	485.40	486.10	IDB - pale grey, fg-mg, equigranular, plag-px, massive, homogeneous, uniform in appearance, somewhat bleached - sericite																		

End of Lithology and Assays ;

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RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
33.00	36.00	3.00	0.00	0.00	3.00	0.00	4.40	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	2.30	0.00	3.96	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	1.90	0.00	3.62	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	2.70	0.00	3.32	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	2.15	0.00	2.75	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	1.80	0.00	2.72	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	1.70	0.00	1.90	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	2.50	0.00	2.70	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	1.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	1.60	0.00	2.74	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	3.00	0.00	4.70	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.60	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.60	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.60	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.40	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.15	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.40	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	1.20	0.00	3.32	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.25	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	1.10	0.00	3.34	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	1.50	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.35	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.90	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.30	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.85	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.50	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	%ces>100	Calcu	RQP	%ces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%			%								
120.00	123.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.25	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.20	0.00	2.89	0.00	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.20	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.20	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.35	0.00	3.11	0.00	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.10	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.20	0.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
156.00	159.90	3.90	0.00	0.00	0.15	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.10	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.85	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.75	0.00	3.42	0.00	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.55	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.45	0.00	2.92	0.00	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	1.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.05	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
207.00	210.00	3.00	0.00	0.00	0.15	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.30	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.30	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.30	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.05	0.00	2.88	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.05	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.15	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.15	0.00	3.12	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcul</i>	<i>RQPces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				%		%							
294.00	297.00	3.00	0.00	0.00	0.35	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.30	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.05	0.00	2.88	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.20	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.10	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.15	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
342.00	345.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
345.00	348.00	3.00	0.00	0.00	0.85	0.00	3.25	0.00	0.00	0.00	0.00	0.00	
348.00	351.00	3.00	0.00	0.00	0.10	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
351.00	354.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
354.00	357.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
357.00	360.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
360.00	363.00	3.00	0.00	0.00	0.15	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
363.00	366.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
366.00	369.00	3.00	0.00	0.00	0.25	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
369.00	372.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
372.00	375.00	3.00	0.00	0.00	0.10	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
375.00	378.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
378.00	381.00	3.00	0.00	0.00	0.10	0.00	3.12	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talRecover	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
381.00	384.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
384.00	387.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
387.00	390.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
390.00	393.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
393.00	396.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
396.00	399.00	3.00	0.00	0.00	0.25	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
399.00	402.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
402.00	405.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
405.00	408.00	3.00	0.00	0.00	0.10	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
408.00	411.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
411.00	414.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
414.00	417.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
417.00	420.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
420.00	423.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
423.00	426.00	3.00	0.00	0.00	0.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
426.00	429.00	3.00	0.00	0.00	0.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
429.00	432.00	3.00	0.00	0.00	0.20	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
432.00	435.00	3.00	0.00	0.00	0.20	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
435.00	438.00	3.00	0.00	0.00	0.25	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
438.00	441.00	3.00	0.00	0.00	0.10	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
441.00	444.00	3.00	0.00	0.00	0.35	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
444.00	447.00	3.00	0.00	0.00	0.20	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
447.00	450.00	3.00	0.00	0.00	0.10	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
450.00	453.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
453.00	456.00	3.00	0.00	0.00	0.10	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
456.00	459.00	3.00	0.00	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00	0.00	
459.00	462.00	3.00	0.00	0.00	0.05	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
462.00	465.00	3.00	0.00	0.00	0.10	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
465.00	468.00	3.00	0.00	0.00	0.80	0.00	3.11	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>%ces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>tal</i>	<i>Recove</i>	<i>Recovery</i>	<i>Fractures</i>	<i>sacts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
468.00	471.00	3.00	0.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
471.00	474.00	3.00	0.00	0.00	0.60	0.00	0.00	3.32	0.00	0.00	0.00	0.00	0.00	
474.00	477.00	3.00	0.00	0.00	0.10	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
477.00	480.00	3.00	0.00	0.00	0.30	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
480.00	483.00	3.00	0.00	0.00	0.70	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
483.00	486.00	3.00	0.00	0.00	0.65	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 151 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
33.00	38.20	talc		
65.90	68.20	chl		
70.70	74.90	chl		
79.50	85.40	chl		
86.70	88.40	chl		
92.30	96.20	chl		
99.20	100.50	chl		
311.30	313.30	carb		
410.10	439.00	chl		
464.30	465.10	carb		
482.00	486.10	sericite		

End of Alterations ; 11 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
43.40	48.80				0	0	15	5	5	40	0
57.10	65.90				0	0	0	0	15	75	0
100.50	133.60				20	0	0	1	5	60	0
137.00	142.70				35	0	0	0	0	20	0
142.70	143.20				0	0	0	70	0	0	0
143.20	143.40				35	0	0	0	0	20	0
148.20	157.70				35	0	1	2	0	15	0
157.70	158.10				0	0	0	70	0	0	0
158.10	171.20				35	0	1	2	0	15	0
177.70	179.10				40	0	0	3	0	45	0
181.60	200.70				30	0	0	2	0	55	0
200.70	221.40				55	0	0	1	0	35	0
221.40	259.40				35	0	0	3	0	55	0
260.70	272.10				30	0	0	1	0	60	0
274.60	278.70				30	0	0	3	0	50	0
278.70	287.20				10	0	15	5	0	65	0
287.20	294.50				35	0	0	5	0	55	0
294.50	300.20				35	0	3	2	0	55	0
300.20	303.10				55	0	0	0	0	35	0
303.10	311.30				35	0	1	1	0	55	0
313.30	390.00				35	0	1	2	0	55	0
390.00	410.00				35	0	4	1	0	50	0
410.00	439.00				7	0	1	0	0	20	0
446.30	482.00				30	0	0	1	2	55	0

End of Mineralizations ; 24 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
33.20	38.20	Flt	highly ground talcose, possible STR FLT
43.40	35.00	Cnt	VB-SC, sharp
53.90	45.00	Flt	highly ground core 53.7-54.0, possible FLT?
62.80	30.00	S0	banding
87.50	50.00	S1	str chl slip in ground core
97.30	40.00	Flt	chl mud & broken core possibly indicative of FLT - core angle speculative
100.50	25.00	Cnt	IDB - IFF
104.60	35.00	S0	banding
111.80	55.00	Cnt	IFF-IDB
113.40	58.00	Cnt	IDB-IFF
114.10	15.00	Cnt	IFF-IDB
115.20	20.00	Cnt	IDB-IFF
120.40	30.00	S0	banding
123.10	15.00	S1	str chl slip
133.60	43.00	Cnt	IFF-IDB
137.00	20.00	Cnt	IDB-IFF
143.20	27.00	Cnt	IFF-IDB
148.20	25.00	Cnt	IDB-IFF
149.80	20.00	S0	banding
158.50	65.00	S0	banding
171.20	38.00	Cnt	IFF-IDB
178.10	35.00	S0	banding
179.10	38.00	Cnt	IDB-IFF
181.60	20.00	Cnt	IDB-IFF
185.60	45.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
196.70	30.00	S0	banding
212.80	30.00	S0	banding
215.60	80.00	Cnt	IFF-IDB
216.40	35.00	Cnt	IDB-IFF
223.30	0.00	S1	TBX
230.20	30.00	S0	banding
231.90	0.00	S1	TBX
235.20	0.00	S1	TBX
245.80	40.00	S0	banding
255.40	45.00	Cnt	IFF-IDB
256.00	255.00	Cnt	IDB-IFF
256.40	35.00	Cnt	IFF-IDB
256.60	55.00	Cnt	IDB-IFF
259.40	55.00	Cnt	IFF-IDB
260.70	55.00	Cnt	IDB-IFF
262.90	45.00	S0	banding
268.50	0.00	S1	TBX
270.10	30.00	S0	banding
272.10	70.00	Cnt	IFF-IDB
274.60	55.00	Cnt	IDB-IFF
278.00	30.00	S0	banding
284.40	70.00	Cnt	IFG-IDD
284.80	35.00	Cnt	IDD-IFG
285.70	65.00	Cnt	IFG-IDD
294.50	35.00	Cnt	IFF-IDD

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
296.60	65.00	Cnt	IFF-IDB
302.20	15.00	S0	banding
311.30	70.00	Cnt	IFF-IDD
313.30	50.00	Cnt	IDD-IFF
314.70	60.00	S0	banding
323.40	45.00	Cnt	IFF-IDD
323.90	45.00	Cnt	IDD-IFF
329.10	65.00	S0	banding
343.10	45.00	S0	banding
345.90	50.00	Flt	FLT ZONE (345.4-347.8)
353.40	55.00	S0	banding
360.20	45.00	S0	banding
370.10	25.00	S0	banding
375.90	15.00	S0	banding
379.10	63.00	S1	TBX - over 2 cm, subangular - angular frag's generally <0.5cm, chl-carb cement, possible FLT
379.50	15.00	S1	str chl slip @18 - 0.25cm seam
384.50	45.00	S0	banding
392.20	60.00	S0	banding
404.60	65.00	S0	banding
420.20	52.00	S0	bedding
428.80	65.00	S0	bedding
435.60	60.00	S0	bedding
447.80	72.00	Cnt	IFF-SC
448.60	78.00	Cnt	SC-IFF
449.80	60.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
463.30	32.00	Cnt	IFF-IDD
465.10	40.00	S1	str chl slip, 0.25 cm mud seam
465.20	50.00	S0	banding
474.80	45.00	S0	banding
482.00	52.00	Cnt	IFF-SG
485.40	62.00	Cnt	SG-IDB

End of Structures ; 81 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Hole: RH-12-25

Easting: 412709.70	Northing: 5333974.00	Elevation: 435.00
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 150.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: ORBIT
Started: 01/23/2012	Finished: 01/25/2012	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
24.00	328.10	0.00	-46.00		
102.00	190.60	0.00	-43.20		

50.00	180.20	0.00	-45.10		
150.00	184.10	0.00	-42.10		

End of Deviations ; 4 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	6.00	OVB																		
0	6.00	50.07	IF-H - siderite dominates, fg,pale brown to dark grey, predominantly siderite-chert banding with minor mag bands, banding typically disrupted by abundant hairline carb fractures & minor localized tight folding, 45% siderite - 35% chert - 10% mag, to 24m fractures typically hgihly oxidized, banding generally 50-55 though locally flat due to folding, banding typically 0.5-1.0 cm, 1% py conc along fract's and initially typically oxidized, contact with SLC sharply gradational with the decrease in mag bands	105191 105192	6.00 12.00	12.00 18.00	6.00 6.00	36.50 42.70	0.09 0.12	41.90 38.80	1.55 1.33	0.70 0.68	0.01 0.01	0.02 0.04	0.01 0.01	0.10 0.09	0.03 0.03	0.01 0.02	0.01 0.01	0.01 0.01	0.36 0.14
1	16.70	17.10	IF-F - localized dark greyIFF section with 35 % mag - 40% cher - 15% siderite																		
				105193	18.00	24.00	6.00	44.30	4.14	31.90	2.16	1.22	0.67	0.67	0.19	0.19	0.05	0.01	0.01	0.01	0.11
2	18.80	18.90	IF-H - ground & broken core, no evidence of significant structure																		
1	19.60	20.30	IDB - grey, somewhat bleached, massive, fg, equigranular, plag-px, abundant secondary carb as reacts vigourously to HCL, px altered to sericite, contacts lost in broken core																		
1	22.90	23.00	IDB - as described above, secondary carb not as abundant																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
2	24.10	24.20	IF-F - ground & broken core, no evidence of significant structure,	105194	24.00	30.00	6.00	47.30	1.68	32.70	2.04	1.51	0.12	0.21	0.06	0.14	0.03	0.01	0.01	0.01	0.11
1	26.50	27.00	IDB - grey, vfg almost aphanitic, plag-px?, massive, equigranular, some sericite replacement, secondary carb as reacts vigouroously to HCl, leading contact sharp @65, trailing contact lost in broken core	105195	30.00	36.00	6.00	38.70	0.04	40.00	1.54	0.83	0.01	0.01	0.01	0.09	0.01	0.01	0.01	0.01	0.03
				105196	36.00	42.00	6.00	36.80	0.07	41.50	1.55	0.79	0.01	0.02	0.01	0.10	0.02	0.01	0.01	0.01	0.17
				105197	42.00	45.00	3.00	39.40	0.14	39.00	1.65	0.47	0.01	0.02	0.01	0.09	0.05	0.01	0.01	0.01	0.17
0	50.70	55.70	SLC - pale brownish-grey, fg, highly fract'd with abundant irregular predominantly hairline chl filled fract's, mag depleted in this interval with 5% mag bands highly disrupted typically appearing as subrounded frags to 4cm in size, abundant siderite throughout as highly disrupted bands, 5% mag - 60% chert - 20% siderite - 3% py, py highly conc between 51.0-51.3 in a local IFG interval (see below), banding generally @42, gradational contact with SC		45.00	50.70	5.70	42.00	0.10	39.80	1.51	0.56				0.09	0.06	0.01			0.26
1	51.00	51.30	IF-G - local highly fract'd IFG, 25% fg py conc along fract's, locally massive, predominantly chert-																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	52.70	52.80	siderite in this short section SLC - highly ground core, no evidence of significant structure																		
0	55.70	62.40	SC - pale grey, highly silicified, highly fract'd with abundant irregular hairline chl-filled fract's, intense fracturing results in local coarsely bx sections, mafic interbeds exhibit almost complete chl replacement, banding generally @45, 1% py as fracture-filling, locally highly conc, trailing contact with SM sharp @38, 70% chert - 5% siderite																		
0	62.40	67.90	SM - dark grey, fg, well sorted, typically finely bedded throughout generally @35, abundant hairline white carb fractures typically concordant with bedding, minor siderite as fract-filling, 1% py as fract-filling locally conc, trailing contact with IDB sharp @47																		
0	67.90	70.40	IDB - pale grey, bleached, seritized, mg to fg, plag-px, primary texture fairly obliterated due to sericite replacement, appears massive and featureless, trailing contact with SM @47																		
0	70.40	79.50	SM - dark grey, fg, well sorted, typically finely bedded throughout generally @45, minor hairline white carb fractures typically concordant with bedding, minor siderite as																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
2	71.40	71.60	fract-filling, 1% fg as fract-filling locally conc, trailing contact sharp @53 IDB - highly ground core, no evidence of significant structure																		
0	79.40	141.80	SG - pale grey, fg to locally mg, fairly well sorted, fairly massive with only local bedding evident generally @40-60, lithic frags to 1cm evident locally, minor irregular carb-chl fract's throughout, unit fairly uniform in appearance throughout																		
2	103.10	103.40	SG - SG becomes highly fractured and highly seritized, bleached pale brown, carb strgrs to 2cm, fracturing and carb strgrs @43, possible healed FLT?																		
2	140.50	140.80	SG - SG becomes highly fract'd and bleached with secondary sericite, 30% bull qtz-carb fract-filling, fracturing generally @42																		
0	141.80	145.20	IDB - grey, fresh, plag-px with minor biot, massive, equigranular, crystalline, homogeneous in appearance, leading contact sharp @42, trailing contact lost in ground & broken core,																		
2	143.50	143.60	IDB																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
2	145.00	145.20	- ground & broken core, no evidence of significant structure IDB - ground & broken core, evidence of str chl slips in highly chloritized core frags																		
0	145.20	150.00	SG - pale greenish-grey, fg to locally mg, fairly well sorted, fairly massive with only local bedding evident generally @45, minor lithic frags locally, minor irregular crab-chl fract's throughout, unit fairly uniform in appearance throughout																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
6.00	9.00	3.00	0.00	0.00	0.95	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
9.00	12.00	3.00	0.00	0.00	0.65	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
12.00	15.00	3.00	0.00	0.00	0.40	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.40	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	1.50	0.00	3.59	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.55	0.00	3.40	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.60	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.25	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	1.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.20	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.80	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.50	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.70	0.00	3.22	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	1.45	0.00	3.31	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.20	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.45	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.40	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.40	0.00	3.23	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.20	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.40	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.60	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.20	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>CalculRQ</i>	<i>Pces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>sacts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>						
93.00	96.00	3.00	0.00	0.00	0.05	0.00	3.29	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.20	0.00	2.65	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.20	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.25	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.45	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.15	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.25	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.15	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.85	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.85	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.40	0.00	3.01	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 48 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
19.60	20.30	carb		
26.50	27.00	carb		
67.90	70.40	sericite		

End of Alterations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
6.00	16.70				10	0	0	1	45	35	0
16.70	17.10				35	0	0	0	15	40	0
17.10	50.07				10	0	0	1	45	35	0
50.70	58.70				5	0	0	3	20	60	0
58.70	62.40				0	0	0	0	5	70	0

End of Mineralizations ; 5 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
8.50	55.00	S0	banding
25.50	0.00	S0	banding
26.10	28.00	S1	str chl slip
26.50	65.00	Cnt	IFH-IDB
37.50	55.00	S0	banding
45.50	78.00	S0	banding
57.60	45.00	S0	banding
62.70	40.00	S1	str chl slip @47
67.90	47.00	Cnt	SM - IDB
70.40	47.00	Cnt	IDB - SM
75.80	38.00	S1	str chl clip
79.40	50.00	S1	str chl slip with ground core, calcite vugs with 5cm of slip
79.50	53.00	Cnt	SM-SG
92.50	35.00	Vcc	5cm carb strgr
103.25	43.00	Flt	possible healed FLT in highly fract'd, bleached interval 103.1-103.4
104.20	45.00	S0	bedding
112.80	20.00	VQ	5 cm bull qtz - white carb strgr @20
122.60	45.00	S1	str chl slip
123.50	57.00	S0	bedding
126.40	67.00	S1	str chl-carb slip @67
135.00	40.00	VQ	5 cm bull qtz-carb strgr @20, highly fract'd with abundant chl filling
141.80	42.00	Cnt	SG-IDB
145.10	55.00	S1	str chl slip @55
148.80	50.00	VQ	4 cm bull qtz-carb strgr @50, fract'd with abundant chl filling

End of Structures ; 24 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Hole: RH-12-26

Easting: 412575.40 **Northing:** 5334364.80 **Elevation:** 436.70
AltEasting: 0.00 **AltNorthing:** 0.00 **AltElevation:** 0.00
Azimuth: 180.00 **Dip:** -45.00 **Length:** 447.00 m.
AltAzimuth: 0.00

Hole Type: DDH **Zone:** Radio Hill **Contractor:** ORBIT
Started: 01/26/2012 **Finished:** 02/06/2012 **Logged By:** Ken Rattee

Claim Number: **Cemented:** **Surveyed:** **Casing:**

Township:

Description:

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
9.00	233.50	0.00	-47.70		
100.00	255.60	0.00	-47.50		
200.00	205.80	0.00	-46.80		
300.00	235.70	0.00	-47.90		
402.00	196.10	0.00	-47.60		

50.00	228.90	0.00	-47.50		
150.00	216.90	0.00	-46.90		
250.00	263.00	0.00	-47.60		
350.00	226.10	0.00	-48.00		
444.00	224.30	0.00	-47.30		

End of Deviations ; 10 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	9.00	OVB																		
0	9.00	12.60	SC - pale whitish-grey, 85% chert, fg, locally bedded though typically disrupted by tight folding and abundant carb-chl hairline, bedding generally @50, irregular fract's and gashes, no mag bands evident, locally oxidized along fract's, trailing contact @62, 2% py becomes highly conc and oxidized along fract's,																		
1	12.50	12.52	SC - highly oxidized ground core, probably py seam																		
0	12.60	25.30	IF-E - dark grey, mag rich section, fg, banded mag-chert with banding generally disrupted by irregular, hairline carb-chl fract's, banding generally 0.5-5.0cm @20, somewhat oxidized throughout, local hem alt, 50% mag - 35% chert - 5% hem - 2% py, py as fract-filling locally conc along fract's, core typically broken & locally ground throughout, grades into IFF with decrease in mag content	105200	12.60	18.00	5.40	50.60	0.45	45.90	0.50	0.13	0.09	0.06	0.02	0.06	0.02	0.01	0.01	0.01	0.11
2	13.20	13.50	IF-E - 30 cm sand seam																		
				105201	18.00	24.00	6.00	50.60	0.24	48.50	0.09	0.02	0.03	0.01	0.01	0.07	0.01	0.01	0.01	0.01	0.10
1	18.90	19.40	IF-E - moderate hem alt, partial replacement of individual bands in this interval																		
				105202	24.00	30.00	6.00	47.80	0.22	45.40	1.09	0.23	0.01	0.01	0.01	0.06	0.02	0.01	0.01	0.01	0.44

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	25.30	33.00	IF-F - predominantly dark grey, banded mag-chert with banding locally disrupted by irregular, hairline carb fract's, fracturing locally intense, banding generally @50, 40% mag - 50% chert - 1% py, py as fract-filling locally conc, banding generally 0.5cm - 2.0, slightly oxidized along fract surfaces, trailing contact with SLC gradational	105203	30.00	33.00	3.00	45.50	0.11	47.40	1.33	0.38	0.01	0.01	0.01	0.07	0.03	0.01	0.01	0.01	0.07
0	33.00	55.50	IF-H - pale brown to pale grey, predominantly chert - siderite with only very minor mag evident, typically pale to dark grey chert bands with pale brown siderite bands, typically fairly fract'd with fracturing typically disrupting banding, bands exhibit bx locally, local IFF intervals (<1.0m) where mag >15%, 50% chert - 35% siderite - 5% mag - 2% py overall, py as fracture-filling locally highly conc, banding generally @55-70, trailing contact with IFF gradational	105204	33.00	39.00	6.00	42.70	0.10	39.40	1.87	0.59	0.01	0.02	0.03	0.07	0.04	0.01	0.01	0.01	0.21
1	38.40	38.50	OXI - highly oxidized ground core, probable py strgr																		
				105205	39.00	45.00	6.00	37.60	0.07	40.40	2.10	0.76	0.01	0.01	0.01	0.07	0.03	0.01	0.01	0.01	0.45
				105206	45.00	51.00	6.00	48.10	0.15	32.40	2.22	0.66	0.01	0.01	0.01	0.06	0.09	0.01	0.01	0.01	0.74
				105207	51.00	55.50	4.50	44.20	0.11	35.70	2.16	0.35	0.01	0.01	0.01	0.08	0.07	0.01	0.01	0.01	0.22
1	51.90	52.10	OXI - highly oxidized, probable high py content																		
1	52.90	52.94	OXI - 4 cm highly oxidized band																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
			@45, probable py strgr @50																	
0	55.50	90.70	IF-F	105208	55.50	60.00	4.50	49.90	0.17	38.90	2.21	0.61	0.01	0.04	0.01	0.10	0.05	0.01	0.01	1.25
			- grades into IFF with increase in mag	105209	60.00	66.00	6.00	47.70	0.11	38.90	2.56	1.08	0.01	0.03	0.01	0.08	0.05	0.01	0.01	0.69
			banding, dark to pale grey, 25% mag -	105210	66.00	72.00	6.00	47.20	1.62	36.10	3.01	1.42	0.22	0.04	0.10	0.11	0.08	0.01	0.01	0.56
			60% chert - 5% siderite - 2% py - 1% po,																	
			py & po as highly conc local (massive)																	
			bands & strgr's, banding generally well																	
			preserved @40-60, locally disrupted by																	
			tight folding and minor irregular, hairline																	
			carb fract's, minor siderite decreases with																	
			depth, trailing contact with IDB @42																	
2	69.30	69.70	IF-F																	
			- ground & broken core,																	
			some core frag's highly																	
			oxidized, gc probable																	
			indicative of str slip's																	
				105211	72.00	78.00	6.00	60.00	0.09	30.50	2.09	0.49	0.01	0.04	0.01	0.07	0.09	0.01	0.01	2.43
1	75.84	76.00	IF-F																	
			- 14 cm py Vn @40, 80% fg py -																	
			10 % qtz																	
				105212	78.00	84.00	6.00	51.10	0.11	42.40	2.50	0.74	0.01	0.06	0.01	0.09	0.05	0.01	0.01	1.00
1	83.95	84.00	IF-F																	
			- 5 cm py -po strgr @27, 70% py-																	
			po (po dominates)																	
				105213	84.00	87.00	3.00	51.30	0.16	43.00	2.49	0.75	0.02	0.10	0.01	0.11	0.05	0.01	0.01	0.82
				105214	87.00	90.70	3.70	46.40	0.49	45.00	2.63	1.86	0.02	0.14	0.03	0.13	0.06	0.01	0.01	0.78
0	90.70	93.30	IDB	105215	90.70	96.00	5.30	41.50	3.48	33.80	4.76	5.47	0.02	0.10	0.21	0.14	0.14	0.03	0.01	0.58
			- dark grey, fg, equigranular, crystalline,																	
			plag-px, abundant secondary carb locally																	
			conc, massive, minor irregular, hairline																	
			carb-chl fract's, 3% fg to mg py conc along																	
			fract's, trailing contact with IFF sharp @60																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
0	93.30	96.60	IF-F - banded dark to pale grey, fg, 30% mag - 55% chert - 1% py, py as conc's along hairline carb fract's, banding generally well preserved @40-50, locally disrupted by minor irregular, hairline carb fract's, minor siderite, trailing contact with IFH gradational @42	105216	96.00	101.60	5.60	52.20	0.12	34.40	2.18	1.37	0.01	0.05	0.01	0.12	0.07	0.01	0.01	0.39
0	96.60	102.40	IF-F - pale brown to dark grey, fg, siderite dominates as the mag interbeds, 20% mag - 35% siderite - 30% chert - 3% po, po as local partial replacement of mag bands, banding typically disrupted by intense irregular, hairline fract's, fracturing locally results in bx, banding generally @50																	
1	101.60	102.40	IF-G - local massive sulphide section, 65% fg po - 5% mg, subhedral py, probable mag replacement, 20% chert - 5% mag	105217	101.60	105.00	3.40	41.60	0.43	48.30	2.51	0.72	0.01	0.11	0.02	0.08	0.06	0.01	0.01	6.86
0	102.40	138.40	IF-F - banded pale grey to dark grey, fg, only local sections show disruption from tight folding & hairline, irregular carb-chl fract's, initially chert typically shows a moderate minn replacement often rimming chert beds, banding generally @35-50, 30% mag - 50% chert - 5% minn - 2% py - 1% po, fg-mg py - fg po as fract-filling & local mag replacement	105218 105219	105.00 111.00	111.00 114.10	6.00 3.10	48.10 59.60	0.04 0.32	46.40 30.20	2.84 2.33	0.98 1.44	0.01 0.03	0.04 0.04	0.01 0.02	0.09 0.05	0.05 0.09	0.01 0.01	0.01 0.01	0.18 3.38
1	114.03	114.10	IF-G - 7 cm py-po Vn @30, probable mag replacement, marks contact																	

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
			with IDD																		
1	114.10	115.60	IDD - grey, fg to mg, equigranular, px-plag-biot, somewhat bleached, abundant secondary carb as reacts vigourously to HCl, crystalline, massive, trailing contact sharp @45 along a str chl-carb slip	105220	114.10	120.00	5.90	55.90	3.39	29.10	3.25	2.03	0.77	0.22	0.20	0.14	0.10	0.04	0.01		3.41
1	117.50	118.20	IF-G - abundant po replacement of mag & po-py fracture-filling, becomes massive locally in this section, almost complete replacement of mag by po, fg po - fg-mg py, 40% po - 5% py - 35% chert - 10% chl, fract'd throughout																		
				105221	120.00	126.00	6.00	55.00	1.85	35.30	3.39	1.41	0.46	0.21	0.09	0.09	0.09	0.01	0.01		0.07
				105223	126.00	132.00	6.00	65.60	0.04	29.20	2.59	0.74	0.01	0.04	0.01	0.04	0.09	0.01	0.01		0.06
				105225	132.00	138.00	6.00	51.90	3.11	26.10	4.33	3.61	0.64	0.09	0.20	0.12	0.12	0.02	0.01		0.07
1	133.70	135.50	IDD - grey, fg to mg, equigranular, px-plag-biot, somewhat bleached, abundant secondary carb as reacts vigourously to HCl, crystalline, massive, leading contact sharp @57, trailing contact lost in broken core																		
0	138.40	150.30	IF-H - pale brown, fg, highly fract'd, abundant siderite replacement, highly fract'd with	105227	138.00	144.00	6.00	52.10	2.37	23.20	3.30	4.51	0.31	0.05	0.11	0.14	0.11	0.01	0.01		0.45

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	141.70	142.10	abundant highly irregular, hairline carb fract's, fracturing results in finely bx appearance locally, mag bands predominantly finely bx, 10% mag - 40% chert- 35% siderite - 3% py, fg-cg py as fracture-filling, primary banded texture fairly obliterated due to fracturing and siderite replacement, contacts with IFF gradational IF-H - ground & broken core, frags somewhat oxidized, highly chloritic, probable Chl FLT @10																		
				105228	144.00	150.00	6.00	41.10	1.39	35.70	2.52	1.74	0.24	0.06	0.08	0.10	0.06	0.01	0.01	0.62	
2	149.90	150.00	IF-H - ground & broken core, no evidence of significant structure																		
				105229	150.00	156.00	6.00	42.10	4.24	30.30	5.01	4.24	0.25	0.36	0.24	0.15	0.09	0.03	0.01	0.58	
0	150.30	154.00	IF-F - banded mag-chert, dark to pale grey, fg, banding fairly well preserved, locally disrupted by abundant irregular, hairline carb-chl fract's and tight local folding, banding generally @50-60, mag bands typically 0.5-2.0 cm thick, 35% mag - 50% chert - 3% siderite - 3% po - 1% py, po-py as mag replacement locally highly conc & as fract-filling, minor siderite conc initially, trailing contact with IDD lost in broken core, local IFE sections (<1.0m)																		
				105230	156.00	162.00	6.00	48.40	3.28	32.80	3.01	3.86	0.08	0.26	0.16	0.12	0.08	0.02	0.01	0.09	
0	154.00	157.00	IDD - grey, fg to mg, equigranular, px-plag,																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	157.00	234.50	somewhat bleached, minor secondary carb as reacts moderately to HCl, minor carb strgrs throughout, crystalline, massive, trailing contact lost in broken core sharp @45 IF-F - banded mag-chert, dark to pale grey, fg, banding fairly well preserved, locally disrupted by abundant irregular, hairline carb-chl fract's and tight local folding, banding generally @25-60, mag bands typically 0.5-2.0 cm thick, 35% mag - 50% chert - 3% siderite - 3% po - 1% py, po-py as mag replacement locally highly conc & as fract-filling, minor siderite conc initially, trailing contact with IDD lost in broken core, local IFE sections (<1.0m), minor minn locally replacing chert often rimming chert beds																		
1	157.00	158.30	IF-E - local IFE section with 55% mag - 35% chert, tr py																		
1	160.30	160.37	IF-F - 7 cm po-py strgr @45, 60% po - 5% py, po as mag replacement, py as fract-filling																		
				105231	162.00	168.00	6.00	46.80	0.12	45.70	1.84	1.00	0.01	0.07	0.01	0.11	0.02	0.01	0.01	0.39	
				105232	168.00	174.00	6.00	45.30	5.27	33.30	4.38	4.47	0.03	0.51	0.29	0.18	0.09	0.02	0.02	0.07	
1	170.10	173.10	IDD - grey, fg to mg, equigranular, px-plag, somewhat bleached, abundant secondary carb as reacts vigourously to HCl, minor carb strgrs throughout,																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			crystalline, massive, leading contact sharp @42, trailing contact lost in broken core sharp @45																		
				105233	174.00	180.00	6.00	53.00	1.06	37.80	1.86	0.87	0.11	0.41	0.04	0.14	0.05	0.01	0.01	0.01	0.70
				105234	180.00	186.00	6.00	48.60	2.13	37.70	2.94	2.01	0.07	0.33	0.12	0.21	0.06	0.01	0.01	0.01	0.36
				105235	186.00	192.00	6.00	55.00	0.45	36.50	2.08	1.25	0.03	0.21	0.03	0.13	0.06	0.02	0.01	0.01	0.22
				105236	192.00	198.00	6.00	55.10	1.07	34.00	2.91	1.67	0.02	0.21	0.06	0.17	0.09	0.01	0.01	0.01	0.22
2	194.80	195.30	IF-F - ground & broken core, no evidence of significant structure																		
1	197.00	214.00	IF-F - IFF as described in interval beginning @157.0. mag banding more abundant, 45% mag - 45% chert - 4% po - 1% py	105237	198.00	204.00	6.00	48.80	1.94	38.30	3.22	1.86	0.09	0.30	0.08	0.28	0.09	0.01	0.01	0.01	1.85
				105238	204.00	210.00	6.00	48.40	1.35	38.20	3.52	1.98	0.03	0.17	0.08	0.32	0.08	0.01	0.01	0.01	0.14
1	206.40	207.20	IF-F - po rich interval, 20% fg po as fracture-filling & mag replacement, 20% mag - 40% chert -20% po - 4% py																		
				105239	210.00	216.00	6.00	43.80	0.77	43.90	3.53	2.33	0.03	0.19	0.04	0.35	0.10	0.01	0.01	0.01	0.16
				105240	216.00	222.00	6.00	52.60	0.47	37.20	2.95	1.62	0.04	0.22	0.01	0.23	0.07	0.02	0.01	0.01	0.16
				105241	222.00	228.00	6.00	54.10	3.17	28.30	4.48	2.82	0.04	0.21	0.21	0.32	0.06	0.03	0.01	0.01	0.49
1	224.60	226.00	IDD - fresh, dark grey, fg, equigranular, massive very homogeneous in appearance, plag-px with minor slightly coarser biot, leading contact																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
			sharp @45, trailing contact sharp @50																	
1	227.10	227.40	IF-F - po rich interval, 10% fg po as fracture-filling & partial mag replacement																	
1	227.60	228.80	IDB - fresh, porphyritic, dark grey, IDB, 10% mg to cg plag in a fg px-plag matrix, massive and homogeneous in appearance, leading contact sharp @27, trailing contact sharp @20	105242	228.00	234.00	6.00	50.90	2.21	32.30	3.93	3.32	0.10	0.33	0.13	0.20	0.10	0.02	0.01	0.45
0	234.50	238.10	IDB - fresh, dark grey, 50-50 mix of a fg, equigranular texture and a porphyritic texture with 10% mg plag in a fg px-plag matrix, massive, homogeneous, featureless appearance where equigranular, leading contact sharp @25, trailing contact sharp @53	105243	234.00	238.10	4.10	50.70	10.50	19.10	7.51	2.79	0.24	0.61	0.67	0.33	0.08	0.06	0.03	0.03
0	238.10	272.50	IF-F - banded dark grey-pale grey, mag-chert, banding fairly well preserved only locally disrupted by hairline, irregular carb-chl fract's & local tight folding, minor chert replacement by green minn locally locally abundant, banding generally @45-60, mag bands typically 1-5cm thick, 40% mag- 50% chert - 2% po - 1% py, po as minor mag replacement & fract-filling locally conc, trailing contact with IFG gradational	105244 105245 105246 105247 105248 105249	238.10 243.00 249.00 255.00 261.00 267.00	243.00 249.00 255.00 261.00 267.00 273.00	4.90 6.00 6.00 6.00 6.00 6.00	50.70 55.00 54.20 61.30 52.70 49.40	0.94 1.41 1.27 0.95 0.72 5.62	34.30 33.40 34.40 30.20 37.60 27.10	2.80 2.83 2.97 2.54 2.76 4.12	2.97 1.50 1.50 1.21 1.45 4.29	0.08 0.11 0.12 0.11 0.08 1.22	0.36 0.51 0.48 0.34 0.29 0.30	0.03 0.06 0.04 0.03 0.02 0.33	0.13 0.14 0.14 0.13 0.23 0.09	0.07 0.06 0.07 0.06 0.05 0.01	0.01 0.02 0.02 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01	0.42 0.34 0.32 0.39 0.74 0.96

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
1	270.40	272.00	IDD - grey, slightly bleached, mg, equigranular, massive, plag-px, px's typically sericitized, homogeneous in appearance, leading contact sharp @45, trailing contact sharp @80																		
0	272.50	281.50	IF-G - abundant po replacement of mag & po-py fracture-filling throughout this interval, fg, banded pale-dark grey, mag-chert, banding locally disrupted & bx by irregular, hairline carb fract's & local tight folding, 15% po - 3% py as partial mag replacement & fract-filling, locally highly conc, 30% mag - 15% po - 3% py - 45% chert, abundant chl replacement in po-rich sections, banding generally @65	105250	273.00	279.00	6.00	58.80	2.11	29.40	2.21	0.89	0.09	0.26	0.08	0.11	0.08	0.01	0.01	2.66	
2	275.50	275.60	IF-G - ground & broken core, highly chloritic core frag's probably indicative of a str chl slip @50 (?)																		
0	281.60	296.60	IF-F - banded mag-chert, fg, pale-dark grey, banding locally disrupted by irregular, hairline chl-carb fract's & tight folding, 30% mag - 55% chert - 3% po, po as local mag replacement and fract-filling, banding 1- 4cm thick @50, gradational contact with IFG as po increases or decreases	105251 105253 105255	279.00 285.00 291.00	285.00 291.00 297.00	6.00 6.00 6.00	53.20 60.70 51.30	1.89 0.93 3.50	33.00 27.90 30.80	2.57 2.17 3.30	0.66 0.82 1.31	0.07 0.09 0.08	0.19 0.31 0.17	0.07 0.02 0.18	0.08 0.03 0.18	0.09 0.08 0.09	0.01 0.01 0.02	0.01 0.01 0.01	3.04 0.52 1.86	
2	292.30	292.60	IF-F - highly fract'd & bleached throughout interval,																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			abundant chl fract-filling, probable Chl FLT @43																		
0	296.60	306.40	IF-G - abundant po replacement of mag & po-py fracture-filling throughout this interval, fg, banded pale-dark grey, mag-chert, banding locally disrupted & bx by irregular, hairline carb fract's & local tight folding, 17% po - 5% py predominantly as partial mag replacement & minor fract-filling, locally highly conc, 30% mag - 15% po - 4% py - 40% chert, abundant chl replacement in po-rich sections, banding generally @60, gradational contact with IFF with decreasing po replacement	105257 105258	297.00 303.00	303.00 309.00	6.00 6.00	40.10 50.20	2.91 1.65	42.50 35.40	2.66 2.48	0.75 0.72	0.05 0.04	0.02 0.10	0.11 0.06	0.19 0.07	0.12 0.08	0.01 0.01	0.01 0.01	6.08 3.80	
0	306.40	329.90	IF-F - banded mag-chert, fg, pale-dark grey, banding fairly well preserved only locally disrupted by irregular, hairline chl-carb fract's & tight folding, 35% mag - 55% chert - 2% po, po as local mag replacement and fract-filling, banding generally 1-4cm thick @50-60	105259	309.00	315.00	6.00	60.80	2.09	26.30	2.46	1.33	0.25	0.23	0.10	0.09	0.07	0.01	0.01	0.76	
1	311.40	311.90	IDD - grey, fg, equigranular, plag-px-hnblde, massive, very homogeneous in appearance, slightly bleached & sericitized, leading contact sharp @53, trailing contact sharp @68																		
1	318.00	319.00	IDD - grey, fg, equigranular, plag-px-hnblde, massive, very homogeneous in appearance,	105260	315.00	321.00	6.00	54.60	4.01	28.80	2.97	1.84	0.78	0.48	0.18	0.15	0.07	0.01	0.01	0.97	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
			slightly bleached & sericitized, leading contact sharp @60, trailing contact sharp @73																	
				105261	321.00	327.00	6.00	49.20	0.30	41.90	3.09	1.31	0.01	0.12	0.01	0.15	0.10	0.01	0.01	0.12
				105262	327.00	333.00	6.00	57.50	6.94	20.80	3.32	2.75	2.18	0.42	0.34	0.28	0.06	0.01	0.01	0.07
0	329.90	333.30	IDD	105263	333.00	339.00	6.00	51.10	1.08	38.30	3.25	1.54	0.23	0.22	0.05	0.15	0.07	0.01	0.01	0.33
			- grey, fg, equigranular, plag-px-hnblde, massive, very homogeneous in appearance, slightly fractured with minor irregular hairline carb fract's, leading contact sharp @60, trailing contact sharp @73																	
0	333.30	383.80	IF-F	105264	339.00	345.00	6.00	55.20	0.28	38.50	2.94	0.91	0.01	0.11	0.02	0.08	0.09	0.01	0.01	0.27
			- banded mag-chert, fg, pale-dark grey, banding fairly well preserved only locally disrupted by irregular, hairline chl-carb fract's & tight folding, 30% mag - 55% chert - 2% po - 1% py, po-py as local mag replacement and fract-filling, banding generally 1-4cm thick @50-60, minor greenish minn as chert replacement typically rimming mag																	
1	344.60	344.70	IF-F																	
			- po becomes conc with 10% fg po as partial mag replacement and fract-filling & 2% fg py as fract-filling																	
				105265	345.00	351.00	6.00	57.90	0.64	35.30	2.47	0.65	0.06	0.22	0.03	0.06	0.07	0.01	0.01	0.49
				105266	351.00	357.00	6.00	53.00	1.76	34.10	2.96	1.60	0.07	0.29	0.09	0.15	0.09	0.01	0.01	0.43
1	356.80	357.20	IDD	105267	357.00	363.00	6.00	49.30	2.67	37.50	2.90	1.20	0.17	0.61	0.11	0.14	0.08	0.01	0.01	0.60
			- grey, fg, equigranular, plag-px- hnblde, massive, very homogeneous, featureless in																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	363.70	364.20	appearance, leading contact sharp @37, trailing contact sharp @52 IDD - grey, fg, equigranular, plag-px-hnblde, massive, very homogeneous, featureless in appearance, leading contact sharp @53, trailing contact sharp @47	105268	363.00	369.00	6.00	48.40	4.97	32.40	4.28	2.77	0.32	0.41	0.29	0.27	0.09	0.02	0.01		0.66
1	364.60	365.40	IDD - grey, fg, equigranular, plag-px-hnblde, massive, very homogeneous, featureless in appearance, leading contact sharp @70, trailing contact sharp @50																		
1	366.90	367.40	IDD - grey, fg, predominantly equigranular with occasional (<5%) slightly coarser subhedral plag, plag-px-hnblde, massive, homogeneous in appearance, minor irregular white carb fract's, leading contact sharp @80, trailing contact sharp @55																		
				105269	369.00	375.00	6.00	54.40	2.53	32.90	3.25	1.78	0.08	0.40	0.16	0.15	0.10	0.01	0.01		0.80
1	375.90	378.00	IDD - grey, fg, equigranular, plag-px-hnblde, massive, very homogeneous in appearance, slightly bleached & sericitized,	105270	375.00	378.00	3.00	54.10	9.37	12.60	6.67	6.24	0.03	0.74	0.67	0.63	0.08	0.03	0.02		0.25

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
			leading contact sharp @25, trailing contact sharp @68																	
0	383.80	387.90	IDC	105271	378.00	383.80	5.80	72.30	1.22	20.60	2.01	1.16	0.03	0.13	0.08	0.07	0.05	0.01	0.01	0.30
			- dark grey, mg, equigranular, plag-px-hnblde, massive, very homogeneous in appearance, leading contact sharp @55, trailing contact sharp @55	105272	383.80	387.90	4.10	45.00	12.30	12.80	8.86	7.22	0.05	0.88	0.92	0.85	0.09	0.05	0.03	0.17
0	387.90	435.20	IF-F	105273	387.90	393.00	5.10	51.10	0.44	38.60	1.56	2.74	0.01	0.11	0.02	0.08	0.06	0.01	0.01	0.76
			- banded mag-chert, fg, pale-dark grey, banding fairly well preserved only locally disrupted by irregular, hairline chl-carb fract's & tight folding, 25% mag - 60% chert - 4% po, po as local mag replacement and fract-filling becomes highly conc over local sections (see below), banding generally 0.5-3cm thick @50-60, minor greenish minn as chert replacement typically rimming mag	105274	393.00	399.00	6.00	55.30	2.48	30.00	3.52	2.67	0.01	0.25	0.18	0.21	0.10	0.01	0.01	0.71
1	393.20	394.40	IDC																	
			- dark grey, fg-mg, equigranular, plag-px-hnblde, massive, very homogeneous in appearance, leading contact sharp @63, trailing contact sharp @45																	
1	399.70	400.10	IF-G	105275	399.00	405.00	6.00	63.80	0.90	26.60	2.16	0.35	0.07	0.26	0.05	0.06	0.14	0.01	0.01	2.44
			- po conc with 40% fg po - 3% fg py, po as partial to complete mag replacement & fract-filling, minor py as fract-filling																	
1	401.70	402.10	IF-G																	
			- po conc with 15% fg po - 1% fg																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
			py, po as partial mag replacement & fract-filling, minor py as fract filling	105276	405.00	411.00	6.00	49.60	0.74	37.30	2.61	1.04	0.03	0.13	0.03	0.06	0.05	0.02	0.01	0.01	0.13
				105277	411.00	417.00	6.00	46.80	0.45	46.70	1.90	0.75	0.03	0.15	0.02	0.09	0.02	0.01	0.01	0.01	0.11
				105278	417.00	423.00	6.00	49.20	0.22	46.20	1.98	0.79	0.01	0.08	0.01	0.10	0.04	0.01	0.01	0.01	0.34
				105279	423.00	429.00	6.00	46.60	0.20	45.60	2.09	0.91	0.01	0.06	0.02	0.08	0.04	0.01	0.01	0.01	0.12
1	428.50	429.20	IF-H - local IFH section, pale brown, highly fract'd with abundant hairline chl fract's generally @57 concordant to banding, primary banded tecture obliterated by fracturing, intense fracturing results in bx locally, po rich with 7% fg po as a fract-filling locally highly conc, only very minor narrow mag bands in this interval	105280	429.00	435.20	6.20	57.70	3.31	28.30	2.48	1.00	0.09	0.27	0.15	0.06	0.09	0.01	0.01	0.01	0.38
1	431.80	431.88	IF-F - local po rich interval with 10% fg po as fract-filling and minor mag replacement																		
1	432.60	432.66	IF-F - local po rich interval with 10% fg po as fract-filling & minor mag replacement																		
0	435.20	447.00	SG - pale grey, fg to locally mg sed, Conglomerate or Volc Agglomerate, 30% sub-angular to sub-rounded, generally 1-5cm poly-lithic clasts, clasts appear sedimentary, matrix supported, fg greywacke matrix, minor irregualr carb-																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
			filled fract's throughout, massive, typically slightly sericitized, leading contact lost in ground & broken core																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	%ces>100	Calcu	RQP	%ces<100	tal	Recove	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%			%									
9.00	12.00	3.00	0.00	0.00	1.15	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12.00	15.00	3.00	0.00	0.00	0.45	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.40	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	1.80	0.00	3.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.65	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	1.50	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.80	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.40	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.40	0.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.35	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.40	0.00	2.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.70	0.00	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.55	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.75	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.30	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.05	0.00	3.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.15	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.70	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.10	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.15	0.00	3.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	%ces>100	Calcu	RQP	%ces<100	tal	Recove	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%			%									
96.00	99.00	3.00	0.00	0.00	0.10	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.05	0.00	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.15	0.00	2.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.25	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.45	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.30	0.00	3.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.15	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.20	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.20	0.00	2.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.65	0.00	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.25	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.75	0.00	2.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.45	0.00	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.15	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.65	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.40	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.15	0.00	2.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.05	0.00	3.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
183.00	186.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.10	0.00	3.23	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.30	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.20	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.15	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.15	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.10	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.20	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.25	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.10	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.35	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.25	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
270.00	273.00	3.00	0.00	0.00	0.45	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.15	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.15	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.20	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.20	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.25	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.25	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.20	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.15	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
342.00	345.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
345.00	348.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
348.00	351.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
351.00	354.00	3.00	0.00	0.00	0.20	0.00	2.85	0.00	0.00	0.00	0.00	0.00	
354.00	357.00	3.00	0.00	0.00	0.20	0.00	3.13	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
357.00	360.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
360.00	363.00	3.00	0.00	0.00	0.20	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
363.00	366.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
366.00	369.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
369.00	372.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
372.00	375.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
375.00	378.00	3.00	0.00	0.00	0.35	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
378.00	381.00	3.00	0.00	0.00	0.10	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
381.00	384.00	3.00	0.00	0.00	0.15	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
384.00	387.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
387.00	390.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
390.00	393.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
393.00	396.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
396.00	399.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
399.00	402.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
402.00	405.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
405.00	408.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
408.00	411.00	3.00	0.00	0.00	0.10	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
411.00	414.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
414.00	417.00	3.00	0.00	0.00	0.10	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
417.00	420.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
420.00	423.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
423.00	426.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
426.00	429.00	3.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
429.00	432.00	3.00	0.00	0.00	0.15	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
432.00	435.00	3.00	0.00	0.00	0.15	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
435.00	438.00	3.00	0.00	0.00	0.45	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
438.00	441.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
441.00	444.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>CalculRQ</i>	<i>Pces<100</i>	<i>talRecove</i>	<i>Recovery</i>	<i>Fracturesacts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				%			%					
444.00	447.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	

End of RQD ; 146 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
12.60	25.30	oxidized		
18.90	19.40	hematite		
38.40	38.50	oxidized		
51.90	52.10	oxidized		
52.90	52.94	oxidized		

End of Alterations ; 5 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
9.00	12.60				0	0	0	2	0	85	0
12.60	25.30				50	5	0	2	0	35	0
25.30	33.00				40	0	0	1	0	50	0
33.00	55.00				5	0	0	2	35	50	0
55.00	90.70				25	0	1	2	5	60	0
93.30	96.60				30	0	0	1	0	55	0
96.60	101.60				20	0	3	0	35	30	0
101.60	102.40				5	0	65	5	0	20	0
102.40	117.50				30	0	1	2	0	50	0
117.50	118.20				0	0	40	5	0	35	0
118.20	138.40				30	0	1	2	0	50	0
138.40	150.30				10	0	0	3	35	40	0
150.30	154.00				35	0	3	1	3	50	0
157.00	197.00				35	0	3	1	3	50	0
197.00	206.40				45	0	4	1	0	45	0
206.40	207.20				20	0	20	4	0	40	0
207.20	214.00				45	0	4	1	0	45	0
214.00	234.50				35	0	3	1	0	50	0
238.10	272.50				40	0	2	1	0	50	0
272.50	281.50				30	0	15	3	0	45	0
281.50	296.60				30	0	3	0	0	55	0
296.60	306.40				30	0	15	4	0	40	0
306.40	329.90				35	0	2	0	0	55	0
333.30	383.80				30	0	2	1	0	55	0
387.90	435.20				25	0	4	0	0	60	0

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
End of Mineralizations ;		25 record(s) printed.									

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
9.50	50.00	S0	bedding
12.60	62.00	Cnt	SC-IFE
25.00	20.00	S0	banding
27.30	50.00	S0	banding
28.20	35.00	S1	str chl slip
36.50	55.00	S0	banding
48.10	19.00	S1	str carb slip, abundant oxidized py fracture-filling
62.60	40.00	S0	banding
70.00	57.00	S1	str chl slip
78.00	60.00	S0	banding
90.70	42.00	Cnt	IFF-IDB
93.30	60.00	Cnt	IDB-IFF
94.50	50.00	S0	banding
99.10	50.00	S0	banding
110.20	0.00	S1	Bx (110.1-110.3)
113.60	47.00	S0	banding
114.10	30.00	Cnt	marks IFF-IDD contact
115.60	45.00	Cnt	along a str chl-carb slip
126.10	35.00	S0	banding
133.70	57.00	Cnt	IFF-IDD
141.90	10.00	Flt	Chl FLT
143.70	23.00	S1	str chl-carb slip
153.30	55.00	S0	banding
157.00	45.00	Cnt	IDD-IFF
160.90	30.00	VQ	5 cm QCV

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
164.70	42.00	S0	banding
170.10	42.00	Cnt	IDD-IFF
174.90	35.00	VQ	6 sm QCV
186.20	55.00	S0	banding
194.70	35.00	S1	str carb-chl slip @35
203.60	55.00	S0	banding
203.60	55.00	S0	banding
212.10	28.00	S0	banding
212.10	28.00	S0	banding
234.50	27.00	Cnt	IFF-IDB
238.10	53.00	Cnt	IDB-IFF
240.30	55.00	S0	banding
252.30	25.00	S0	banding
262.70	70.00	S0	banding
270.40	45.00	Cnt	IFF-IDD
272.00	80.00	Cnt	IDD-IFF
275.50	50.00	S1	str chl slip @50 (?) - in highly ground chloritic core
292.45	292.60	Flt	Chl FLT @43, in highly fract'd & bleached core
305.40	50.00	S0	banding
311.40	55.00	Cnt	IFF-IDD
311.90	55.00	Cnt	IDD-IFF
312.00	55.00	S0	banding
314.90	77.00	S1	str chl slip in highly chloritic ground & broken core
318.00	53.00	Cnt	IFF-IDD
319.00	68.00	Cnt	IDD-IFF

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
326.70	65.00	S0	banding
329.90	60.00	Cnt	IFF-IDD
333.30	73.00	Cnt	IDD-IFF
335.70	65.00	S0	banding
347.40	65.00	S0	banding
356.80	37.00	Cnt	IFF-IDD
357.20	52.00	Cnt	IDD-IFF
357.40	35.00	S1	str chl slip
363.70	53.00	Cnt	IFF-IDD
364.20	47.00	Cnt	IDD-IFF
364.60	70.00	Cnt	IFF-IDD
365.40	50.00	Cnt	IDD-IFF
366.90	80.00	Cnt	IFF-IDD
367.40	55.00	Cnt	IDD-IFF
373.20	65.00	S0	banding
375.90	25.00	Cnt	IFF-IDD
378.00	68.00	Cnt	IDD-IFF
382.90	60.00	S0	banding
383.80	55.00	Cnt	IFF-IDD
387.90	55.00	Cnt	IDD-IFF
388.60	50.00	S0	banding
393.20	63.00	Cnt	IFF-IDD
394.40	45.00	Cnt	IDD-IFF
402.90	55.00	S0	banding
407.20	65.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
417.40	40.00	S0	banding
422.90	58.00	S0	banding
445.80	35.00	Vcc	4cm calcite vn

End of Structures ; 78 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Hole: RH-12-27

Easting: 412577.90	Northing: 5334463.20	Elevation: 434.70
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -55.00	Length: 439.00 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 02/06/2012	Finished:	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
69.00	202.20	0.00	-56.30		
171.00	186.60	0.00	-55.90		
270.00	189.40	0.00	-55.40		

120.00	9.80	0.00	-56.10		
222.00	180.50	0.00	-55.50		
372.00	250.30	0.00	-55.20		

End of Deviations ; 6 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	0.00	54.00	OVB																		
0	54.00	105.20	VK - grey-pale grey, fg to mg, olivine-plag-px, highly fract'd with abundant highly irregular carb-plag filling, fairly soft with local sericite replacement, locally oxidized, local fuschite alt, texture massive and equigranular																		
2	56.90	57.00	VK - highly ground & broken core, core frags have a greasy feel = talc, no evidence og significant structure																		
2	65.30	65.40	VK - ground & broken core, no evidence of significant structure																		
1	68.30	72.00	OXI - patchy oxidation throughout interval, highly oxidized locally over intervals up to 40 cm in width																		
2	68.30	68.80	VK - highly ground & broken core, no evidence of significant structure,																		
1	75.60	76.70	OXI - patchy oxidation throughout interval																		
2	76.10	76.70	VK - ground & broken core, no																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
1	76.80	79.80	evidence of significant structure VQ - white bull QTZ, core highly broken throughout interval, longest core frag = 10cm, frags generally < 3cm, 1.6m of core loss in this interval, QV moderately fract'd with fract's typically oxidized, QV does not appear mineralized, contacts lost in broken core																		
2	81.00	81.40	VK - ground & broken core, no evidence of significant structure																		
2	81.80	82.30	VK - ground & broken core, no evidence of significant structure, minor talc alt																		
1	82.60	83.80	VK - moderatly fuschitic, fract'd with 25% white bull qtz filling generally @42, bright green - white, Green Carb																		
2	91.30	91.70	VK - 40 cm mud seam, appears to be a dilational feature																		
2	92.89	93.00	VK - 10 cm mud seam, appears to be a dilational feature																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S		
								%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0	105.20	112.00	IDD - intermediate dyke, dark grey, fg, locally highly fract'd with abundant bullish qtz-carb-chl fract's, plag-px-hnblde, massive, equigranular, local siderite fract's, 4% mg to +cg py (local py euhedral cubes to 1cm) predominantly conc on fract's, leading contact along a 3cm mud seam @25, trailing contact marked by Flt Zone @27																			
1	106.00	106.60	VQ - 60cm fract'd bullish QV, 10% chl-filled fract's & vugs, QV is not mineralized, leading contact lost in broken core, trailing contact sharp @43																			
1	108.00	108.90	IF-H - local siderite rich interval, chert-siderite with 15% fract'd, IDD strgr's throughout, 50% siderite - 30% chert - 15% IDD, highly fract'd with abundant chl & siderite filling, leading contact sharp lost in broken core, trailing contact sharp @40																			
0	112.00	116.80	FZ - black, highly sheared @25-35, mylonitic, abundant caught-up IDD, fine sub-angular bx locally, somewhat vuggy throughout as a result probably of washed-out calcite fract's, core typically broken and locally ground throughout, marks IDD-IFH contact																			
0	116.80	130.50	IF-H - pale brown-grey, fg, disrupted, highly distorted, fract'd siderite-chert bands,	105281 105283 105285	116.80 120.00 126.00	120.00 126.00 132.00	3.20 6.00 6.00	48.30 48.30 44.90	1.88 0.44 0.72	29.30 32.30 32.90	1.96 1.90 2.80	1.20 0.79 0.42	0.60 0.04 0.06	0.18 0.04 0.02	0.09 0.02 0.03	0.12 0.10 0.10	0.03 0.02 0.07	0.01 0.01 0.01	0.01 0.01 0.01	0.98 0.37 1.95		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			locally silicified with qtz frags and strgrs, 50% siderite - 30% chert - 10% qtz - 3% py, py as fg fract-filling, moderately fract'd with irregular, hairline chl & siderite fract's, primary banded texture fairly obliterated due to fracturing, locally bx due to intense fracturing																		
0	130.50	143.40	IF-G	105286	132.00	135.00	3.00	43.80	0.70	33.30	2.81	0.42	0.06	0.02	0.03	0.11	0.08	0.01	0.01	1.83	
			- pale grey, highly fract'd, sulf-rich with 20% fg to predominanly cg, euهدral py as a fract-filling & siderite replacement, py becomes massive locally as a fg aggregate, minor fg cpy & po, primary banded texture fairly obliterated by intense chl-py filled fracturing throughout, fracturing results in a fine to coarse, sub-angular bx locally, gradational contact with IFH as pyrite content increases or decreases, predominantly chert-siderite with 10% grey qtz strgr's and frags to 3cm, 45% chert-qtz - 25% siderite - 20% py	14457	135.00	136.00	1.00	43.80	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
				105288	136.00	141.00	5.00	43.60	0.39	29.00	5.42	0.32	0.01	0.06	0.03	0.09	0.11	0.01	0.01	5.16	
2	137.60	138.20	IF-G - broken & ground core, no evidence of significant structure																		
0	143.40	148.40	IF-H	105289	141.00	147.00	6.00	53.40	0.12	26.60	3.02	0.31	0.01	0.01	0.01	0.07	0.10	0.01	0.01	3.26	
			- pale brown-grey, fg, disrupted, highly distorted, fract'd siderite-chert bands, 40% siderite - 40% chert - 10% py, py fg to cg as a fracture-filling and local siderite replacement, minor cpy & po, primary texture fairly obliterated, contact with IFG gradational as py content decreases or increases	105290	147.00	153.00	6.00	33.90	4.40	31.30	4.68	2.97	0.76	0.35	0.32	0.19	0.23	0.02	0.01	6.74	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	148.40	154.60	IF-G - pale grey to grey, chert-rich with 60% chert - 10% siderite - 20% py, fg py predominantly as a massive, siderite replacement & minor fract-filling, massive py sections up to 50cm in length, little evidence of banding throughout probably obliterated by py replacement																		
1	149.00	150.90	IDD - grey to locally mottled dark grey-grey, fg to mg, fairly equigranular though locally slightly porphyritic with px's slightly coarser grained than plag, locally somewhat sericitized, massive, leading contact sharp @57, trailing contact sharp @60																		
1	152.90	154.10	VQ - 1.2m QV, pale to dark grey massive qtz, fract'd, fracturing locally results in a fine bx, bullish in appearance, trailing contact sharp @10, trailing contact sharp @ 15	105291	153.00	159.00	6.00	50.40	0.89	31.10	1.85	0.31	0.04	0.16	0.10	0.04	0.11	0.01	0.01	7.81	
0	154.60	161.60	IF-H - pale brown-grey, fg, disrupted, highly distorted, fract'd siderite-qtz bands, 50% siderite - 30% chert - 5% po - 2% py, po-py fg predominantly as a fracture-filling siderite replacement and minor fract-filling, po locally massive between 156.9-157.2, primary texture fairly obliterated, locally intense fracturing results in bx, leading contact with IFG gradational as py content decreases, trailing contact with IFF gradational as mag bands become evident	105292	159.00	162.00	3.00	47.10	0.30	32.90	1.75	0.61	0.03	0.03	0.01	0.07	0.05	0.01	0.01	1.35	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	161.33	161.50	HBX - fine to moderate, angular to sub-angular frags, cemented by qtz with minor py																		
0	161.60	166.10	IF-F - pale brown to dark grey, mag bands highly fract'd and finely bx throughout, primary banded texture obliterated by bx, predominantly siderite cementing mag frags, predominantly siderite as mag interbeds, chert-qtz poor interval, mag frags typically sub-angular, 0.3-1.0 cm in size, 30% mag - 40% siderite - 20% chert - 1% py, mag becomes highly conc in local IFE interval (165.2-166.1), trailing contact with SAG sharp @43	105293	162.00	166.10	4.10	40.60	0.28	42.70	1.45	0.57	0.09	0.01	0.02	0.06	0.01	0.01	0.01	0.01	0.54
1	165.20	166.10	IF-E - local mag rich interval with 55% mag - 15% chert - 15% siderite, tr fine py with fract's, fract'd though bx not as prominent as prior, banding evident @30																		
0	166.10	189.60	SAG - initially fg, pale to dark grey, well sorted, finely bedded generally @ 30-40, initially highly fract'd with fracturing generally concordant to bedding, irregular chl & qtz fract's minor chert beds locally, 2% fg to cg py-po as a fract-filling, locally sand-silt layers interbedded																		
2	172.60	176.90	SAG - highly fract'd with abundant, irregular chl &																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	175.00	175.06	qtz fract's, fracturing obliterates primary texture and imparts a coarse to fine bx locally, becomes bleached pale grey locally, VQ - 6cm QV @25, bullish QV no evidence of mineralization																		
2	175.80	176.00	HBX - 17cm fine bx, fine to medium, angular to sub- angular, highly bleached sed frags																		
0	189.60	268.50	SG - possible lapilli tuff, grey to pale grey, fg to mg, abundant angular to subangular, lithic frag's gives the appearance of a lapilli tuff, frag's generally 0.2-1.0cm in size, primary texture fairly well preserved, primarily maasive with only local evidence of bedding, lithic frags often show a stretching along a preferred direction possibly indicative of a weak shear fabric, generally @45, frag's generally highly sercitized, minor tr py-po with fract's, minor local carb-qtz irregular fract's -- where frags dominate unit appears more like a Lapilli Tuff than sed, trailing contact with SAG sharp @57																		
0	268.50	289.10	SAG - dark grey to black, vfg, well sorted, well bedded, fine black graphitic rich beds interbeds with a grey, graphite poor beds, bedding locally disrupted by tight folding and minor fract's, bedding generally @30-																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	289.10	299.50	55, 4% fg mag po as fract-filling typically concordant to bedding locally abundant, po strgrs often as bedding margins, minor fg py as fract-filling, trailing contact with SC @40 SC - pale greenish-grey to dark grey, 70% greyish chert with 10% greenish minn often conc adj to fract's, 15% dark grey mudstone interbeds, chert-mudstone banding somewhat irregular, chert typically moderately fract'd with abundant irregular carb & chl fract's, fracturing locally imparts a fine to coarse bx, 3% mag fg po locally highly conc as a partial replacement within a mudstone band, trailing contact with IFF sharp @61																		
0	299.50	315.00	IF-F - banded dark-pale grey, fg, chert-mag bands, banding typically disrupted and offset by hairline, irregular chl-carb fract's, minor siderite as a fract-filling, 17% mag - 70% chert - 4% po - 1% py, po as a localized partial replacement of mag bands & minor fract-filling, py as minor fract-filing, banding varies from 25-65, mag bands typically 1-4cm thick	105294	299.50	303.00	3.50	46.00	4.61	27.10	5.41	4.05	0.78	0.12	0.30	0.29	0.09	0.02	0.01	0.32	
1	301.40	302.80	IDD - grey, fg to mg, plag-qtz-px, plag dominates, plag typically somewhat sercitized, massive, equigranular, homogeneous in appearance, minor hairline carb fract's typically @30, primary texture fairly well preserved, leading contact sharp @37, trailing contact sharp @70																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S			
								%	%	%	%	%	%	%	%	%	%	%	%	%	%		
1	307.80	308.40	IDD - dark grey, fg, plag-qtz-px, more mafic with px more abundant than previous IDD, massive, equigranular, homogeneous in appearance, primary texture fairly well preserved, leading contact sharp @40, trailing contact sharp @40	105295	303.00	309.00	6.00	59.90	1.42	25.60	2.98	1.61	0.08	0.18	0.10	0.07	0.25	0.01	0.01	0.01	2.24		
0	315.00	399.70	IF-F - banded dark-pale grey, fg, chert-mag bands, banding locally disrupted by hairline, irregular chl-carb fract's and localized tight folding, locally bx where fracturing intense, 35% mag - 55% chert - 3% po - 1% py, po as a localized partial to complete replacement of mag bands & minor fract-filling, py as minor fract-filing, banding varies from 25-75, mag bands typically 1-4cm thick, minor minn typically replacing chert rimming mag bands	105296	309.00	315.00	6.00	53.80	0.08	38.70	3.36	0.65	0.01	0.05	0.01	0.06	0.08	0.01	0.01	0.01	0.18		
				105297	315.00	321.00	6.00	51.40	0.18	38.00	3.10	0.72	0.01	0.10	0.01	0.06	0.08	0.01	0.01	0.01	0.01	0.13	
				105298	321.00	327.00	6.00	44.60	0.19	47.30	3.14	1.49	0.01	0.13	0.01	0.11	0.06	0.01	0.01	0.01	0.01	0.03	
				105299	327.00	333.00	6.00	46.00	0.12	49.70	2.21	0.71	0.01	0.07	0.01	0.09	0.02	0.01	0.01	0.01	0.01	0.05	
				105300	333.00	339.00	6.00	47.40	0.06	46.20	1.82	0.84	0.01	0.04	0.01	0.08	0.03	0.01	0.01	0.01	0.01	0.03	
				105301	339.00	345.00	6.00	48.80	0.02	47.10	1.27	0.52	0.01	0.02	0.01	0.10	0.02	0.01	0.01	0.01	0.01	0.05	
				105302	345.00	351.00	6.00	48.30	0.67	36.70	2.19	1.46	0.02	0.09	0.04	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.74
1	346.20	346.30	IF-G - po conc with partial replacement of mag over 10cm, 30% fg po in this interval	105303	351.00	357.00	6.00	42.80	0.15	48.20	2.17	1.28	0.01	0.08	0.01	0.13	0.04	0.01	0.01	0.01	0.23		
				105304	357.00	363.00	6.00	45.20	0.17	47.90	1.91	1.25	0.01	0.10	0.01	0.13	0.06	0.01	0.01	0.01	0.01	0.22	
				105305	363.00	369.00	6.00	48.90	0.22	42.40	2.29	0.90	0.03	0.11	0.01	0.13	0.08	0.01	0.01	0.01	0.01	1.15	
				105306	369.00	375.00	6.00	45.00	0.90	40.40	2.60	1.65	0.08	0.20	0.02	0.10	0.10	0.01	0.01	0.01	0.01	0.01	1.95
				2	372.00	372.10	IF-F																

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	372.30	372.60	- intense fracturing results in a coarse bx over 10cm, sub-angulat frags to 5cm, chl filling IF-G - po conc with near complete replacement of mag over 30cm, 70% fg massive po in this interval																		
1	375.40	376.80	IDB - dark grey, fg, equigranular, massive, homogeneous in appearance, plag-px, minor irregular, carb fract's throughout, leading contact sharp @28, trailing contact sharp @63	105307	375.00	381.00	6.00	46.90	2.97	38.80	3.92	2.15	0.20	0.09	0.22	0.35	0.09	0.01	0.01	0.01	0.71
1	376.80	376.86	IF-G - 6cm fg po vn @57, complete replacement of a mag band																		
1	383.80	383.85	IF-G - irregular 5cm fg po vn @25, complete replacement of a mag band	105308	381.00	387.00	6.00	51.30	0.44	38.00	2.83	0.94	0.01	0.09	0.02	0.08	0.15	0.01	0.01	0.01	2.27
1	386.00	386.15	IF-G - 16cm fg po vn @80, complete replacement of a mag band																		
1	389.14	389.20	IF-F - 6cm massive po-py vn @42, near complete replacement of a	105309	387.00	393.00	6.00	49.60	6.19	26.70	3.60	3.22	0.93	0.80	0.28	0.31	0.11	0.01	0.01	0.01	0.07

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
1	390.30	391.70	mag band, 85% po - 15% py IDB - dark grey, fg, equigranular, massive, very homogeneous in appearance, plag-px, leading contact sharp @30, trailing contact sharp @47																		
1	392.20	393.20	IDB - grey, fg, equigranular, massive, very homogeneous in appearance, slightly bleached with a very minor secondary carb replacement, plag-px, leading contact sharp @43, trailing contact sharp @52	105310	393.00	399.00	6.00	54.70	2.84	29.10	3.10	1.65	0.38	0.20	0.17	0.17	0.14	0.01	0.01	3.04	
1	394.75	394.90	IF-G - 15cm fg po vn @70, near complete replacement of mag banding																		
1	397.10	398.00	IDB - grey, fg, equigranular, massive, homogeneous in appearance, slightly sericitized throughout, predominantly plag-px with minor biot slightly coarser than plag-px, leading contact sharp @18, trailing contact sharp @80																		
0	399.70	401.90	IDB - grey, fg, equigranular, massive, homogeneous in appearance, slightly sericitized throughout, predominantly plag-px with very minor biot slightly coarser than plag-px, leading contact sharp @45,	105311	399.00	405.00	6.00	51.30	5.19	33.30	2.29	1.97	1.06	0.81	0.24	0.19	0.05	0.01	0.01	0.03	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			trailing contact sharp @68																		
0	401.90	441.00	IF-F	105313	405.00	411.00	6.00	46.20	0.21	44.90	1.65	0.56	0.02	0.10	0.01	0.09	0.03	0.01	0.01	0.10	
			- banded dark-pale grey, fg, chert-mag	105315	411.00	417.00	6.00	47.10	0.52	46.00	1.55	0.57	0.02	0.11	0.03	0.08	0.04	0.01	0.01	0.23	
			bands, banding typically fairly well	105317	417.00	423.00	6.00	51.80	2.01	38.80	2.35	1.39	0.49	0.13	0.12	0.16	0.04	0.01	0.01	0.10	
			preserved only locally disrupted by hairline, irregular chl-carb fract's and localized tight folding, 30% mag - 55% chert - 2% po - 1% py, po-py predominantly as a fract-filling, banding varies from 50-75, mag bands typically 0.5-2 cm thick, minor minn typically replacing chert rimming mag bands																		
1	422.30	423.00	IDB																		
			- grey, fg, equigranular, massive, very homogeneous in appearance, predominantly plag-px with very minor biot, leading contact sharp @80, trailing contact sharp @70																		
				105318	423.00	429.00	6.00	46.80	0.25	48.70	1.75	0.68	0.01	0.06	0.06	0.09	0.03	0.01	0.01	0.11	
				105319	429.00	435.00	6.00	52.40	0.20	42.00	1.91	0.68	0.01	0.07	0.01	0.09	0.03	0.01	0.01	0.14	
2	431.00	431.30	IF-F																		
			- 30cm HBX with sub-angular frag's generally <1.0cm in size, cemented by sericite -siderite																		
				105320	435.00	441.00	6.00	52.20	3.48	31.40	4.10	2.49	0.02	0.10	0.24	0.21	0.06	0.02	0.01	0.07	
1	437.40	438.00	IDB																		
			- dark grey, fg, equigranular, massive, mafic, very homogeneous in appearance, predominantly plag-px, leading contact sharp @28, trailing contact sharp @35																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
1	438.50	439.00	IDB - dark grey, fg, equigranular, massive, mafic, very homogeneous in appearance, predominantly plag-px, leading contact sharp @33, trailing contact sharp @40																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	%ces>100	Calcu	RQP	%ces<100	tal	Recove	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%			%									
54.00	57.00	3.00	0.00	0.00	0.65	0.00	1.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.55	0.00	2.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.20	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.60	0.00	2.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.80	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	1.35	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.55	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	2.10	0.00	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.35	0.00	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	1.90	0.00	3.35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.30	0.00	3.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.80	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.50	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.15	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.35	0.00	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.60	0.00	2.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.90	0.00	3.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	1.00	0.00	2.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	1.30	0.00	3.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.40	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.20	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.65	0.00	3.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.20	0.00	3.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.70	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.30	0.00	3.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
141.00	144.00	3.00	0.00	0.00	0.60	0.00	3.16	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.30	0.00	3.16	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.15	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.00	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.30	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.00	0.00	2.82	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.05	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.25	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcul</i>	<i>RQPces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>						
228.00	231.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.20	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.20	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.15	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>CalculRQ</i>	<i>Pces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				%			%						
End of RQD ;		87 record(s) printed.											

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
68.30	72.00	Oxidized		
75.60	76.70	Oxidized		
82.60	83.80	Fuschite		

End of Alterations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
116.80	130.50	IF-H			0	0	0	3	50	40	0
130.50	143.40	IF-G			0	0	0	20	25	45	0
143.40	148.40	IF-H			0	0	0	10	40	40	0
148.40	154.60	IF-G			0	0	0	20	10	60	0
154.60	161.60	IF-H			0	0	5	2	50	30	0
161.60	165.20	IF-F			30	0	0	1	40	20	0
165.20	166.10	IF-E			55	0	0	0	15	15	0
299.50	315.00	IF-F			17	0	4	1	0	70	0
315.00	399.70	IF-F			35	0	3	1	0	55	0
401.90	441.00	IF-F			30	0	2	1	0	55	0

End of Mineralizations ; 10 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
78.30	0.00	VQ	bullish white Qtz, length = 1.5m minimum to 3.0m maximum with 1.6m of core loss, contacts lost in broken core
105.20	25.00	Cnt	3cm mud seam, VK-IDD
106.30	43.00	VQ	60cm QV
108.90	40.00	Cnt	IFH-IDD
114.40	30.00	Flt	4.8m Fault Zone (see lithology description)
133.30	50.00	S0	banding
146.40	37.00	S0	banding
149.00	57.00	Cnt	IFG-IDD
150.90	60.00	Cnt	IDD-IFG
153.50	12.00	VQ	1.2m QV
161.40	0.00	S1	17cm HBX
163.90	0.00	S1	4.6m HBX
166.10	30.00	Cnt	IFF-SAG
170.40	35.00	S0	bedding
172.40	38.00	S1	str chl slip
175.00	25.00	VQ	6cm QV
175.90	0.00	S1	17cm HBX
184.60	30.00	S1	str chl slip
201.70	40.00	S0	bedding
216.40	35.00	S0	bedding
238.40	45.00	S1	weak shear fabric
251.40	20.00	S0	bedding
268.50	57.00	Cnt	SG-SAG
273.60	55.00	S0	bedding
283.90	33.00	S0	bedding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
289.10	40.00	Cnt	SAG-SC
299.50	61.00	Cnt	SC-IFF
301.40	37.00	Cnt	IFF-IDD
302.80	70.00	Cnt	IDD-IFF
302.90	43.00	S1	str chl slip
305.10	40.00	S0	banding
307.80	40.00	Cnt	IFF-IDD
308.40	40.00	Cnt	IDD-IFF
314.40	65.00	S0	banding
315.80	25.00	S0	banding

End of Structures ; 35 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Hole: RH-12-28

Easting: 412409.40	Northing: 5334272.40	Elevation: 425.50
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 336.00 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 02/11/12	Finished: 02/22/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
9.00	162.80	0.00	-47.70		
100.00	206.70	0.00	-47.00		
201.00	219.60	0.00	-45.70		
303.00	205.40	0.00	-44.20		

50.00	205.00	0.00	-47.00		
150.00	204.70	0.00	-47.20		
252.00	172.90	0.00	-44.50		
336.00	204.90	0.00	-43.90		

End of Deviations ; 8 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	7.00	OVB																		
0	7.00	30.50	IF-F - dark grey to light grey, fg, banded mag-chert, mag bands from 0.5-7.0 cm thick, banding generally from 30-80, banding typically disrupted by irregular, hairline, carb-chl fract's and local tight folded, banding only locally well preserved, 35% mag - 50% chert - 4% po - 1% py - 2% siderite, po predominantly as a mag replacement with minor fract-filling locally highly abundant becoming massive very locally, abundant chl with po, siderite as local fract-filling, minor greenish minn in chert bands locally rimming mag	105321 105322	7.00 12.00	12.00 18.00	5.00 6.00	56.10 52.00	0.31 1.63	32.60 32.80	1.62 2.20	1.40 1.00	0.02 0.06	0.14 0.19	0.01 0.06	0.17 0.14	0.04 0.07	0.01 0.01	0.01 0.01	0.17 1.21	
1	17.10	17.40	IF-G - local po conc with 20% fg po as a mag replacement																		
				105323	18.00	24.00	6.00	61.60	0.97	26.70	1.99	0.94	0.05	0.28	0.04	0.14	0.06	0.01	0.01	0.58	
				105324	24.00	30.50	6.50	55.80	0.73	31.30	2.24	1.15	0.04	0.24	0.03	0.14	0.08	0.01	0.01	0.86	
0	30.50	33.50	IF-G - dark greenish-grey, originally a banded mudstone-mag-chert, po as a partial to complete mag replacement resulting in interval being mag poor, abundant chl replacement of the mudstone bands, 20% fg po locally highly conc, 2% fg py as a fract-filling, 5% mag - 15% chert - 20% po - 2% py, generally soft, leading contact gradational and indistinct, trailing contact sharp @40	105325	30.50	33.50	3.00	29.60	9.19	45.60	2.65	0.74	0.27	0.42	0.35	0.14	0.14	0.01	0.01	12.10	
0	33.50	39.90	SLC - grey, fg chert-rich interval, primary texture banded though typically disrupted by	105326	33.50	39.00	5.50	55.00	3.06	28.30	1.85	0.83	0.12	0.45	0.11	0.13	0.15	0.01	0.01	4.51	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	36.60	37.70	abundant irregular, hairline carb-sericite fract's, originally banded chert-siderite-mag, 10% mag - 65% chert - 15% siderite - 4% po - 1% py, po primarily as a replacement becomes highly abundant in local IFG interval, py as minor fract-filling, banding where evident generally @60																		
0	39.90	58.80	IF-F - po-rich interval with 35% fg po primarily as a replacement with minor fg py fract-filling, primarily black stilp-rich layers and mudstone bands, primary texture fairly obliterated by po replacement, 5% mag - 40% chert - 35% po - 1% py	105327	39.00	45.00	6.00	49.20	3.59	33.10	2.19	0.93	0.14	0.27	0.12	0.16	0.15	0.01	0.01	4.44	
1	41.50	42.80	IF-F - banded pale-dark grey, fg chert-mag-mudstone, banding fairly well preserved, banding generally @50-80, 20% mag - 40% chert - 5% siderite -2% po, po primarily as a mag replacement, minor irregular, hairline carb-chl fract's, mag bands generally 1-2cm with thicker chert-mudstone bands, 20% stilp rich mudstone layers																		
1	41.50	42.80	IF-G - po-rich interval, 15% fg po as a mag replacement and fract-filling, mudstone stilp-rich with abundant chl replacement, minor fg py as a fract-filling, interval fairly massive and fract'd throughout, 5% mag - 40% chert - 15% po - 2% py																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
				105328	45.00	51.00	6.00	53.50	0.41	28.80	2.03	1.06	0.02	0.16	0.01	0.21	0.06	0.01	0.01	0.33
				105329	51.00	57.00	6.00	56.50	3.37	25.30	3.47	2.08	0.02	0.16	0.27	0.26	0.07	0.03	0.01	0.16
2	57.00	57.90	HBX - BX with 0.5-2.0cm angular to subangular IF frags in a sericitic matrix, highly fract'd throughout this interval	105330	57.00	63.00	6.00	53.70	5.90	23.40	5.50	2.25	0.02	0.26	0.41	0.23	0.09	0.09	0.03	0.22
0	58.80	60.90	IDD - grey, fg to mg, plag-px-biot, massive, equigranular, fairly homogeneous in appearance, primary texture fairly well preserved, leading and trailing contact lost in broken core																	
0	60.90	71.50	IF-F - banded pale-dark grey, fg chert-mag, banding fairly well preserved, banding generally @40-65, 30% mag - 50% chert - 2% po - 1% py, po-py primarily as a fract-filling with minor replacement, minor irregular, hairline carb-chl fract's, mag bands generally 1-3cm with thicker chert bands																	
1	62.70	63.40	IDD - vfg, light grey, very homogeneous in appearance, equigranular, massive, probably plag-px, somewhat sericitized throughout, leading contact sharp @65, trailing contact sharp @60	105331	63.00	69.00	6.00	64.00	2.48	23.80	2.22	1.69	0.02	0.56	0.11	0.16	0.05	0.02	0.01	0.51
				105332	69.00	75.00	6.00	50.30	5.25	22.40	5.99	4.42	0.12	0.56	0.31	0.19	0.11	0.05	0.02	0.50

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	71.50	74.40	IDD - light grey, fg to mg, plag-px, equigranular, massive, crystalline, somewhat bleached & sercitized throughout, leading contact sharp @55, trailing contact sharp @48																		
0	74.40	79.70	IF-F - banded pale-dark grey, fg chert-mag, banding fairly well preserved, banding generally @55-65, 35% mag - 55% chert - 2% po - 2% py, po-py primarily as a fract-filling with minor replacement locally conc, minor irregular, hairline carb-chl fract's, mag bands generally 1-3cm with thicker chert bands, minor minn in chert bands typically rimming mag bands	105333	75.00	81.00	6.00	58.00	3.67	27.10	3.47	2.02	0.07	0.49	0.19	0.22	0.07	0.01	0.01	0.27	
0	79.70	84.50	IDD - light grey, fg, plag-px, equigranular, massive, crystalline, somewhat bleached & sercitized throughout, very homogeneous in appearance, leading contact sharp @12, trailing contact lost in broken core	105334	81.00	87.00	6.00	51.00	7.05	20.90	6.01	4.43	0.06	0.73	0.41	0.23	0.15	0.04	0.03	0.45	
2	84.25	84.30	IDD - well ground core, no evidence of significant structure																		
0	84.50	92.70	IF-E - banded pale-dark grey, fg chert-mag, mag rich interval with 55% mag - 35% chert -1% po -1% py, banding fairly well preserved only locally disrupted by irregular carb-chl fract's, banding generally @40, mag bands generally 1-10 cm thick with one band 35cm in length, po-py predominantly as a fract-filling, minor greenish minn evident in the chert layers	105335	87.00	92.70	5.70	50.20	1.20	37.10	2.92	2.67	0.11	0.48	0.04	0.22	0.08	0.01	0.01	0.25	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	92.70	101.00	IF-F - banded pale-dark grey, fg chert-mag, 30% mag - 55% chert -3% po, banding somewhat disrupted by irregular carb-chl fract's, banding generally @40-50, mag bands generally 0.5-3 cm thick, po-py as a fract-filling and localized mag replacement																		
1	92.70	94.20	IDD - grey, fresh, fg to mg, plag-px, equigranular, massive, crystalline, locally sercitized and bleached, leading contact sharp @42, trailing contact sharp @60	105336	92.70	96.00	3.30	50.20	6.16	23.20	5.87	4.91	0.03	0.31	0.36	0.19	0.11	0.04	0.03	0.21	
				105337	96.00	102.00	6.00	56.00	2.40	31.40	2.67	1.64	0.07	0.30	0.12	0.19	0.07	0.01	0.01	1.51	
0	101.10	104.40	IF-G - po - chl rich interval, IF becomes highly chloritized with 15% fg po predominantly as a partial to complete replacement of the mag bands, locally massive, 5% mag - 15% po - 25% chert, po-chl replaces mag bands in this interval, only locally appears banded, contacts with IFF gradational as sulphides increase or decrease in content	105338	102.00	108.00	6.00	50.40	6.71	27.50	3.63	2.15	0.11	0.30	0.34	0.18	0.12	0.02	0.01	3.43	
0	104.40	113.10	IF-F - banded pale-dark grey, fg chert-mag, 35% mag - 50% chert -3% po, banding somewhat disrupted by irregular carb-chl fract's, banding generally @65-75, mag bands generally 0.5-3 cm thick, po as a fract-filling and localized mag replacement locally highly conc	105339	108.00	114.00	6.00	47.00	3.54	27.90	3.71	3.84	0.02	0.35	0.21	0.18	0.13	0.03	0.01	5.60	
1	112.00	112.80	IDD - pale grey, mg, plag-px, equigranular, massive, crystalline, fairly sercitized and																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	113.10	115.50	bleached throughout, leading contact sharp @65, trailing contact sharp lost in broken core IF-G - massive fg py rich interval with 70% fg py, total replacement of mag bands, primary texture completely obliterated by py replacement, vuggy locally, 70% py - 20% chert - 2% po, gradational contact as sulphides increase or decrease in content	105340	114.00	120.00	6.00	55.60	4.40	21.80	1.91	1.95	0.04	0.87	0.22	0.12	0.11	0.02	0.01	11.50	
0	115.50	129.10	SLC - grey to dark grey, mag poor with only very minor mag bands evident, somewhat banded with chert-mudstone layers, banding generally @30-65, banding typically somewhat disrupted with abundant irregular, hairline carb-chl fract's, 5% mag - 65% chert - 5% po - 3% py, py-po as a local replacement and fract-filling locally highly conc																		
1	117.50	118.20	IDD - grey, fg, plag-px, equigranular, massive, crystalline, sericitized throughout, leading contact sharp @17, trailing contact sharp @70	105341	120.00	126.00	6.00	68.20	4.18	16.60	1.52	1.88	0.02	0.28	0.15	0.06	0.19	0.01	0.01	2.53	
0	129.10	131.50	IDD - grey, mg, plag-px, equigranular, massive, crystalline, somewhat sericitized throughout, leading contact sharp @62, trailing contact lost in broken core	105343	126.00	131.50	5.50	49.80	6.88	20.10	5.81	4.24	0.04	0.37	0.39	0.21	0.18	0.04	0.03	0.88	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	129.10	144.10	SLC - grey to dark grey, mag poor with only very minor mag bands evident, somewhat banded with chert-mudstone layers, banding generally @30-45, banding typically somewhat disrupted with abundant irregular, hairline carb-chl fract's, 5% mag - 65% chert - 4% po, po as a local replacement and fract-filling locally highly conc, becomes highly chloritic where po conc.	105345 105347	131.50 135.00	135.00 141.00	3.50 6.00	53.90 50.50	2.06 5.43	26.50 25.60	2.44 3.89	2.38 2.55	0.03 0.03	0.21 0.30	0.07 0.24	0.16 0.18	0.12 0.11	0.01 0.02	0.01 0.02	1.14 1.83	
1	137.10	137.80	IDD - grey, fg to mg, plag-px, equigranular, massive, crystalline, locally sericitized, homogeneous in appearance, leading contact sharp @52, trailing contact sharp @56																		
1	138.50	139.10	IDD - grey, fg to mg, plag-px, equigranular, massive, crystalline, locally sericitized, homogeneous in appearance, leading contact sharp @43, trailing contact sharp @40																		
0	144.10	163.70	SAG - dark grey, vfg, well sorted, locally finely bedded, mod soft to locally silicified and hard, slightly graphitic locally, py-rich with 5% fg py as strgrs and nodules typically to 1cm thick, py locally becomes highly conc and near massive, py strgrs concordant to bedding generally @60-65, local secondary carb replacement as reacts vigorously to HCl, leading contact sharp @74, trailing contact sharp irregular																		

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
1	149.80	150.70	QV - 40 cm cherty looking greyish QV with 7% fg to mg py primarily as strgrs conc along fract's, QV @70	14458	149.80	150.20	0.40	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1	156.20	156.70	PY - py rich with near massive 60% fg py, massive py with argillite and calcite strgrs																	
1	163.20	163.70	PY - py rich with near massive 65% fg py, massive py with argillite and calcite strgrs, locally disseminated																	
0	163.70	170.90	SLC - grey to dark grey, mag poor with only very minor mag bands evident, somewhat banded with chert-argillite-mudstone layers, banding generally @50-60, banding becomes prominent towards end of section, banding where evident typically somewhat disrupted with abundant irregular, hairline carb-chl fract's, 2% mag - 65% chert - 1% po - 4% py, py as a local replacement and fract-filling locally highly conc with strgrs <1cm thick concordant to banding, trailing contact with IFF gradational	105348	168.00	170.90	2.90	56.00	4.01	25.20	2.28	2.08	0.08	0.29	0.16	0.11	0.10	0.01	0.01	1.13
0	170.90	285.70	IF-F - banded dark to pale grey, mag-chert, 30% mag - 55% chert - 2% po, po as a fract-filling & minor mag replacement locally conc in chl rich intervals, banding typically fairly well preserved only locally disrupted by irregular, hairline carb-chl fract's, mag bands typically 0.5-2.0cm thick	105349 105350 105351	170.90 177.00 183.00	177.00 183.00 189.00	6.10 6.00 6.00	47.30 58.70 55.60	0.86 0.63 1.80	38.80 32.30 28.70	3.09 2.60 2.32	1.58 1.22 1.45	0.06 0.04 0.07	0.31 0.28 0.29	0.03 0.02 0.07	0.14 0.17 0.18	0.07 0.06 0.13	0.01 0.01 0.01	0.01 0.01 0.01	0.29 0.32 3.26

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
			@35-65, minor minn with the chert layers often rimming mag bands																	
1	185.70	185.90	IF-G - ocal po rich interval with 25% fg po in a local highly chloritic interval, as a fract-filling and mag replacement																	
1	187.80	188.20	IF-G - local po rich interval with 20% fg po in a local highly chloritic interval, as a fract-filling and mag replacement, 2% fg py with po																	
				105352	189.00	195.00	6.00	62.40	0.85	24.60	2.15	0.96	0.04	0.27	0.04	0.09	0.13	0.01	0.01	1.35
				105353	195.00	201.00	6.00	59.20	1.53	27.00	2.07	0.77	0.10	0.44	0.07	0.10	0.11	0.01	0.01	2.32
				105354	201.00	207.00	6.00	46.10	0.56	41.70	3.01	1.03	0.04	0.22	0.03	0.09	0.15	0.01	0.01	0.57
				105355	207.00	213.00	6.00	56.60	1.48	34.40	2.48	1.12	0.03	0.35	0.07	0.11	0.08	0.01	0.01	0.22
				105356	213.00	219.00	6.00	45.90	2.98	41.00	2.20	2.10	0.09	0.71	0.14	0.16	0.04	0.01	0.01	0.07
1	215.00	216.50	IDD - grey, fg, plag-px with minor slightly coarser biot, equigranular, crystalline, massive, homogeneous in appearance, minor, irregular, hairline carb fract's, leading contact sharp @58, trailing contact sharp @58																	
				105357	219.00	225.00	6.00	50.10	2.11	36.80	2.91	1.57	0.05	0.17	0.14	0.13	0.08	0.01	0.01	0.39
				105358	225.00	231.00	6.00	45.50	4.42	34.20	4.47	3.66	0.01	0.08	0.31	0.21	0.09	0.02	0.02	0.25
1	227.60	229.20	IDB - dark greyish-green, highly																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			chloritized mafic dyke, vfg, massive, very homogeneous in appearance, possibly diabase, fairly soft, secondary chl dominates, primary texture fairly obliterated due to secondary chl replacement, leading contact fairly sharp @32, trailing contact sharp @37																		
2	230.00	242.00	IF-F - banding fairly disrupted primarily due to tight folding, locally fract's offsets and disrupts banding	105359 105360	231.00 237.00	237.00 243.00	6.00 6.00	45.50 42.10	0.12 0.22	48.20 51.00	2.04 1.99	1.64 1.45	0.01 0.01	0.06 0.07	0.01 0.01	0.13 0.15	0.04 0.02	0.01 0.01	0.01 0.01	0.21 0.18	
2	246.47	246.50	PY - 3 cm py strgr @60	105361	243.00	249.00	6.00	49.00	5.38	28.90	4.57	3.95	0.04	0.07	0.39	0.21	0.09	0.03	0.03	0.94	
1	247.70	249.20	IDD - greenish-grey, fresh, fg, plag-px with very minor slightly coarser biot, equigranular, massive, very homogeneous in appearance, minor irregular white carb fract's, leading contact sharp @63, trailing contact lost in broken core	105362	249.00	255.00	6.00	44.20	3.17	40.80	3.66	3.07	0.11	0.14	0.22	0.18	0.06	0.01	0.01	0.11	
1	255.10	256.20	IDD - fresh, grey, fg to mg, fairly equigranular, plag-px, plag typically somewhat sericitized, crystalline, massive, minor irregular white carb fract's, leading contact sharp @40,	105363	255.00	261.00	6.00	48.70	4.10	32.10	3.58	3.85	0.10	0.45	0.25	0.25	0.08	0.01	0.01	0.13	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
1	260.40	261.20	trailing contact sharp @57																		
			IDD	105364	261.00	267.00	6.00	48.10	2.71	36.90	3.38	2.89	0.05	0.13	0.20	0.18	0.10	0.02	0.01	0.22	
			- fresh, greenish-grey, fg, equigranular, massive, crystalline, plag-px, moderate secondary chl replacement, very homogeneous in appearance, leading contact sharp but irregular, trailing contact lost in broken core																		
				105365	267.00	273.00	6.00	53.00	0.06	44.80	1.61	0.61	0.01	0.04	0.01	0.14	0.04	0.01	0.01	0.03	
				105366	273.00	279.00	6.00	50.50	0.75	41.10	2.54	1.36	0.02	0.10	0.05	0.12	0.10	0.01	0.01	0.78	
1	273.90	274.10	IF-G																		
			- local po-rich interval with 20% fg po as a partial replacement & fract-filling locally near massive, 3% mg, subhedral to euhedral py as a fract-filling																		
				105367	279.00	285.00	6.00	49.00	0.96	39.70	2.40	2.88	0.02	0.11	0.07	0.08	0.07	0.01	0.01	0.47	
				105368	285.00	291.00	6.00	44.60	9.07	26.90	6.63	3.11	0.06	0.16	0.64	0.27	0.14	0.04	0.04	0.13	
0	285.70	290.00	IDD																		
			- dark greenish-grey mafic dyke, fg, plag-px-biot, moderately soft with abundant secondary chl throughout, massive equigranular, crystalline, fairly homogeneous in appearance, leading contact sharp lost in broken core, trailing contact sharp @45																		
0	290.00	321.50	IF-F	105369	291.00	297.00	6.00	56.30	2.06	29.50	2.67	1.27	0.18	0.53	0.12	0.08	0.14	0.01	0.01	1.02	
			- banded dark to pale grey, predominantly mag-chert, 35% mag - 50% chert - 2% po, po as a fract-filling & minor mag replacement locally conc, banding typically																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
1	292.34	292.40	fairly well preserved only locally disrupted by irregular, hairline carb-chl fract's and local tight folds, mag bands typically 1.0-4.0cm thick @35-60, minor minn with the chert layers often rimming mag bands PO - 6 cm po rich band @70, 40% fg po replacement	105370	297.00	303.00	6.00	48.40	2.15	36.50	3.00	1.37	0.17	0.53	0.10	0.08	0.09	0.01	0.01	0.09
				105371	303.00	309.00	6.00	57.30	2.33	29.70	2.54	0.53	0.15	0.45	0.12	0.05	0.17	0.01	0.01	0.94
				105373	309.00	315.00	6.00	49.40	0.65	40.00	2.80	1.24	0.05	0.25	0.03	0.10	0.13	0.01	0.01	0.45
				105375	315.00	321.50	6.50	50.50	2.87	33.00	2.86	0.86	0.16	0.45	0.22	0.05	0.15	0.02	0.01	0.46
0	321.50	336.00	SM - dark grey, finely bedded with silty - sandy interbeds, vfg to fg, well sorted, generally thicker sandy beds interbedded with narrow silty dark grey interbeds, fresh with bedding well preserved throughout only locally disrupted by local tight folding, bedding generally @45-65, initially interbedded with chert layers from 321.5-323.8, minor hairline py-po strgrs's concordant to bedding or as partial replacement of hairline carb strgr's, 2% py-po, leading contact @55	105377	321.50	324.00	2.50	50.70	7.72	23.00	3.39	2.23	0.04	0.76	0.34	0.11	0.12	0.01	0.01	0.33

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
9.00	12.00	3.00	0.00	0.00	0.15	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
12.00	15.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.20	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.15	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.25	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.40	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.60	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.25	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.30	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.55	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.25	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.10	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.30	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.35	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	1.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.50	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.20	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.60	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.90	0.00	3.23	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.25	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
96.00	99.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.15	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.25	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.15	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.25	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.15	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.55	0.00	3.22	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.45	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.80	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	1.30	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.45	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.45	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcul</i>	<i>RQPces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			%		%								
183.00	186.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.05	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.75	0.00	3.28	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>%ces>100</i>	<i>CalculRQP</i>	<i>%ces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			%		%								
270.00	273.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.15	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.25	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.40	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.20	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 109 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
41.50	42.80	chl		
101.00	104.40	chl		
227.60	229.20	chl		

End of Alterations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
7.00	30.50	IFF			35	0	4	1	2	50	0
30.50	33.50	IF-G			5	0	20	2	0	15	0
33.50	36.60	SLC			10	0	4	1	15	65	0
36.60	37.70	IF-G			5	0	35	1	0	40	0
37.70	39.90	SLC			10	0	4	1	15	65	0
39.90	41.50	IF-F			20	0	2	0	5	40	0
41.50	42.80	IF-G			5	0	15	2	0	40	0
41.50	58.80	IF-F			20	0	2	0	5	40	0
60.90	71.50	IF-F			30	0	2	1	0	50	0
74.40	79.90	IF-F			35	0	2	2	0	55	0
84.50	92.70	IF-E			55	0	1	1	0	35	0
92.70	101.00	IF-F			30	0	3	0	0	55	0
101.00	104.40	IF-G			5	0	15	0	0	25	0
104.40	113.10	IF-F			35	0	3	0	0	50	0
113.10	115.50	IF-G			0	0	2	70	0	20	0
115.50	129.10	SLC			5	0	5	3	0	65	0
131.50	144.10	SLC			5	0	4	0	0	65	0
163.70	170.90	SLC			2	0	1	4	0	65	0
170.90	285.70	IF-F			30	0	2	0	0	55	0
290.00	321.50	IF-F			35	0	2	0	0	50	0

End of Mineralizations ; 20 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
9.40	38.00	S0	banding
22.90	30.00	S0	banding
28.40	78.00	S0	banding
33.50	40.00	Cnt	IFG-IFF
35.10	60.00	S0	banding
43.80	80.00	S0	banding
51.80	50.00	S0	banding
57.20	12.00	S1	str chl slip
57.50	0.00	S1	90 cm HBX
62.20	65.00	Cnt	IFF-IDD
63.40	60.00	Cnt	IDD-IFF
69.70	40.00	S0	banding
71.50	55.00	Cnt	IFF-IDD
74.40	48.00	Cnt	IDD-IFF
76.10	65.00	S0	banding
79.70	12.00	Cnt	IFF-IDD
88.20	40.00	S0	banding
101.10	43.00	S0	banding
110.40	75.00	S0	banding
112.00	65.00	Cnt	IFF-IDD
117.50	17.00	Cnt	IFF-IDD
118.20	70.00	Cnt	IDD-IFF
123.90	65.00	S0	banding
129.10	62.00	Cnt	IFF-IDD
137.10	52.00	Cnt	IFF-IDD

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
137.80	56.00	Cnt	IDD-IFF
138.50	43.00	Cnt	IFF-IDD
139.10	40.00	Cnt	IDD-IFF
144.10	74.00	Cnt	SLC_SAG
148.70	65.00	S0	bedding
150.00	70.00	VQ	40cm QV with 7% py - assayed for Au
161.60	60.00	S0	banding
169.40	55.00	S0	banding
182.20	50.00	S0	banding
189.10	15.00	S1	str chl-carb slip in broken core
193.90	42.00	S0	banding
200.30	13.00	S1	str chl slip, minor bx adj to slip
204.80	56.00	S0	banding
212.00	65.00	S0	banding
215.00	58.00	Cnt	IFF-IDD
216.50	58.00	Cnt	IDD-IFF
221.30	35.00	S0	banding
225.50	20.00	S1	str chl slip
227.60	32.00	Cnt	IFF-IDB
229.20	37.00	Cnt	IDB-IFF
237.40	28.00	S0	banding
244.80	60.00	S0	banding
247.70	63.00	Cnt	IFF-IDD
255.10	40.00	Cnt	IFF-IDD
256.20	57.00	Cnt	IDD-IFF

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
258.80	55.00	S0	banding
264.50	53.00	S0	banding
275.20	67.00	S0	banding
285.20	63.00	S0	banding
290.00	45.00	Cnt	IDD-IFF
292.80	60.00	S0	banding
302.10	45.00	S0	banding
310.90	35.00	S0	banding
319.50	50.00	S0	banding
321.50	55.00	Cnt	IFF-SM
326.50	45.00	S0	bedding
331.00	65.00	S0	bedding

End of Structures ; 62 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

*Satellite database created from Rogue-**RadioHill DDH2011.accdb***

Hole: RH-12-29

Easting: 412409.20	Northing: 5334324.80	Elevation: 425.30
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -75.00	Length: 468.00 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: ORBIT
Started: 02/22/12	Finished: 03/05/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
15.00	179.20	0.00	-70.70		
102.00	228.70	0.00	-71.20		
201.00	235.10	0.00	-70.90		
300.00	230.00	0.00	-70.60		
402.00	187.20	0.00	-69.70		
465.00	221.00	0.00	-68.00		

51.00	207.90	0.00	-70.80		
150.00	212.50	0.00	-71.10		
252.00	226.80	0.00	-70.80		
357.00	206.90	0.00	-70.10		
453.00	201.80	0.00	-68.50		

End of Deviations ; 11 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	0.00	2.70	OVB																		
0	2.70	29.10	IF-F - pale to dark grey, banded mag-chert, banding typically fairly disrupted initially by abundant irregular, hairline chl & carb fract's, banding becomes fairly well preserved with depth, banding generally @20-50, mag bands generally 0.5-3.0cm thick, 35% mag - 50% chert - 2% sid - 2% po, siderite conc as a chert replacement to 9.0, po locally conc in chl rich intervals as a replacement and fract-filling	105378	2.70	6.00	3.30	38.60	0.09	45.90	1.96	1.04	0.01	0.03	0.01	0.10	0.02	0.01	0.01	0.20	
1	5.50	6.60	IF-H - local siderite rich interval, siderite-chert with <5% mag in this local interval, pale brown, mag as a hairline fract-filling or boundinaged mag band frags, primary texture fairly obliterated in this interval	105379	6.00	12.00	6.00	40.00	0.17	46.60	1.95	1.10	0.01	0.07	0.01	0.10	0.02	0.01	0.01	0.25	
				105380	12.00	18.00	6.00	42.80	0.13	46.50	2.04	1.19	0.01	0.06	0.01	0.11	0.02	0.01	0.01	0.22	
				105381	18.00	24.00	6.00	45.20	0.17	44.40	1.90	1.19	0.01	0.06	0.01	0.11	0.02	0.01	0.01	0.27	
1	24.00	24.04	PO - 4 cm fg po band @40, 95% po - 2% py	105382	24.00	30.00	6.00	45.00	0.48	39.10	1.87	1.13	0.02	0.11	0.02	0.10	0.04	0.01	0.01	0.57	
0	29.10	33.60	IF-H - pale brown to grey, siderite rich - mag poor, interbedded siderite-rich layers with chert layers, 5% mag - 40% chert - 30% siderite, banding generally @40, fairly fract'd throughout with chl-siderite filling often normal to the banding angles (tension fracturing), locally finely bx, primary texture typically somewhat	105383	30.00	36.00	6.00	52.10	1.08	33.30	1.59	0.91	0.01	0.13	0.04	0.12	0.05	0.01	0.01	0.65	

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			obliterated, contacts gradational																		
0	33.60	58.40	IF-F - pale to dark grey, banded mag-chert, banding locally disrupted by irregular, hairline chl & carb fract's and localized tight folding, banding typically fairly well preserved, banding generally @30-40, mag bands generally 1.0-4.0cm thick, 40% mag - 50% chert - 1% po - 1% py, minor po-py as a replacement and fract-filling, minor minn associated with the chert bands often rimming mag bands	105384 105385 105386 105387	36.00 42.00 48.00 54.00	42.00 48.00 54.00 60.00	6.00 6.00 6.00 6.00	55.00 55.00 54.30 69.50	0.69 0.34 1.04 0.63	36.60 37.80 35.90 21.00	1.95 2.27 2.57 1.58	1.26 1.31 1.44 0.76	0.03 0.04 0.10 0.01	0.23 0.17 0.25 0.17	0.03 0.01 0.05 0.03	0.15 0.13 0.16 0.09	0.04 0.05 0.04 0.05	0.01 0.01 0.01 0.02	0.01 0.01 0.01 0.01	0.03 0.30 0.49 0.92	
0	58.40	66.90	SLC - chert rich with 55% whitish, fract'd chert interbedded with 15% dark grey, stilp-rich chert layers, fairly fract'd throughout with abundant irregular, hairline predominantly chl fract's, primary texture somewhat obliterated throughout, 5% mag - 70% chert - 4% po - 1% py, po locally highly conc in chl-rich intervals, locally finely bx due to fracturing	105388	60.00	66.00	6.00	63.50	4.35	21.90	2.04	0.57	0.04	0.51	0.21	0.13	0.03	0.01	0.01	0.01	3.84
1	62.80	63.80	IF-G - local po-rich interval with 35% fg po as a mag replacement and fract-filling, 10% mag - 35% po, abundant secondary chl throughout, original texture obliterated due to po-chl replacement, minor fg py as a fract-filling																		
1	63.80	64.80	IDB - dark grey, chl-rich mafic dyke, fg plag-px-chl, equigranular, massive, featureless, very homogeneous in appearance,																		

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
			soft with abundant secondary chl replacement, leading contact sharp @70, trailing contact lost in broken core	105389	66.00	72.00	6.00	68.10	0.83	24.90	1.70	0.70	0.03	0.21	0.03	0.09	0.04	0.02	0.01	0.01	1.11
0	66.90	104.00	IF-F	105390	72.00	78.00	6.00	49.40	0.95	41.70	2.50	1.85	0.01	0.16	0.06	0.17	0.03	0.01	0.01	0.01	0.29
			- pale to dark grey, banded mag-chert, banding locally disrupted by irregular, hairline chl & carb fract's and localized tight folding, banding typically fairly well preserved, banding generally @50-60, mag bands generally 1.0-5.0cm thick, 40% mag - 50% chert - 2% po - 1% py, minor po-py as a replacement and fract-filling, minor minn associated with the chert bands often rimming mag bands	105391	78.00	84.00	6.00	42.00	0.36	47.70	2.33	1.73	0.02	0.16	0.01	0.15	0.03	0.01	0.01	0.01	0.25
				105392	84.00	90.00	6.00	48.00	0.43	43.10	2.17	1.72	0.05	0.20	0.02	0.16	0.03	0.01	0.01	0.01	0.17
				105393	90.00	96.00	6.00	49.40	0.49	41.80	2.33	1.80	0.04	0.24	0.02	0.16	0.04	0.01	0.01	0.01	0.31
				105394	96.00	102.00	6.00	52.50	0.26	41.20	2.66	1.24	0.01	0.14	0.01	0.12	0.07	0.01	0.01	0.01	0.20
				105395	102.00	108.00	6.00	62.10	0.87	30.80	2.56	0.70	0.02	0.15	0.03	0.08	0.07	0.01	0.01	0.01	1.13
0	104.00	212.00	IF-F																		
			- pale to dark grey, banded mag-chert, 30% mag - 60% chert - 3% po, fg po as replacement & fract-filling locally highly conc in highly chloritic intervals, banding typically fairly well preserved with only local disruptions due to irregular, hairline chl & carb fract's, banding generally @30-45, mag band generally 0.5-3.0cm thick, chert bands typically exhibit darker stilp-rich bands, only very minor minn evident within the chert bands																		
1	105.80	105.86	IF-G																		
			- 6cm po-rich strgr @54 with near complete replacement of a mag band with 80% fg po																		
				105396	108.00	114.00	6.00	71.90	1.15	20.50	1.57	0.30	0.09	0.28	0.05	0.06	0.05	0.01	0.01	0.01	1.62
1	110.10	110.40	IF-G																		

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Lithology and Assays:

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								%	%	%	%	%	%	%	%	%	%	%	%	%
			- 40cm po-chl rich interval, partial to complete replacement of mag bands with 55% fg po as a replacement	105397	114.00	120.00	6.00	69.10	1.00	22.00	1.75	0.48	0.13	0.18	0.04	0.06	0.06	0.01	0.01	0.70
				105398	120.00	126.00	6.00	56.70	3.35	27.90	2.05	0.68	0.29	0.14	0.12	0.10	0.11	0.01	0.01	4.23
1	120.20	120.70	IDD - grey, fg, plag-px, massive, equigranular, homogeneous in appearance, leading contact sharp @80,trailing contact sharp @45																	
2	121.60	121.80	VQ - 20 cm bullish, white QV @55 - massive,bullish qtz with 15% caught-up wallrock frags, doesn't appear mineralized																	
1	122.50	123.00	IF-G - local po-rich interval,with 25% fg po locally highly conc in this interval, highly chloritic in this interval with the po-chl resulting in a complete replacement of mag bands, po as a replacement and a fract-filling																	
1	124.90	125.70	IF-G - local po-rich interval with 25% fg po as a partial replacement and minor fract-filling, highly chloritic in this interval resulting in a complete replacement of the mag-chert in this interval, 2% fg pyb as a fract-filling																	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
1	128.90	129.40	IDD - pale grey, mg, plag-px with minor biot flakes, massive, equigranular, fairly homogeneous in appearance, somewhat sericitized and bleached throughout, leading contact sharp but irregular, trailing contact sharp @75	105399	126.00	132.00	6.00	54.40	2.06	30.70	2.69	1.30	0.02	0.38	0.12	0.16	0.08	0.01	0.01	0.63
2	129.40	130.30	HBX - 90 cm of a fine to coarse bx, highly fract'd throughout with abundant sericite-carb fract's, no evidence of being FLT related, sub-angular frags	105400	132.00	138.00	6.00	46.20	0.47	43.60	2.11	1.76	0.01	0.15	0.02	0.14	0.03	0.01	0.01	0.14
				105401	138.00	144.00	6.00	51.20	0.29	40.40	1.90	1.14	0.02	0.15	0.01	0.13	0.02	0.01	0.01	0.32
				105403	144.00	150.00	6.00	46.90	0.64	43.80	2.20	1.62	0.04	0.26	0.02	0.12	0.04	0.01	0.01	0.36
2	154.00	154.60	HBX - 60 cm of a fine to coarse bx, highly fract'd throughout with abundant sericite fract, sub-angular to angular mag & chert frags, no evidence of being FLT related	105405	150.00	156.00	6.00	46.20	0.46	43.50	2.00	1.79	0.05	0.22	0.02	0.13	0.02	0.01	0.01	0.25
				105407	156.00	162.00	6.00	53.60	0.10	39.20	2.68	1.23	0.01	0.06	0.01	0.06	0.04	0.01	0.01	0.23
1	162.10	162.30	IF-G	105408	162.00	168.00	6.00	56.00	0.97	34.10	1.95	1.10	0.09	0.29	0.04	0.11	0.04	0.01	0.01	0.96

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								%	%	%	%	%	%	%	%	%	%	%	%	%	
2	167.10	167.20	- po-rich interval with 25% fg po locally highly conc, po as a partial replacement of mag bands & fract-filling, with a 1 cm siderite-py strgr @162.15 @26 HBX - 10 cm fine bx with angular frags to 0.5 cm cemented by a fg sericite-siderite matrix, bx interval @30, no evidence of being FLT related																		
				105409	168.00	174.00	6.00	58.10	0.26	33.50	2.00	0.97	0.02	0.13	0.01	0.08	0.05	0.01	0.01	0.23	
				105410	174.00	180.00	6.00	46.50	2.75	38.30	3.42	1.82	0.03	0.22	0.13	0.20	0.03	0.01	0.01	0.19	
1	174.10	175.30	IDD - greenish-grey, fg, plag-px, fairly equigranular though px slightly coarser than plag, massive, crystalline, fairly homogeneous in appearance, minor irregular, hairline white carb fract's throughout, leading contact sharp @55, trailing contact sharp @73																		
				105411	180.00	186.00	6.00	47.60	0.27	44.20	1.74	0.95	0.03	0.12	0.01	0.13	0.02	0.01	0.01	0.19	
				105412	186.00	192.00	6.00	48.50	0.37	45.60	2.04	1.20	0.03	0.20	0.01	0.14	0.02	0.01	0.01	0.13	
				105413	192.00	198.00	6.00	45.10	0.66	45.10	2.33	1.47	0.06	0.31	0.03	0.13	0.04	0.01	0.01	0.30	
				105414	198.00	204.00	6.00	46.60	0.42	43.10	2.14	1.34	0.04	0.20	0.01	0.12	0.03	0.01	0.01	0.13	
				105415	204.00	210.00	6.00	51.00	1.11	36.70	2.21	1.16	0.10	0.35	0.05	0.12	0.04	0.01	0.01	0.37	
				105416	210.00	216.00	6.00	70.40	1.41	20.20	1.45	0.31	0.17	0.49	0.06	0.07	0.04	0.01	0.01	1.40	
0	212.00	227.30	IF-F - pale to dark grey, banded mag-chert,	105417	216.00	222.00	6.00	53.60	3.89	28.90	3.77	1.63	0.07	0.21	0.19	0.19	0.09	0.02	0.01	2.49	

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								%	%	%	%	%	%	%	%	%	%	%	%	%	
1	220.30	221.50	chert-rich - mag poor, 20% mag - 65% chert - 4% po 1% py, fg po as a replacement & fract-filling locally highly conc in highly chloritic intervals, banding typically somewhat obliterated throughout being disrupted & bx due to abundant irregular, hairline chl & carb fract's prominent throughout, banding generally @35-45 IDB - fresh, dark grey, mafic dyke, plag-px, fg, equigranular, massive, very homogeneous in appearance, secondary carb as locally reacts vigorously to HCl, leading contact sharp @33, trailing contact sharp @32																		
0	227.30	233.60	IF-G - po-rich interval, 15% mag - 30% chert - 20% po - 1% py - 20% chl, fg po as a mag replacement and fracture-filling with partial to complete mag replacement locally & fract-filling with fract's often concordant to bedding, abundant chl replacement typically associated with po, primary texture fairly obliterated due to po-chl replacement though banded mag-chert evident locally, gradational contacts with IFF	105418 105419	222.00 228.00	228.00 234.00	6.00 6.00	57.90 43.00	2.17 4.96	29.80 38.10	2.23 2.40	0.59 1.33	0.04 0.07	0.17 0.14	0.08 0.16	0.07 0.13	0.12 0.22	0.01 0.01	0.01 0.01	3.90 9.28	
0	233.60	308.80	IF-F - banded dark grey - pale grey, mag -chert, 35% mag - 50% chert - 4% po - 1% py, primary banded texture fairly well preserved becoming disrupted locally due to irregular, hairline carb-chl fract's, po as	105420 105421	234.00 240.00	240.00 246.00	6.00 6.00	54.40 65.60	0.93 1.19	32.70 24.30	2.43 1.74	0.88 0.56	0.05 0.06	0.15 0.20	0.03 0.04	0.17 0.12	0.10 0.10	0.01 0.01	0.01 0.01	2.43 2.44	

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1	240.70	241.30	a replacement and fract-filling becoming highly abundant locally in highly chloritized intervals, banding generally @20-45, minor greenish minn with the chert bands often conc rimming mag bands IF-G - po-chl rich interval with 30% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated																		
1	247.00	248.00	IF-G - po-chl rich interval with 40% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally	105422	246.00	252.00	6.00	41.10	4.07	39.70	3.04	0.35	0.06	0.18	0.16	0.06	0.13	0.01	0.01	7.85	
1	249.80	251.10	IF-G - po-py-chl rich interval with 25% fg po as a replacement and fract-filling, 5% fg py as a fract-filling becomes highly conc in a siderite-rich interval 249.4-294.5, abundant chl replacement associated with po, primary banded texture fairly obliterated	105423	252.00	258.00	6.00	70.70	0.52	20.40	1.63	0.35	0.03	0.12	0.02	0.04	0.07	0.01	0.01	0.73	
1	259.50	261.40	IF-G - po-py-chl rich interval with 30%	105424	258.00	264.00	6.00	46.10	4.77	37.10	2.58	0.52	0.09	0.19	0.16	0.07	0.12	0.01	0.01	6.95	

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								%	%	%	%	%	%	%	%	%	%	%	%	%	
			fg po as a replacement and fract-filling, 3% fg py primarily as a fract-filling, abundant chl replacement associated with po, primary banded texture obliterated due to po-chl replacement																		
2	263.00	268.00	HBX - mag banding becomes bx in this interval due to abundant chl,carb,minn irregular, hairline fract's, abundant secondary minn & siderite, sub-angular, disrupted mag band frags generally 1-3cm in size cemented by a chert-minn-siderite matrix, bx obliterates primary texture	105425	264.00	270.00	6.00	55.20	0.65	32.40	2.60	1.12	0.06	0.25	0.02	0.18	0.07	0.01	0.01	0.69	
1	271.50	272.30	IF-G - po-chl rich interval with 25% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally	105426	270.00	276.00	6.00	46.10	2.65	38.70	2.96	1.13	0.16	0.19	0.08	0.25	0.06	0.01	0.01	2.52	
				105427	276.00	282.00	6.00	47.70	0.63	40.70	3.29	1.38	0.06	0.28	0.02	0.25	0.07	0.01	0.01	0.28	
				105428	282.00	288.00	6.00	50.10	0.49	40.10	3.35	1.08	0.03	0.22	0.03	0.13	0.06	0.01	0.01	0.23	
				105429	288.00	294.00	6.00	48.60	1.79	38.00	2.79	1.26	0.10	0.29	0.07	0.27	0.07	0.01	0.01	3.21	
1	293.30	295.30	IF-G - o-chl rich interval with 30% fg po as a replacement and fract-	105430	294.00	300.00	6.00	48.10	4.34	33.90	2.59	1.17	0.14	0.31	0.17	0.15	0.09	0.01	0.01	4.70	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
1	296.20	296.90	filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally, 4% fg py primarily as a fract-filling IF-G - o-chl rich interval with 35% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally, near total IF replacement by po-chl in this interval																		
1	299.90	301.80	IF-G - o-chl rich interval with 40% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally, near total IF replacement by po-chl in this interval with IF only evident locally	105431	300.00	306.00	6.00	56.30	2.28	29.20	2.16	1.24	0.10	0.24	0.08	0.14	0.09	0.01	0.01	4.01	
1	304.90	305.30	IF-G - o-chl rich interval with 40% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag																		

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
			replacement, po becomes near massive locally, near total IF replacement by po-chl in this interval with IF only evident locally, 5% fg py as a fract-filling	105433	306.00	312.00	6.00	38.40	4.03	39.20	3.49	2.48	0.23	0.43	0.15	0.26	0.17	0.01	0.01	4.06
0	308.80	314.60	IF-G - o-chl rich interval with 25% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally, near total IF replacement by po-chl in this interval with IF only evident locally, leading contact sharp @28, trailing contact sharp @20, 10% mag - 25% po - 10% chert	105435	312.00	318.00	6.00	37.50	9.21	34.30	4.37	2.88	0.64	0.32	0.40	0.25	0.13	0.01	0.01	5.62
0	314.60	317.30	IDD - dark grey, mafic dyke, plag-px-olivine, fg, equigranular, massive, homogeneous in appearance, minor white carb, irregular fract's, trailing contact lost in broken core																	
2	316.60	318.00	bc - highly broken core, no evidence of significant structure																	
0	317.30	318.90	IF-G - o-chl rich interval with 40% fg po as a replacement and fract-filling, abundant chl replacement associated with po, primary banded texture fairly obliterated, partial to complete mag replacement, po becomes near massive locally, near total IF replacement by po-chl in this interval with IF only evident locally, 4% fg py as a fract-	105437	318.00	324.00	6.00	54.50	0.97	32.50	2.44	1.18	0.05	0.13	0.04	0.18	0.07	0.01	0.01	2.14

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %
0	318.90	327.40	filling, 10% mag - 40% po - 4% py - 5% chert IF-F - dark - pale grey, banded mag-chert, 30% mag - 55% chert - 3% po - 2% siderite, primary banded texture fairly well preserved only locally disrupted by irregular, hairline chl-siderite-carb fract's, banding generally @30-40, mag bands generally 1-4cm thick, fg po as a replacement and fract-filling locally abundant in highly chloritic interval	105438	324.00	330.00	6.00	51.40	3.22	33.40	2.13	0.61	0.06	0.13	0.11	0.12	0.09	0.01	0.01	7.35
1	325.00	325.60	IF-G - po-chl rich interval with 15% fg po as a partial replacement and fract-filling, highly chloritic, banded texture somewhat obliterated																	
0	327.40	329.60	IF-G - po-chl rich interval with 30% fg po as a replacement and fract-filling, highly chloritic, banded texture fairly obliterated due to secondary po-chl, only minor chert evident in this interval, 30% po - 5% mag - 10% chert																	
2	327.90	328.50	bc - highly broken core, no evidence og significant structure																	
0	329.60	349.00	IF-F - dark - pale grey, banded mag-chert, 25% mag - 60% chert - 3% po - 2% siderite, primary banded texture fairly well preserved only locally disrupted by	105439	330.00	336.00	6.00	65.10	0.64	25.10	2.08	0.62	0.04	0.17	0.03	0.08	0.09	0.01	0.01	2.11

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
1	335.30	336.40	irregular, hairline chl-siderite-carb fract's, banding generally @20-40, mag bands generally 1-4cm thick, fg po as a replacement and fract-filling locally abundant in highly chloritic interval	105440	336.00	342.00	6.00	64.40	0.78	25.50	1.74	0.38	0.04	0.11	0.03	0.05	0.09	0.01	0.01	1.05
			IF-G - po-chl rich interval with 25% fg po primarily as a partial to complete replacement, highly chloritic, banded texture fairly obliterated due to secondary po-chl, no chert evident in this interval, leading contact sharp @33, trailing contact sharp @40	105441	342.00	348.00	6.00	58.20	0.75	31.60	2.50	1.15	0.07	0.25	0.02	0.13	0.08	0.01	0.01	0.69
				105442	348.00	354.00	6.00	55.80	7.07	23.40	2.50	2.75	1.10	1.14	0.33	0.26	0.06	0.01	0.01	0.19
0	349.00	351.70	IDD - pale grey, intermediate dyke, fg, plag-px-qtz, minor biot, equigranular, massive, homogeneous in appearance, abundant secondary carb locally as reacts vigorously to HCl, contacts lost in broken core																	
0	351.70	458.60	IF-F - dark to pale grey, banded mag-chert, primary banded texture fairly well preserved only locally disrupted by irregular, hairline carb-chl fract's, banding generally @30-40, banding generally 0.5-3.0cm thick, 30% mag - 60% chert - 2% po, po as a minor local repalcement, locally somewhat bx due to local intense fracturing, minor minn in chert often rimming mag layers	105443	354.00	357.00	3.00	53.80	3.09	35.40	1.99	0.58	0.29	0.76	0.13	0.09	0.07	0.01	0.01	0.51
				105444	357.00	360.00	3.00	66.30	1.35	26.10	1.43	0.39	0.09	0.27	0.05	0.03	0.05	0.01	0.01	0.33
				105445	360.00	363.00	3.00	43.40	0.82	47.30	1.75	1.61	0.12	0.36	0.02	0.16	0.04	0.01	0.01	0.03
				105446	363.00	366.00	3.00	49.60	0.46	42.90	1.63	1.44	0.05	0.21	0.02	0.18	0.04	0.01	0.01	0.14
				105447	366.00	369.00	3.00	50.60	0.49	40.70	1.86	1.40	0.06	0.24	0.02	0.18	0.06	0.01	0.01	0.32
				105448	369.00	372.00	3.00	52.10	0.52	39.50	1.35	0.97	0.05	0.22	0.02	0.11	0.04	0.01	0.01	3.10

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	370.40	395.00	IF-G - bx chl rich interval, 20% fg po as a replacement & fract-filling	105449	372.00	375.00	3.00	46.30	0.15	48.70	1.51	1.14	0.01	0.07	0.01	0.13	0.03	0.01	0.01	0.01	0.12
				105450	375.00	378.00	3.00	46.40	0.09	50.30	1.29	0.75	0.01	0.04	0.01	0.12	0.02	0.01	0.01	0.01	0.13
				105451	378.00	381.00	3.00	49.30	0.20	46.20	1.42	0.75	0.04	0.10	0.01	0.13	0.05	0.01	0.01	0.01	0.34
			locally highly abundant, highly fract'd with abundant, irregular, hairline fract's resulting in a coarse bx	105452	381.00	384.00	3.00	42.00	0.05	55.10	1.34	0.79	0.01	0.03	0.01	0.10	0.04	0.01	0.01	0.01	0.03
				105453	384.00	387.00	3.00	47.60	0.05	49.70	1.23	0.70	0.01	0.03	0.01	0.12	0.03	0.01	0.01	0.01	0.03
				105454	387.00	390.00	3.00	44.00	0.03	54.50	1.11	0.54	0.01	0.02	0.01	0.10	0.04	0.01	0.01	0.01	0.03
				105455	390.00	393.00	3.00	43.50	0.19	53.50	1.29	0.81	0.03	0.09	0.01	0.13	0.04	0.01	0.01	0.01	0.05
				105456	393.00	396.00	3.00	52.40	9.22	19.60	4.66	4.41	2.15	0.26	0.45	0.39	0.07	0.02	0.02	0.01	0.30
1	393.80	395.60	IDD - fg to mg, grey, intermediate dyke, plag-px-hblde, very minor biot, predominantly equigranular with a few coarser px grains evident, massive, homogeneous in appearance, leading ccontact sharp @27, trailing contact sharp @32																		
				105457	396.00	399.00	3.00	54.30	0.42	38.30	1.97	1.16	0.04	0.10	0.01	0.10	0.09	0.02	0.01	0.01	0.69
				105458	399.00	402.00	3.00	54.90	0.40	38.60	1.71	0.51	0.05	0.16	0.01	0.06	0.11	0.01	0.01	0.01	1.74
				105459	402.00	405.00	3.00	47.80	0.14	50.20	1.44	0.55	0.02	0.06	0.01	0.12	0.07	0.01	0.01	0.01	0.03
				105460	405.00	408.00	3.00	47.00	0.20	49.80	1.59	0.82	0.02	0.09	0.01	0.13	0.05	0.01	0.01	0.01	0.03
				105461	408.00	411.00	3.00	56.80	0.32	35.10	2.25	0.70	0.05	0.16	0.02	0.06	0.11	0.01	0.01	0.01	1.37
				105463	411.00	414.00	3.00	50.40	0.08	46.30	1.74	0.60	0.01	0.05	0.01	0.11	0.06	0.01	0.01	0.01	0.15
				105465	414.00	417.00	3.00	46.10	0.03	51.60	1.32	0.59	0.01	0.02	0.01	0.14	0.03	0.01	0.01	0.01	0.03
				105467	417.00	420.00	3.00	52.30	0.07	42.20	2.19	0.93	0.02	0.04	0.01	0.13	0.06	0.01	0.01	0.01	0.03
				105468	420.00	423.00	3.00	50.70	0.05	46.00	1.63	0.63	0.01	0.03	0.01	0.14	0.04	0.01	0.01	0.01	0.07
				105469	423.00	426.00	3.00	48.10	0.03	49.30	1.54	0.70	0.01	0.02	0.01	0.15	0.04	0.01	0.01	0.01	0.09
				105470	426.00	429.00	3.00	50.10	0.04	43.40	2.46	0.92	0.01	0.03	0.01	0.09	0.11	0.01	0.01	0.01	0.26
				105471	429.00	432.00	3.00	49.70	0.23	42.90	2.53	0.87	0.02	0.09	0.01	0.06	0.09	0.01	0.01	0.01	5.00
1	429.60	430.00	IF-G - 40 cm massive po vn @25, 95% fg po as a complete																		

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			replacement with 5% chl as a fract-filling																		
1	433.80	434.20	IF-G - 40 cm po rich interval with 65% fg po as a partial replacement & fract-filling, abundant chl fract-filling in this interval	105472	432.00	435.00	3.00	56.60	0.87	34.30	2.45	0.76	0.03	0.06	0.03	0.08	0.11	0.02	0.01	4.67	
1	434.20	435.70	SLC - chert-rich, mag-poor with 5% mag - 80% chert, chert fairly fract'd with abundant irregular, hairline chl fract's, minor siderite as a replacement, 2% fg po as a fract-filling, primary texture fairly well preserved, sharply gradational contacts	105473	435.00	438.00	3.00	61.30	0.13	32.10	2.67	0.71	0.01	0.04	0.01	0.06	0.10	0.01	0.01	0.26	
				105474	438.00	441.00	3.00	46.00	0.10	48.60	2.71	1.32	0.01	0.06	0.01	0.13	0.06	0.01	0.01	0.03	
				105475	441.00	444.00	3.00	51.70	0.32	43.40	1.82	0.85	0.03	0.15	0.02	0.14	0.03	0.01	0.01	0.03	
				105476	444.00	447.00	3.00	51.50	0.07	44.90	1.27	0.65	0.01	0.03	0.01	0.13	0.04	0.01	0.01	0.03	
				105477	447.00	450.00	3.00	44.30	0.11	49.40	1.58	0.73	0.01	0.05	0.01	0.12	0.04	0.01	0.01	0.03	
				105478	450.00	453.00	3.00	46.90	0.05	48.00	1.59	0.84	0.01	0.03	0.01	0.15	0.05	0.01	0.01	0.03	
				105479	453.00	456.00	3.00	49.00	0.02	44.10	1.77	0.86	0.01	0.02	0.01	0.15	0.05	0.01	0.01	0.03	
				105480	456.00	458.60	2.60	50.90	0.13	36.70	2.28	1.34	0.02	0.05	0.01	0.10	0.10	0.01	0.01	0.21	
0	458.60	468.00	SG - pale greenish-grey, appears to be a frag. Lapilli Tuff not an actual sed, 10% sub-rounded lithic frags up to 5cm in size generally <0.5cm in a fg to mg sandy matrix, primary texture slightly obliterated due to prevalence of highly irregular, hairline fract's & gashes, massive	105481	458.60	462.00	3.40	46.30	11.80	8.99	5.63	10.90	1.75	0.91	0.55	0.11	0.12	0.06	0.03	0.03	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
			throughout with no evidence of bedding, minor siderite replacement locally abundant, leading contact sharp @38																		

End of Lithology and Assays ;

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RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
3.00	6.00	3.00	0.00	0.00	1.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
6.00	9.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
9.00	12.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
12.00	15.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.15	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.10	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.05	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.10	0.00	3.40	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.15	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.55	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.15	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.65	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.20	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	

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RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
90.00	93.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.15	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.25	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.25	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
177.00	180.00	3.00	0.00	0.00	0.20	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.25	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.10	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.10	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.15	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.20	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.15	0.00	3.18	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>CalculRQP</i>	<i>Pces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			<i>%</i>	<i>%</i>		<i>%</i>	<i>%</i>						
264.00	267.00	3.00	0.00	0.00	0.50	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.10	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.40	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.95	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.35	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.30	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.10	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	2.30	0.00	3.90	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.40	0.00	3.27	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.40	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.15	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.95	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.15	0.00	2.87	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.10	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
342.00	345.00	3.00	0.00	0.00	0.10	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
345.00	348.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
348.00	351.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talRecover	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
351.00	354.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
354.00	357.00	3.00	0.00	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
357.00	360.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
360.00	363.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
363.00	366.00	3.00	0.00	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
366.00	369.00	3.00	0.00	0.00	0.05	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
369.00	372.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
372.00	375.00	3.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
375.00	378.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
378.00	381.00	3.00	0.00	0.00	0.05	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
381.00	384.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
384.00	387.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
387.00	390.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
390.00	393.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
393.00	396.00	3.00	0.00	0.00	0.40	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
396.00	399.00	3.00	0.00	0.00	0.10	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
399.00	402.00	3.00	0.00	0.00	0.15	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
402.00	405.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
405.00	408.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
408.00	411.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
411.00	414.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
414.00	417.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
417.00	420.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
420.00	423.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
423.00	426.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
426.00	429.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
429.00	432.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
432.00	435.00	3.00	0.00	0.00	0.25	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
435.00	438.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcul</i>	<i>RQPces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>						
438.00	441.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
441.00	444.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
444.00	447.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
447.00	450.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
450.00	453.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
453.00	456.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
456.00	459.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
459.00	462.00	3.00	0.00	0.00	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
462.00	465.00	3.00	0.00	0.00	0.00	0.00	2.84	0.00	0.00	0.00	0.00	0.00	
465.00	468.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 155 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
124.90	125.70	chl		
227.30	233.60	chl		
259.40	261.40	chl		

End of Alterations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
2.70	29.10	IF-F			35	0	2	0	2	50	0
29.10	33.60	IF-H			5	0	0	0	30	40	0
33.60	58.40	IF-F			40	0	1	1	0	50	0
58.40	66.90	SLC			5	0	4	1	0	70	0
66.90	104.00	IF-F			40	0	2	1	0	50	0
104.00	124.90	IF-F			30	0	3	0	0	60	0
124.90	125.70	IF-G			0	0	25	2	0	0	0
125.70	212.00	IF-F			30	0	3	0	0	60	0
212.00	227.30	IF-F			20	0	4	1	0	65	0
227.30	233.60	IF-G			15	0	20	1	0	30	0
233.60	308.80	IF-F			35	0	4	0	0	50	0
308.80	314.60	IF-G			10	0	25	0	0	10	0
317.30	318.90	IF-G			10	0	40	4	0	5	0
318.90	327.40	IF-F			30	0	3	0	2	55	0
327.40	329.60	IF-G			5	0	30	0	0	10	0
329.60	349.00	IF-F			25	0	3	0	2	60	0
351.70	434.20	IF-F			30	0	2	0	0	60	0
434.20	435.70	SLC			5	0	2	0	3	80	0
435.70	458.60	IF-F			30	0	2	0	0	60	0

End of Mineralizations ; 19 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
5.00	48.00	S0	banding
19.10	40.00	S0	banding
27.40	20.00	S0	banding
31.40	43.00	S0	banding
33.50	27.00	S1	str chl slip
37.20	40.00	S1	str chl slip
41.10	33.00	S0	banding
49.40	50.00	S0	banding
57.90	50.00	S1	str chl slip
63.80	70.00	Cnt	IFG-IDB
72.50	58.00	S0	banding
84.30	47.00	S0	banding
96.10	27.00	S0	banding
101.50	53.00	S0	banding
102.60	30.00	S0	banding
113.00	25.00	S1	str chl-carb slip
117.50	43.00	S0	banding
120.20	80.00	Cnt	IFF-IDD
120.70	45.00	Cnt	IDD-IFF
121.70	55.00	VQ	20cm QV
129.40	75.00	Cnt	IDD-IFF
129.85	0.00	S1	90 cm HBX
150.90	30.00	S0	banding
154.40	0.00	S1	60 cm HBX
163.10	42.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
167.15	30.00	S1	10 cm HBX
170.10	30.00	S0	banding
174.10	55.00	Cnt	IFF-IDD
175.30	73.00	Cnt	IDD-IFF
186.40	37.00	S0	banding
196.60	52.00	S0	banding
201.20	46.00	S1	str chl slip
208.60	42.00	S0	banding
220.30	33.00	Cnt	IFF-IDB
221.50	32.00	Cnt	IDB-IFF
226.30	35.00	S0	banding
227.40	23.00	S1	str chl-carb slip
237.60	40.00	S0	banding
257.60	38.00	S0	banding
267.30	12.00	S1	str chl slip
270.70	34.00	S0	banding
284.40	68.00	S0	banding
289.30	20.00	S0	banding
302.20	24.00	S0	banding
304.30	20.00	S0	banding
308.80	28.00	Cnt	IFF-IFG
314.60	20.00	Cnt	IFG-IDB
324.30	30.00	S0	banding
329.60	20.00	S1	str chl slip
334.60	25.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
335.30	33.00	Cnt	IFF-IFG
336.90	40.00	Cnt	IFG-IFF
341.10	35.00	S0	banding
360.80	33.00	S0	banding
368.40	37.00	S0	banding
373.20	58.00	S0	banding
385.30	43.00	S0	banding
390.20	34.00	S0	banding
393.80	27.00	Cnt	IFF-IDD
395.60	32.00	Cnt	IDD-IFF
401.20	27.00	S0	banding
405.50	45.00	S0	banding
417.20	25.00	S0	banding
424.40	45.00	S0	banding
436.20	35.00	S0	banding
442.60	43.00	S0	banding
452.60	40.00	S0	banding
456.50	45.00	S0	banding
458.60	38.00	Cnt	IFF-SG

End of Structures ; 69 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Hole: RH-12-30

Easting: 412324.20	Northing: 5334348.80	Elevation: 412.20
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 441.00 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: ORBIT
Started: 03/06/12	Finished: 03/12/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
9.00	172.70	0.00	-43.30		
102.00	188.10	0.00	-43.30		
205.00	208.10	0.00	-41.20		
303.00	234.70	0.00	-38.20		
402.00	120.70	0.00	-35.20		

54.00	177.70	0.00	-42.80		
153.00	204.50	0.00	-42.30		
252.00	208.50	0.00	-40.20		
350.00	223.50	0.00	-37.80		
438.00	231.10	0.00	-36.50		

End of Deviations ; 10 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	0.00	5.00	OVB																		
0	5.00	44.20	IF-F - pale to dark grey, fg banded mag-chert, banded texture typically fairly well preserved only locally disrupted by irregular, hairline predominantly carb fract's, fract's locally concordant to banding, 35% mag - 50% chert - 3% po - 1% py, banding from @25-70 varies due to localized tight folding, 0.5-3.0 thick, darker sections within the chert bands stilp-rich, localized po-rich intervals usually associated with chl, minor minn associated with chert	105482 105483	5.00 9.00	9.00 15.00	4.00 6.00	52.30 48.00	0.50 2.06	39.80 38.30	1.76 2.33	1.35 1.87	0.01 0.07	0.11 0.41	0.02 0.10	0.14 0.18	0.04 0.06	0.01 0.01	0.01 0.01	0.16 0.16	
1	9.70	10.60	IDD - grey, fg intermediate dyke, fg plag-px with minor biot, massive, equigranular, fairly homogeneous in appearance, primary texture well preserved, leading & trailing contact lost in broken core																		
				105484	15.00	21.00	6.00	50.50	0.58	40.10	2.08	1.34	0.03	0.10	0.03	0.16	0.03	0.01	0.01	0.15	
				105485	21.00	27.00	6.00	45.10	0.94	42.40	2.29	1.67	0.05	0.18	0.05	0.19	0.04	0.01	0.01	0.22	
				105486	27.00	33.00	6.00	46.00	0.38	43.10	2.17	1.60	0.03	0.15	0.01	0.16	0.04	0.01	0.01	0.24	
				105487	33.00	39.00	6.00	47.80	0.26	41.20	2.34	1.53	0.02	0.13	0.01	0.15	0.05	0.01	0.01	0.50	
2	38.30	38.50	HBX - 20 cm fine, angular bx with frag's <5mm, cemented by a fg chert, minor chl fract's																		
				105488	39.00	45.00	6.00	43.30	0.70	42.20	1.95	1.25	0.03	0.16	0.03	0.13	0.07	0.01	0.01	0.41	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	44.20	48.90	IF-H - grey to pale brown, fract'd, chert -rich with abundant siderite, mag poor, 2% mag - 70% chert - 20% siderite - 2% po, po as a local fract-filling, abundant irregular, hairline chl fract's throughout, primary texture somewhat obliterated due to fracturing and siderite replacement	105489	45.00	51.00	6.00	45.30	4.60	32.20	3.09	1.20	0.15	0.11	0.21	0.14	0.11	0.02	0.01		3.19
1	47.60	48.90	IDD - grey, intermediate dyke, plag-px, massive, equigranular, homogeneous is appearance, core highly broken due to chl irregular, hairline fract's & tight chl slips, leading contact sharp @37, trailing contact sharp along a str chl slip @42																		
0	48.90	91.50	IF-F - pale to dark grey, fg banded mag-chert, banded texture typically fairly well preserved only locally disrupted by irregular, hairline predominantly chl,siderite fract's, 35% mag - 50% chert - 3% po - 1% py, po as a fract-filling and partial replacemen locally conc in the lower portion of this interval typically associated with chl, banding from @50-60 varies due to localized tight folding, mag bands 0.5-3.0 thick, darker sections within the chert bands stilp-rich, minor minn associated with chert	105490	51.00	57.00	6.00	49.40	6.02	30.00	4.67	3.16	0.53	0.34	0.35	0.27	0.13	0.03	0.02		3.12
1	51.70	53.80	IDD - grey, intermediate dyke, plag-px, massive, equigranular, homogeneous is appearance, abundant white carb hairline fract's & gashes generally @38,																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
			leading contact sharp @80, trailing contact sharp @60																	
2	65.10	67.40		105491	57.00	63.00	6.00	53.30	2.02	32.40	2.38	1.32	0.13	0.41	0.07	0.12	0.10	0.01	0.01	2.07
				105493	63.00	69.00	6.00	49.20	1.80	36.40	2.63	1.26	0.18	0.54	0.06	0.18	0.08	0.02	0.01	0.51
			IF-F - mag bands become highly disrupted with a BX appearance with sub- rounded chert frags within highly irregular mag bands, mag rich in this interval with 55% mag - 40% chert - 1% py in this local interval																	
				105495	69.00	75.00	6.00	56.50	0.41	33.40	2.22	1.22	0.04	0.18	0.02	0.09	0.05	0.01	0.01	0.39
				105497	75.00	81.00	6.00	57.80	0.66	31.10	2.09	1.20	0.04	0.28	0.02	0.14	0.06	0.01	0.01	0.49
				105498	81.00	87.00	6.00	55.70	0.89	29.30	2.17	1.08	0.08	0.31	0.03	0.16	0.06	0.01	0.01	0.41
				105499	87.00	91.50	4.50	48.90	1.50	31.90	2.42	1.31	0.07	0.29	0.05	0.19	0.06	0.02	0.01	0.34
0	91.50	116.70	SLC - pale to dark grey, banded chert- mudstone with only very minor mag bands evident, banding fairly well preserved to locally disrupted by irregular, hairline chl fract's, mudstone bands vfg, well sorted and massive, banding generally @60-70, 3% mag - 45% chert - 3% po as a fract- filling & replacement locally conc in highly chloritic intervals	105500	91.50	96.00	4.50	51.30	2.61	29.10	2.27	1.43	0.03	0.09	0.09	0.12	0.09	0.01	0.01	0.71
				107501	114.00	116.70	2.70	57.80	4.09	20.60	2.14	2.88	0.03	0.76	0.16	0.11	0.30	0.01	0.01	0.99
0	116.70	119.70	IF-F - pale-dark grey, banded mag-chert, mag poor with 20% mag - 55% chert - 4% po - 5% siderite, banding fairly well preserved locally disrupted by irregular, hairline carb- chl fract's, banding generally @60, siderite	107502	116.70	119.70	3.00	56.00	1.46	27.50	1.93	1.93	0.05	0.19	0.06	0.08	0.36	0.01	0.01	1.95

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
0	119.70	123.30	predominantly as a fract-filling, fg po as a fract-filling & replacement becomes highly conc locally in highly chloritic intervals IF-H - grey-pale brown, banded chert-siderite with only very minor mag bands evident, banding fairly well preserved to locally disrupted by irregular, hairline carb-chl fract's, banding generally @40, 3% mag - 45% chert - 25% siderite - 1% po, siderite as bands & irregular, hairline fract's, trailing contact with SAG sharp @30	107503	119.70	126.00	6.30	59.20	3.72	20.80	2.11	3.02	0.04	0.45	0.13	0.06	0.38	0.01	0.01	2.49
0	123.30	126.00	SAG - black, vfg, generally massive with only localized bedding evident @70, somewhat graphitic, very well sorted, 5% fg po - 2% fg py as a fract-filling, irregular, hairline carb-po-py fract's, primary texture very homogeneous in appearance, minor local chert bands																	
0	126.00	131.30	IF-G - grey to dark grey, banded chert - mudstone, with fg po as a mag replacement and fract-filling, becomes near massive locally, locally mg to fg py fract-filling becomes dominant, banding typically fairly disrupted by highly irregular, hairline chl fract's, fracturing locally intense resulting in a coarse bx, 50% chert - 20% po - 4% py																	
0	131.30	137.30	IF-H - grey-pale brown, banded chert-siderite-mudstone, banding fairly well preserved to locally disrupted by irregular, hairline carb fract's, banding generally @80, siderite as massive bands & a fract-filling, banding																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	137.30	140.90	generally 1-5 cm thick, 40% chert - 30% siderite - 3% po, po as a fract-filling and replacement highly conc between 133.1-133.5, trailing contact with IFG sharp @80, IF-G - grey to dark grey, banded chert - mudstone, with fg po as a mag replacement and fract-filling, becomes near massive locally, locally mg to fg py fract-filling becomes dominant, banding typically fairly disrupted by highly irregular, hairline chl fract's & po replacement, 50% chert - 18% po - 6% py, banding where evident generally @60	107504	138.00	144.00	6.00	65.50	2.75	19.40	1.30	1.23	0.04	0.55	0.09	0.05	0.21	0.02	0.01		4.07
0	140.90	144.00	SC - grey, chert-rich interval, massive, highly fract'd with abundant irregular, hairline, carb-chl fract's, minor highly disrupted mudstone beds, 70% chert - 10% siderite, siderite predominantly as a fract-filling, fracturing imparts a coarse bx locally																		
0	144.00	162.60	IF-F - pale-dark grey, banded mag-chert, banding generally well preserved only locally disrupted by by irregular, hairline carb-chl fract's & tight folding, banding varies from 40-65, mag bands generally 1-5cm thick, 40% mag - 40% chert - 10% siderite - 2% po, po as a fract-filling & replacement locally conc in highly chloritic intervals, abundant siderite as a fract-filling & chert replacement	107505 107506 107507	144.00 150.00 156.00	150.00 156.00 162.60	6.00 6.00 6.60	45.90 51.10 43.40	0.77 2.13 3.19	36.20 34.40 37.20	2.79 2.58 3.06	1.72 1.33 1.29	0.09 0.15 0.09	0.24 0.39 0.16	0.03 0.08 0.12	0.17 0.16 0.15	0.07 0.08 0.11	0.01 0.01 0.01	0.01 0.01 0.01	0.33 0.99 1.70	
0	162.60	165.10	IDD - pale grey, fg to mg, plag-px, intermediate dyke, abundant sericite replacement of plag, sericitization results in a bleached	107508	162.60	168.00	5.40	54.50	7.75	15.80	4.25	4.29	0.05	1.23	0.46	0.19	0.13	0.03	0.02		2.78

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	165.10	168.00	appearance, equigranular, massive, fairly homogeneous in appearance, leading contact sharp @75, trailing contact sharp @60 SLC - pale to dark grey, predominantly chert-mudstone, mag-poor grades into an IFF @168.0, banding fairly well preserved to locally somewhat obliterated due to irregular, hairline carb-chl fract's, banding generally @70, only very minor mag in this interval, 2% mag - 65% chert - 5% po - 2% py, po as a fract-filling & a mag replacement locally highly conc																		
0	168.00	169.10	IF-F - pale to dark grey, banded mag-chert-siderite, banding fairly well preserved to locally somewhat obliterated due to abundant irregular carb-chl fract's, banding gnerally @52, 30% mag - 35% chert - 20% siderite, siderite as a prominent chert replacement,	107509	168.00	172.50	4.50	46.80	8.73	18.80	7.47	5.46	0.03	0.64	0.64	0.27	0.13	0.06	0.04	0.11	
0	169.10	172.50	IDD - pale grey, fg to mg, plag-px, intermediate dyke, abundant sericite replacement of plag, sericitization results in a bleached appearance, equigranular, massive, fairly homogeneous in appearance, leading contact sharp @65, trailing contact sharp @55																		
0	172.50	175.90	IF-F - pale to dark grey, banded mag-chert, banding fairly well preserved to locally somewhat disrupted due to abundant local irregular, hairline carb-chl fract's, banding generally @55, 30% mag - 55% chert - 2%	107510	172.50	175.90	3.40	51.30	1.72	31.10	3.07	3.03	0.07	0.21	0.10	0.19	0.09	0.02	0.01	0.67	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
0	175.90	192.90	po - 1% py, fg po & mg-fg py as a local fract-filling IDB - dark greenish-grey, mafic dyke, plag-px, somewhat sericitized, appears more mafic than previous dyke sections, massive, equigranular, locally highly fract'd with white bull qtz-carb fract's & strgr's, very homogeneous in appearance where not fract'd, leading contact sharp @55, trailing contact along a 25cm QV (192.65-192.9) @57	107511	175.90	181.40	5.50	33.50	6.42	20.20	8.75	10.80	0.03	0.03	0.42	0.22	0.18	0.04	0.03	2.57
1	176.60	177.60	SLC - banded chert-mudstone, pale to dark grey, banding generally @42, 2% mag - 35% chert - 2% py, py as a fg fract-filling, highly fract'd between 176.6-177.3 with white carb-bull qtz with a series of strgrs <4cm thick generally @16, qtz-carb somewhat vuggy																	
2	179.20	180.00	HBX - coarse, angular BX as a result of qtz-carb flooding in this interval with a 15cm vuggy white carb-bull qtz @40, with 15% fg to cg py highly conc as 5mm py strgrs @15 from 179.7-179.9																	
1	181.40	182.80	IF-F - localized banded mag-chert, dark-pale grey, 20% mag-40% chert, banding somewhat obliterated generally @40	107512	181.40	184.80	3.40	51.00	6.24	20.90	6.07	4.23	0.03	0.12	0.44	0.22	0.13	0.05	0.03	0.44

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
1	184.50	184.90	IF-F - ocalized banded mag-chert, dark-pale grey, 35% mag-55% chert, banding somewhat obliterated generally @40	107513	184.80	189.00	4.20	44.80	11.00	15.40	10.10	5.25	0.07	0.62	0.77	0.29	0.13	0.08	0.05	0.03
2	192.65	192.90	VQ - 25cm white bullish QV @57 marks contact with SC																	
0	192.90	197.10	SC - pale to dark grey, banded chert- mudstone, banding fairly well preserved locally disrupted by irregular, hairline chl- carb fract's @45, banding generally 3-5cm thick, 55% chert - 30% mudstone, 2% py - 2% po as a fract-filling																	
0	197.10	225.00	SAG - dark grey to black, fg to vfg, fairly massive with only very subtle evidence of bedding @55, equigranular, fairly homogeneous in appearance, highly graphitic initially to 201.5, abundant highly irregular, hairline to 5mm white carb fract's, typically tr to 1% dissem py becomes highly conc between 200.1-201.2																	
2	197.10	201.50	SAG - graphitic																	
1	198.10	199.60	IDD - pale grey, fg, bleached, sericitized, plag-px with plag altered to sericite, massive, equigranular, fairly homogeneous in appearance, 2- 3% vfg dissem py, leading contact sharp @25, trailing																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
2	200.10	201.20	contact @37 PY - highly pyritic with 60% fg py as massive 1-7cm sub-angular to sub-rounded nodules, py appears as a replacement																		
0	229.70	234.60	SC - pale to dark grey, banded chert-mudstone, primary texture fairly well preserved only locally disrupted by irregular, hairline carb-chl fract's, banding generally 55-60, 3% po - 1% py with fg po & mg-fg py as a fract-filling locally conc, leading contact with SAG along a str chl-graph slip @52	107514	231.00	234.60	3.60	57.50	2.76	24.30	2.03	2.45	0.09	0.22	0.09	0.11	0.09	0.02	0.01	1.02	
0	234.60	255.50	IF-F - pale to dark grey, banded chert-mag, banding fairly well preserved to locally somewhat disrupted due to irregular, hairline carb-chl fract's & tight folding, banding generally 30-40, mag bands typically 1-4cm thick, 30% mag - 55% chert - 3% po, po as a fract-filling & replacement becomes conc locally in highly chloritic intervals	107515	234.60	240.00	5.40	55.90	0.92	32.00	1.59	1.50	0.07	0.24	0.03	0.18	0.03	0.01	0.01	0.16	
2	237.80	238.20	HBX - 40 cm bx, angular frags typically to 1 cm, bx results from intense local carb-chl fract's																		
				107516	240.00	246.00	6.00	60.90	0.27	30.90	1.11	1.01	0.04	0.09	0.01	0.18	0.02	0.01	0.01	0.16	
				107517	246.00	252.00	6.00	49.60	0.63	38.30	1.71	1.75	0.08	0.20	0.03	0.20	0.03	0.01	0.01	0.42	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	255.50	258.90	IF-G - po-chl rich interval, 20% fg po as a fract-filling & replacement, po associated with a chl replacement, 20% po - 50% chl - 20% chert - 5% siderite - 1% py, siderite evident locally as massive bands to 5cm, po-chl replacement overprints banded texture, po-chl replaces mag	107518 107519	252.00 258.00	258.00 264.00	6.00 6.00	55.80 53.20	2.89 4.17	28.80 30.60	1.93 2.53	0.63 1.13	0.16 0.11	0.14 0.16	0.10 0.17	0.16 0.14	0.12 0.11	0.01 0.01	0.01 0.01	3.64 3.13	
0	258.90	341.60	IF-F - pale to dark grey, banded chert-mag, banding fairly well preserved to locally somewhat disrupted due to irregular, hairline carb-chl fract's & tight folding, banding generally 30-40, mag bands typically 1-4cm thick, 30% mag - 55% chert - 2% po, po as a fract-filling & replacement becomes conc locally in highly chloritic intervals, narrow, dark stilp rich layers within the chert																		
2	259.90	260.90	HBX - 1m bx, with angular, generally <=1cm mag frags in a chert matrix, bx results from intense chl-carb fracturing																		
2	263.00	267.30	HBX - banded texture highly disrupted and bx throughout, abundant chl-carb fracturing results in a coarse to fine bx locally, 5% siderite as a fract-filling	107520	264.00	270.00	6.00	56.00	3.88	27.30	2.48	2.13	0.47	0.37	0.16	0.19	0.10	0.01	0.01	0.84	
1	267.30	268.40	IDD - pale grey, intermediate dyke, fg																		

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
			plag-px-biot, equigranular, massive, sericitized with plag-px showing sericite replacement resulting in a bleached appearance, minor irregular white carb-chl fract's, leading contact sharp @63, trailing contact sharp @58	107521	270.00	276.00	6.00	61.10	1.04	28.40	2.51	0.63	0.09	0.29	0.04	0.08	0.13	0.01	0.01	1.43
				107523	276.00	282.00	6.00	59.80	2.36	28.50	2.48	0.70	0.09	0.27	0.14	0.13	0.11	0.02	0.01	1.68
				107525	282.00	288.00	6.00	54.90	0.64	35.20	2.88	1.26	0.05	0.24	0.02	0.24	0.11	0.01	0.01	0.30
				107527	288.00	294.00	6.00	56.00	0.57	37.00	2.13	1.13	0.06	0.19	0.02	0.15	0.05	0.01	0.01	0.68
2	288.80	289.10	FLT - 30 cm fine bx associated with a chl FLT @60 in broken core 288.8-288.9, chl cements sub-rounded to sub-angular IF frags <= 1cm in size, 15% fg po as a fract-filling in this interval	107528	294.00	300.00	6.00	45.50	0.19	48.40	2.38	1.56	0.02	0.10	0.01	0.17	0.03	0.01	0.01	0.10
				107529	300.00	306.00	6.00	50.40	0.18	42.60	2.37	1.66	0.01	0.09	0.01	0.16	0.04	0.01	0.01	0.07
				107530	306.00	312.00	6.00	51.10	0.12	42.50	2.45	1.50	0.01	0.08	0.01	0.16	0.03	0.01	0.01	0.11
				107531	312.00	318.00	6.00	41.80	0.16	51.50	1.96	2.13	0.01	0.08	0.01	0.19	0.05	0.01	0.01	0.12
				107532	318.00	324.00	6.00	54.70	0.19	40.50	1.71	0.75	0.01	0.10	0.01	0.17	0.03	0.01	0.01	0.03
				107533	324.00	330.00	6.00	48.80	0.20	47.50	2.05	1.24	0.01	0.11	0.01	0.18	0.04	0.01	0.01	0.05
				107534	330.00	336.00	6.00	46.00	0.08	50.90	1.46	0.68	0.01	0.04	0.01	0.11	0.03	0.01	0.01	0.64
2	330.80	337.10	HBX - mag bands bx and disrupted throughout with angular to sub-angular mag band frags in a chert matrix,	107535	336.00	342.00	6.00	49.40	0.31	42.00	3.29	1.58	0.02	0.16	0.02	0.12	0.17	0.01	0.01	0.95

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>
0	341.60	344.40	IF-G mag frags to 2cm in size, bands abruptly cut-off and displaced by hairline, irregular carb fract's - po-chl rich interval, 25% fg po as a fract-filling & replacement locally highly conc & massive up to 6cm, po associated with a chl replacement, 25% po - 25% chl - 25% chert - 5% mag - 1% py, po-chl replacement overprints banded texture, po-chl replaces mag, abundant greenish minn, fairly fract'd with abundant hairline, irregular chl fract's	107536	342.00	348.00	6.00	54.80	0.51	34.80	3.03	0.88	0.03	0.21	0.03	0.09	0.26	0.01	0.01	3.66
0	344.40	378.20	IF-F - pale to dark grey, banded chert-mag, banding fairly well preserved to locally somewhat disrupted due to irregular, hairline carb-chl fract's & tight folding, banding generally @40-55, mag bands typically 0.5-2cm thick, 35% mag - 45% chert - 2% po, po as a fract-filling & replacement becomes conc locally in highly chloritic intervals, minor narrow, dark stipl rich layers within the chert, greenish minn associated with chert highly abundant initially to 351.0	107537 107538 107539 107540 107541 107542	348.00 354.00 360.00 366.00 372.00 378.00	354.00 360.00 366.00 372.00 378.00 384.00	6.00 6.00 6.00 6.00 6.00 6.00	53.20 52.20 49.50 49.80 46.30 44.50	0.06 0.17 0.16 0.23 0.12 0.10	38.80 42.30 43.70 45.00 46.10 49.20	3.84 2.30 2.91 2.23 1.63 1.68	1.38 1.35 1.14 0.91 2.15 1.34	0.01 0.01 0.01 0.02 0.01 0.04	0.04 0.09 0.08 0.07 0.03 0.01	0.01 0.01 0.01 0.01 0.01 0.01	0.11 0.13 0.10 0.08 0.07 0.08	0.12 0.05 0.10 0.06 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01 0.01	0.06 0.32 0.53 0.27 0.42 1.18
0	378.20	384.80	IF-E - red jasper replaces chert as the mag bands interbeds, red-dark grey, predominantly banded mag-chert, banded texture fairly well preserved, banding generally @50-55 & 0.5-1.0cm thick, mag rich in this interval with 50% mag - 35% jasper - 5% chert - 4% py, fg to mg py as a fract-filling often concordant to banding, py locally highly conc	107543	384.00	390.00	6.00	46.20	0.11	45.30	2.19	2.24	0.01	0.01	0.01	0.06	0.01	0.01	0.01	0.19

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
0	384.80	425.50	IF-F - pale to dark grey, banded chert-mag, banding fairly well preserved only locally somewhat disrupted due to irregular, hairline carb-chl fract's & tight folding, banding generally @50-60, mag bands typically 0.5-2cm thick, 40% mag - 45% chert (jasper) - 2% po, po as a fract-filling & replacement becomes conc locally in highly chloritic intervals, minor narrow, dark stlp rich layers within the chert, jasper evident locally replacing chert as the mag bands interbeds	107544	390.00	396.00	6.00	48.00	4.43	33.30	3.24	3.82	0.85	0.03	0.27	0.17	0.06	0.01	0.02	0.35
1	391.70	392.60	IDD - grey, intermediate dyke, plag-px-biot, fg, homogeneous in appearance, massive, equigranular, minor, irregular, hairline carb fract's, leading contact sharp @48, trailing contact lost in broken core																	
1	398.50	399.40	IF-F - red jasper replaces chert as the mag bands interbeds, 45% jasper - 40% mag in this interval	107545	396.00	402.00	6.00	47.80	0.13	47.40	2.10	1.08	0.01	0.04	0.01	0.08	0.02	0.01	0.01	0.05
				107546	402.00	408.00	6.00	48.70	0.52	45.60	1.90	1.18	0.01	0.11	0.04	0.09	0.02	0.01	0.01	0.11
				107547	408.00	414.00	6.00	52.00	1.19	40.70	2.73	1.32	0.03	0.21	0.06	0.13	0.07	0.01	0.01	0.14
				107548	414.00	420.00	6.00	50.40	0.24	40.20	3.64	1.29	0.01	0.11	0.01	0.09	0.08	0.01	0.01	0.30
				107549	420.00	425.50	5.50	42.90	0.75	36.20	3.10	1.41	0.05	0.16	0.03	0.06	0.12	0.01	0.01	4.64
1	420.40	421.40	IF-G - po-rich interval, IF becomes fairly fract'd with siderite																	

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Lithology and Assays:

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0	425.50	441.00	SM becoming fairly abundant as a fract-filling & replacement, banded texture somewhat obliterated due to fracturing & po replacement, only very minor chl evident, fg po as a fract-filling & mag replacement becoming massive locally, 20% po - 20% mag - 20% chert - 15% siderite - 2 % py - dark to pale grey, fg mudstone, fairly massive with only local evidence of subtle bedding throughout @55, fairly well sorted, local intervals exhibit minor mg lithic frags, initially fairly fract'd to 431.4 with abundant irregular, hairline chl-siderite fract's, 4% cg to fg, euhedral to anhedral py in the fract'd interval locally highly conc, only tr py past fract'd interval, becomes bleached, pale grey due to abundant sericite replacment past 431.4, leading contact sharp @60	107550	425.50	429.00	3.50	56.50	14.30	14.30	3.48	1.08	0.20	2.44	0.70	0.13	0.08	0.03	0.02	1.75

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
6.00	9.00	3.00	0.00	0.00	0.60	0.00	1.47	0.00	0.00	0.00	0.00	0.00	
9.00	12.00	3.00	0.00	0.00	0.40	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
12.00	15.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.05	0.00	2.89	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.10	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.10	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.35	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	1.40	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.90	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.25	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.30	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.10	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.30	0.00	3.30	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.30	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.30	0.00	3.02	0.00	0.00	0.00	0.00	0.00	

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RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
93.00	96.00	3.00	0.00	0.00	0.25	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.10	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.30	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.10	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.15	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.40	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	1.30	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.65	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.25	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.15	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.30	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.40	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.30	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.10	0.00	3.20	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
180.00	183.00	3.00	0.00	0.00	0.80	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.65	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.70	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.95	0.00	2.87	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.10	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	1.80	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.70	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.10	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.30	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.30	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.40	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.20	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.15	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
267.00	270.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.25	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.15	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.50	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.25	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
342.00	345.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
345.00	348.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
348.00	351.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
351.00	354.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talRecover	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
354.00	357.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
357.00	360.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
360.00	363.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
363.00	366.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
366.00	369.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
369.00	372.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
372.00	375.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
375.00	378.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
378.00	381.00	3.00	0.00	0.00	0.05	0.00	2.87	0.00	0.00	0.00	0.00	0.00	
381.00	384.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
384.00	387.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
387.00	390.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
390.00	393.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
393.00	396.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
396.00	399.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
399.00	402.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
402.00	405.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
405.00	408.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
408.00	411.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
411.00	414.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
414.00	417.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
417.00	420.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
420.00	423.00	3.00	0.00	0.00	0.15	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
423.00	426.00	3.00	0.00	0.00	0.10	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
426.00	429.00	3.00	0.00	0.00	0.50	0.00	2.79	0.00	0.00	0.00	0.00	0.00	
429.00	432.00	3.00	0.00	0.00	0.65	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
432.00	435.00	3.00	0.00	0.00	0.00	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
435.00	438.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
438.00	441.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>CalculRQ</i>	<i>Pces<100</i>	<i>talRecove</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				%			%						
End of RQD ;		145 record(s) printed.											

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
162.60	165.10	sericite		
198.10	199.60	sericite		
255.50	258.90	chl		
431.40	441.00	sericite		

End of Alterations ; 4 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
5.00	44.20	IF-F			35	0	3	1	0	50	0
44.20	48.90	IF-H			2	0	2	0	20	70	0
48.90	65.10	IF-F			35	0	3	1	0	50	0
65.10	67.40	IF-E			55	0	0	1	0	40	0
67.40	91.50	IF-F			35	0	3	1	0	50	0
91.50	116.70	SLC			3	0	3	0	0	45	0
116.70	119.70	IF-F			20	0	4	0	5	55	0
126.00	131.30	IF-G			0	0	20	4	0	50	0
131.30	137.30	IF-H			0	0	3	0	30	40	0
137.30	140.90	IF-G			0	0	18	6	0	50	0
140.90	144.00	SC			0	0	0	0	10	70	0
144.00	162.00	IF-F			40	0	2	0	10	40	0
165.10	168.00	SLC			2	0	5	2	0	65	0
168.00	169.10	IF-F			30	0	0	0	20	35	0
172.50	175.90	IF-F			30	0	2	1	0	55	0
181.40	182.80	IF-F			20	0	0	0	0	40	0
184.50	184.90	IF-F			35	0	0	0	0	55	0
200.10	201.20	SAG			0	0	0	60	0	0	0
234.60	255.50	IF-F			30	0	3	0	0	55	0
255.50	258.90	IF-G			0	0	20	1	5	20	0
258.90	275.00	IF-F			30	0	2	0	0	55	0
341.60	344.40	IF-G			5	0	25	1	0	25	0
344.40	378.20	IF-F			35	0	2	0	0	45	0
378.20	384.80	IF-E			50	0	0	4	0	40	0
384.80	425.50	IF-F			40	0	2	0	0	45	0

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
End of Mineralizations ;		25 record(s) printed.									

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
13.10	68.00	S0	banding
22.60	61.00	S0	banding
27.30	45.00	S0	banding
38.40	0.00	S1	20cm HBX
40.50	29.00	S0	banding
43.90	50.00	S0	banding
48.50	52.00	S1	str chl slip
48.90	42.00	S1	str chl slip, marks IDD-IFF contact
59.60	65.00	S1	str chl slip
62.40	40.00	S0	banding
78.10	73.00	S0	banding
89.40	80.00	S0	banding
95.50	60.00	S0	bedding
105.30	67.00	S0	bedding
115.70	60.00	S0	banding
123.30	30.00	Cnt	IFH-SAG
134.70	83.00	S0	banding
137.30	80.00	Cnt	IFH-IFG
138.80	58.00	S0	IFH-IFG
149.00	66.00	S0	banding
158.80	38.00	S0	banding
162.60	75.00	Cnt	IFF-IDD
165.10	60.00	Cnt	IDD-SLC
168.80	52.00	S0	banding
169.10	65.00	Cnt	IFF-IDD

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
175.10	55.00	S0	banding
181.70	40.00	S0	banding
185.40	50.00	S1	str chl slip in ground & broken core
194.30	45.00	S0	banding
229.70	52.00	S1	str chl-graph slip @52, marks SAG-SC contact
231.10	57.00	S0	banding
238.00	0.00	S1	40cm HBX
246.30	40.00	S0	banding
252.30	30.00	S0	banding
259.40	0.00	S1	1m HBX
262.00	13.00	S1	str chl slip
267.30	63.00	Cnt	IFF-IDD
269.50	48.00	Cnt	IDD-IFF
271.80	25.00	Vcc	2cm carb-py strgr
273.10	30.00	S0	banding
280.90	30.00	S0	banding
287.20	40.00	S0	banding
289.95	60.00	Flt	chl FLT @60 with 30cm fine bx
296.00	45.00	S0	banding
305.60	28.00	S0	banding
305.60	28.00	S0	banding
314.00	35.00	S0	banding
314.00	35.00	S0	banding
329.80	55.00	S1	str chl-carb slip @55
333.95	0.00	S1	6.3m HBX

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
337.10	57.00	S0	banding
348.20	53.00	S0	banding
354.60	45.00	S0	banding
363.20	40.00	S0	banding
369.90	75.00	S0	banding
380.50	54.00	S0	banding
391.70	48.00	Cnt	IFF-IDD
398.10	60.00	S0	banding
405.40	60.00	S0	banding
416.90	50.00	S0	banding
424.00	64.00	S0	banding
425.50	60.00	Cnt	IFF-SM
440.30	55.00	S0	bedding

End of Structures ; 63 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Hole: RH-12-31

Easting: 412325.60	Northing: 5334442.00	Elevation: 407.00
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -70.00	Length: 576.00 m.
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 03/12/12	Finished: 03/22/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
24.00	88.50	0.00	-69.20		
105.00	296.60	0.00	-67.50		
200.00	225.90	0.00	-66.90		
300.00	232.40	0.00	-66.40		
400.00	23.30	0.00	-64.60		
501.00	225.40	0.00	-61.50		

50.00	95.20	0.00	-69.00		
150.00	198.40	0.00	-67.30		
252.00	275.60	0.00	-67.40		
350.00	26.50	0.00	-65.20		
450.00	242.50	0.00	-63.80		
576.00	244.50	0.00	-56.90		

End of Deviations ; 12 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	12.60	OVB																		
0	12.60	17.50	IF-F - dark to pale grey, banded mag-chert, typical banded texture somewhat disrupted by abundant irregular, hairline carb-chl fract's, banding generally @55-65 and 0.5-1.0cm thick, 30% mag - 35% chert - 15% siderite, siderite as a chert replacement & fract-filling, minor dark-grey stilp rich layers within the chert typically <2mm thick	107551	12.60	18.00	5.40	49.10	0.96	36.50	1.81	1.07	0.18	0.03	0.05	0.11	0.06	0.01	0.01	0.72	
0	17.50	21.50	IF-H - pale brown to grey siderite-rich interval, primary banded texture fairly obliterated by siderite replacement and abundant hairline, irregular carb-chl fract's, mag-poor with 10% mag - 35% chert - 40% siderite, siderite dominates as a fract-filling & chert replacement, fracturing locally intense resulting in a local fract induced BX, abundant dark grey, stilp rich layers alternating with narrow siderite layers	107553	18.00	21.50	3.50	66.50	0.56	21.90	1.29	0.34	0.01	0.02	0.02	0.04	0.07	0.01	0.01	1.79	
0	21.50	24.40	IDD - pale greenish-grey, predominantly mg plag-px-qtz, massive, equigranular, minor irregular, hairline to 5mm, white carb fract's locally intense, leading contact sharp @40, trailing contact along a str chl-sid slip @35	107555	21.50	24.40	2.90	44.90	7.21	16.20	7.41	7.00	1.47	0.22	0.46	0.18	0.13	0.07	0.03	0.61	
1	23.10	23.80	IF-F - local IFF interval, banded mag-chert, 20% mag - 60% chert in this interval																		
0	24.40	39.00	IF-E - pale to dark grey, banded mag-chert, primary banded texture fairly well	107557 107558 107559	24.40 30.00 36.00	30.00 36.00 42.00	5.60 6.00 6.00	39.60 44.30 64.00	0.26 0.64 0.65	45.50 43.30 26.20	1.96 2.08 1.41	0.89 1.21 0.72	0.01 0.02 0.04	0.03 0.09 0.15	0.01 0.04 0.03	0.11 0.12 0.08	0.04 0.04 0.05	0.01 0.01 0.01	0.01 0.01 0.01	0.24 0.11 2.03	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			preserved to locally disrupted by irregular, hairline carb-chl fract's, mag rich with 50% mag - 35% chert - 10% siderite - 2% po, siderite as a fract-filling or disrupted massive bands conc intially to 27.0, po as mag replacement becomes highly conc locally from 37.10-37.25, banding generally @35-40 with mag bands typically 0.5-2cm thick																		
0	39.00	54.90	IF-F - dark to pale grey, banded mag-chert, typical banded texture fairly well preserved locally disrupted by irregular, hairline carb-chl fract's & tight folding, banding generally @30-40 and 1.0-4.0cm thick, 30% mag - 50% chert - 10% siderite - 3% po - 2% py, siderite predominantly as a fract-filling only locally massive, minor dark-grey stlp rich layers within the chert typically <2mm thick, po-py as a fract-filling locally conc & local mag replacement	107560 107561 107562	42.00 48.00 51.00	48.00 51.00 54.90	6.00 3.00 3.90	66.00 45.00 43.00	0.83 0.11 0.33	23.00 44.40 43.90	1.42 1.58 1.79	0.48 1.29 1.45	0.06 0.01 0.02	0.18 0.04 0.10	0.03 0.01 0.01	0.04 0.09 0.11	0.06 0.02 0.04	0.01 0.01 0.01	0.01 0.01 0.01	1.78 0.17 0.18	
0	54.90	77.60	IDD - grey to dark grey, fg to locally mg, plag-px-qtz-biot, equigranular, massive, fairly homogeneous in appearance, abundant secondary carb as reacts vigourously HCl, leading contact sharp @30, trailing contact lost in broken core	107563 107564	54.90 57.00	57.00 60.00	2.10 3.00	45.30 46.30	12.50 10.60	13.20 14.60	7.42 6.69	7.11 8.00	0.44 0.07	1.27 0.95	0.66 0.58	0.29 0.26	0.12 0.12	0.05 0.05	0.04 0.04	0.03 0.03	
1	57.90	58.60	IF-F - local IF unit, fract'd chert-mag with primary banded texture fairly disrupted by abundant irregular, hairline carb-chl fract's, 30% mag - 50% chert - 2% po, fg po as a local mag replacement locally conc																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
3	63.00	63.10	- highly ground core, no evidence of significant structure																		
1	69.60	70.90	IF-E - local IF unit, fract'd chert-mag with primary banded tecture fairly disrupted by abundant irregular, hairline carb-chl fract's, mag-rich with 55% mag - 35% chert - 1% py, fg py as a local fract-filling, leading contact with IDD sharp @37, trailing contact lost in broken core	107565	69.60	72.00	2.40	51.90	4.74	27.80	4.02	3.66	0.31	0.16	0.25	0.15	0.09	0.03	0.02	0.28	
3	74.30	74.50	- ground & broken core, no evidence of significant structure	107566	72.00	77.70	5.70	43.30	11.10	11.20	9.43	8.35	1.79	0.08	0.66	0.26	0.14	0.08	0.05	0.03	
0	77.60	103.80	IF-F - pale to dark grey, banded mag-chert, primary banded texture typically somewhat obliterated due to irregular, hairline crb-chl fract's & tight locl folding, banding generally @45-55 & 0.5-2cm thick, 30% mag - 45% chert - 15% siderite - 1% po, pale brown siderite as a fract-filling with minor, local massive bands as a mag replavement, minor dark-grey stilp-rich layers within the chert	107567	77.70	81.20	3.50	46.10	6.80	34.20	4.06	2.39	0.70	0.06	0.37	0.24	0.10	0.03	0.02		
1	79.10	81.20	IDD - dark grey, intermediate dyke, predominantly mg, plag-px-qtz-biot, massive equigranular, patchy oxidation throughout interval, leading contact lost in broken core, trailing contact																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
			along a str chl slip @37																	
				107568	81.20	87.00	5.80	54.80	0.56	33.70	1.70	1.13	0.04	0.14	0.02	0.07	0.06	0.01	0.01	0.85
				107569	87.00	93.00	6.00	47.40	0.23	42.00	1.73	1.04	0.02	0.07	0.01	0.11	0.03	0.01	0.01	0.14
				107570	93.00	99.00	6.00	55.00	0.19	35.10	1.64	0.88	0.01	0.04	0.01	0.08	0.05	0.01	0.01	0.33
				107571	99.00	105.00	6.00	61.80	1.79	23.10	1.96	0.90	0.08	0.11	0.09	0.06	0.08	0.01	0.01	0.87
2	101.70	102.50	HBX - local interval of intense irregular, hairline chl-carb fract's results in a slight, coarse bx with angular mag frags to 2cm though generally <0.5cm																	
0	103.80	110.00	IF-H - siderite-rich, mag-poor interval, predominantly pale grey to pale brown, primary banded texture somewhat obliterated by abundant, irregular, hairline carb-chl fract's, intense fracturing results in a moderate, coarse BX throughout with sub-angular to angular frags to 2cm though generally 5mm, 5% mag - 50% chert - 30% siderite - 1% py, siderite as massive disrupted bands & abundant fract-filling	107572	105.00	111.00	6.00	74.70	0.90	16.10	1.23	0.32	0.01	0.07	0.04	0.03	0.06	0.02	0.01	0.81
0	110.00	224.00	IF-F - pale to dark grey, banded mag-chert, primary banded texture fairly well preserved to locally somewhat disrupted due to localized abundant irregular, hairline carb-chl fract's and tight localized folding, banding generally @35-55 & 1-5cm thick, 35% mag - 50% chert - 3% siderite - 1% po, fg po as a localized fract-filling, siderite predominantly as a fract-filling conc initially	107573	111.00	117.00	6.00	63.30	0.61	25.30	1.87	0.65	0.04	0.19	0.02	0.05	0.08	0.01	0.01	0.83

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>		
								<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>		
2	114.00	119.00	HBX - local interval of intense irregular, hairline chl-carb fract's results in a slight, coarse BX with angular mag or chert frags to 2cm though generally <0.5cm	107574	117.00	123.00	6.00	45.60	0.54	43.00	1.97	1.05	0.02	0.14	0.02	0.08	0.06	0.01	0.01	0.01	0.25	
				107575	123.00	129.00	6.00	49.60	0.08	42.80	1.93	1.24	0.01	0.05	0.01	0.12	0.03	0.01	0.01	0.01	0.01	0.47
				107576	129.00	135.00	6.00	46.30	0.08	45.70	1.78	1.29	0.01	0.05	0.01	0.12	0.03	0.01	0.01	0.01	0.01	0.21
				107577	135.00	141.00	6.00	43.80	0.91	48.90	1.82	1.46	0.01	0.22	0.04	0.15	0.03	0.01	0.01	0.01	0.01	0.10
				107578	141.00	147.00	6.00	44.00	0.79	44.20	1.96	1.65	0.03	0.14	0.05	0.13	0.03	0.01	0.01	0.01	0.01	0.12
				107579	147.00	153.00	6.00	49.60	0.65	37.20	1.90	1.27	0.05	0.21	0.01	0.10	0.07	0.01	0.01	0.01	0.01	0.57
2	151.90	156.00	HBX - local interval of intense irregular, hairline chl-carb fract's results in a moderate, fine to coarse BX with angular to sub-angular mag & chert frags to 2cm though generally <1cm	107580	153.00	159.00	6.00	52.60	0.67	35.70	1.60	1.31	0.05	0.20	0.01	0.09	0.05	0.01	0.01	0.01	0.30	
				107581	159.00	165.00	6.00	52.40	1.53	35.30	1.89	1.30	0.08	0.24	0.05	0.11	0.06	0.01	0.01	0.01	0.01	0.16
				107583	165.00	171.00	6.00	51.80	0.52	40.80	1.73	1.21	0.03	0.18	0.02	0.13	0.05	0.01	0.01	0.01	0.01	0.38
				107585	171.00	177.00	6.00	50.00	0.20	41.50	2.25	1.62	0.01	0.12	0.01	0.12	0.08	0.01	0.01	0.01	0.01	0.41
				107587	177.00	183.00	6.00	52.00	0.53	39.10	2.23	1.36	0.03	0.25	0.02	0.15	0.07	0.01	0.01	0.01	0.01	0.38
				107588	183.00	189.00	6.00	54.00	0.13	37.30	2.62	1.14	0.01	0.09	0.01	0.05	0.09	0.01	0.01	0.01	0.01	0.74
				107589	189.00	195.00	6.00	62.00	1.07	28.30	2.14	0.63	0.10	0.35	0.05	0.09	0.08	0.01	0.01	0.01	0.01	1.47
				107590	195.00	201.00	6.00	64.20	0.86	25.40	1.99	0.68	0.08	0.31	0.03	0.07	0.09	0.01	0.01	0.01	0.01	1.43
				107591	201.00	207.00	6.00	64.40	0.65	25.70	1.97	0.60	0.07	0.26	0.03	0.05	0.07	0.02	0.01	0.01	0.01	0.66
				107592	207.00	213.00	6.00	56.40	0.25	29.90	2.64	1.07	0.02	0.06	0.01	0.05	0.09	0.01	0.01	0.01	0.01	0.74
				107593	213.00	219.00	6.00	63.70	0.46	25.70	2.11	0.72	0.02	0.12	0.03	0.06	0.08	0.01	0.01	0.01	0.01	1.00

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>		
								%	%	%	%	%	%	%	%	%	%	%	%	%	%	
1	216.70	216.90	IF-G - po-py-chl rich interval, highly fract'd with abundant chl fract-filling, 15% fg po - 10% fg py, po-py as a fract-filling and semi-massive replacement																			
				107594	219.00	225.00	6.00	59.80	0.52	31.00	2.22	0.66	0.04	0.20	0.02	0.05	0.08	0.01	0.01	0.01	0.64	
1	222.50	222.80	IF-G - po-chl rich interval, highly fract'd with abundant chl fract-filling, 25% fg po as a replacement & fract-filling becomes massive locally																			
0	224.00	360.00	IF-F - pale to dark grey, banded mag-chert, primary banded texture fairly well preserved with only local disruptions by local tight folding & irregular, hairline carb-chl fract's, banding typically @25-35 & 1-4cm thick, 30% mag - 55% chert - 3% siderite - 3% po, siderite predominantly as a local fract-filling locally abundant, fg po as a fract-filling and replacement typically associated with chl, minor dark-grey stilp rich layers with the chert, often as uniform, 1mm thick bands concordant to bedding giving chert a striped appearance, minor greenish minn with chert	107595 107596	225.00 231.00	231.00 237.00	6.00 6.00	56.60 48.90	1.87 0.48	30.40 38.70	2.81 2.99	1.90 1.32	0.05 0.04	0.37 0.25	0.10 0.03	0.09 0.05	0.08 0.11	0.01 0.01	0.01 0.01	0.01 0.01	0.09 0.50	
2	231.10	231.70	HBX - highly fract'd interval with abundant siderite replacement and fract-filling resulting in a fine to coarse BX with predominantly sub-angular mag frags generally 0.5-																			

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			2.0cm in size																		
				107597	237.00	243.00	6.00	45.90	0.52	41.30	3.33	1.38	0.05	0.25	0.02	0.07	0.13	0.01	0.01	0.38	
				107598	243.00	249.00	6.00	46.20	0.41	42.40	3.21	1.27	0.03	0.20	0.02	0.04	0.11	0.01	0.01	0.23	
				107599	249.00	255.00	6.00	45.60	0.75	39.90	3.03	1.40	0.04	0.19	0.04	0.05	0.13	0.01	0.01	0.63	
				107600	255.00	261.00	6.00	53.10	2.56	33.60	1.96	0.69	0.13	0.44	0.10	0.11	0.06	0.01	0.01	1.57	
1	255.80	256.20	IF-G - po-chl rich interval, highly fract'd with abundant chl fract-filling & replacement, 30% fg po as a replacement & fract-filling, becomes massive locally																		
				107601	261.00	267.00	6.00	46.70	0.31	43.50	2.03	0.94	0.01	0.11	0.01	0.13	0.05	0.01	0.01	0.28	
2	261.50	262.30	HBX - highly fract'd interval with abundant siderite replacement and fract-filling resulting in a moderate, fine to coarse BX with predominantly sub-angular mag frags generally 0.5-1.0cm in size																		
				107602	267.00	273.00	6.00	44.20	0.06	49.60	1.93	1.36	0.01	0.05	0.01	0.15	0.02	0.01	0.01	0.03	
				107603	273.00	279.00	6.00	44.20	0.15	46.50	1.86	1.08	0.01	0.08	0.01	0.11	0.02	0.01	0.01	0.13	
				107604	279.00	285.00	6.00	48.30	0.84	38.40	2.14	1.40	0.01	0.08	0.06	0.11	0.06	0.01	0.01	0.71	
1	282.00	283.40	IF-H - pale greyish-brown, localized siderite-rich interval, intensely fract'd with abundant irregular, hairline carb fract's results in a weak bx throughout, with angular to sub-angular mag frags typically 1-2cm in size, 10%																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>
								%	%	%	%	%	%	%	%	%	%	%	%	%
2	287.20	287.90	mag - 30% siderite - 45% chert - 3% po, siderite appears massive and as a dominant fract-filling, primary banded texture fairly obliterated due to intense fracturing throughout, fg po predominantly as a fract-filling	107605	285.00	291.00	6.00	46.60	0.17	45.20	1.60	0.64	0.01	0.07	0.01	0.10	0.02	0.01	0.01	0.10
			HBX - highly fract'd interval with abundant siderite replacement and fract-filling resulting in a 70cm moderate, fine to medium BX with sub-angular mag frags to 1 cm.	107606	291.00	297.00	6.00	46.10	0.08	49.80	1.73	0.54	0.01	0.05	0.01	0.09	0.03	0.01	0.01	0.29
1	297.30	297.34	IF-G - 4 cm fg po band @27, minor fg py with po, complete replacement of a mag band	107607	297.00	303.00	6.00	44.30	0.16	51.30	1.73	0.89	0.01	0.06	0.01	0.11	0.02	0.01	0.01	0.57
				107608	303.00	309.00	6.00	48.10	0.26	48.50	1.39	0.59	0.01	0.07	0.01	0.11	0.01	0.01	0.01	0.08
				107609	309.00	315.00	6.00	46.40	0.14	49.10	1.67	1.08	0.01	0.09	0.01	0.13	0.03	0.01	0.01	0.07
				107610	315.00	321.00	6.00	52.70	0.20	40.90	1.61	0.88	0.02	0.09	0.01	0.12	0.04	0.01	0.01	0.27
1	321.20	321.40	IF-F - local po-py rich interval with 60% fg po & 7% fg py in a near complete replacement of a mag band	107611	321.00	327.00	6.00	50.60	0.86	40.10	2.02	1.17	0.04	0.21	0.03	0.13	0.06	0.01	0.01	1.08

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	360.00	413.00	IF-F - pale to dark grey, banded mag-chert, primary banded texture fairly well preserved with only local disruptions pale to dark grey, banded chert-mag with primary texture fairly well preserved only locally disrupted by local tight folding & irregular, hairline carb-chl fract's, banding typically @45-55 & 1-3cm thick, 35% mag - 55% chert - 2% po - 2% siderite, siderite predominantly as a local fract- filling, fg po typically as a local fract-filling typically associated with chl, minor dark- grey stilp rich layers with the chert, minor greenish minn with chert	107613	327.00	333.00	6.00	49.40	1.09	39.40	2.08	1.27	0.14	0.45	0.04	0.16	0.08	0.01	0.01	0.01	0.49
				107615	333.00	339.00	6.00	48.80	1.57	38.70	2.07	1.23	0.15	0.47	0.06	0.14	0.06	0.01	0.01	0.01	0.74
				107617	339.00	345.00	6.00	51.20	1.09	38.80	2.05	0.97	0.09	0.34	0.04	0.14	0.06	0.01	0.01	0.01	0.80
				107618	345.00	351.00	6.00	50.90	0.66	38.50	1.85	1.26	0.06	0.22	0.03	0.12	0.07	0.01	0.01	0.01	1.19
				107619	351.00	357.00	6.00	43.70	0.08	51.00	2.33	1.20	0.01	0.06	0.01	0.13	0.02	0.01	0.01	0.01	0.09
				107620	357.00	363.00	6.00	48.10	0.66	43.60	2.49	0.95	0.01	0.10	0.03	0.10	0.05	0.01	0.01	0.01	1.19
				107621	363.00	369.00	6.00	44.20	0.07	48.80	2.10	0.86	0.01	0.04	0.01	0.09	0.03	0.01	0.01	0.01	0.15
				107622	369.00	375.00	6.00	53.40	0.51	39.80	1.76	0.78	0.01	0.09	0.03	0.09	0.05	0.01	0.01	0.01	0.65
				107623	375.00	381.00	6.00	46.60	0.08	45.30	2.16	0.89	0.01	0.05	0.01	0.13	0.05	0.01	0.01	0.01	0.16
				107624	381.00	387.00	6.00	47.50	0.09	38.80	2.67	0.90	0.01	0.04	0.01	0.07	0.07	0.01	0.01	0.01	0.14
2	384.30	385.50	HBX - fract'd interval resulting in a moderate BX throughout with sub-angular frags typically <=1cm in size, abundant siderite filling throughout	107625	387.00	393.00	6.00	45.50	0.09	47.00	1.80	0.76	0.01	0.05	0.01	0.11	0.04	0.01	0.01	0.06	
				107626	393.00	399.00	6.00	48.20	0.23	42.60	1.84	1.20	0.02	0.07	0.02	0.13	0.04	0.01	0.01	0.20	
				107627	399.00	405.00	6.00	47.90	0.06	48.50	1.61	0.69	0.01	0.04	0.01	0.12	0.03	0.01	0.01	0.03	
				107628	405.00	411.00	6.00	41.70	0.05	53.00	1.31	0.60	0.01	0.03	0.01	0.11	0.02	0.01	0.01	0.01	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S
								%	%	%	%	%	%	%	%	%	%	%	%	%
0	413.00	482.30	IF-F - pale to dark grey, primary banded texture fairly disrupted throughout due primarily to irregular, hairline carb-chl filled fract's, banding only evident locally, appears bx locally with wispy mag frags from 1-5cm, 30% mag - 60% chert - 3% po - 1% py, po as a replacement & fract-filling typically conc in chl intervals	107629	411.00	417.00	6.00	47.00	0.03	46.30	1.71	0.82	0.01	0.03	0.01	0.11	0.02	0.01	0.01	0.03
				107630	417.00	423.00	6.00	49.60	2.53	36.80	2.68	1.60	0.04	0.10	0.11	0.16	0.05	0.01	0.01	0.01
3	422.10	422.15	- local highly ground core, no evidence of significant structure																	
				107631	423.00	429.00	6.00	50.60	0.45	37.40	1.99	1.04	0.05	0.20	0.02	0.12	0.06	0.01	0.01	0.13
				107632	429.00	435.00	6.00	63.50	0.81	25.70	1.73	0.82	0.04	0.12	0.04	0.05	0.07	0.01	0.01	0.13
				107633	435.00	441.00	6.00	59.30	0.46	30.20	2.00	0.93	0.06	0.19	0.02	0.04	0.08	0.01	0.01	0.82
				107634	441.00	447.00	6.00	49.20	2.37	40.80	2.42	0.88	0.04	0.10	0.09	0.06	0.05	0.01	0.01	1.36
1	441.30	441.80	IF-F - almost complete replacement by chl in this interval, does not coincide with the po-rich interval																	
1	441.80	442.50	IF-G - po- rich interval with 35% fg po as a complete mag replacement & fract-filling, becomes massive locally, 35% po - 50% chert in this interval																	
				107635	447.00	453.00	6.00	49.70	0.25	40.00	2.63	1.24	0.04	0.12	0.01	0.05	0.06	0.01	0.01	0.61
				107636	453.00	459.00	6.00	47.20	0.53	44.70	2.96	1.13	0.05	0.19	0.02	0.05	0.06	0.01	0.01	1.17
1	458.10	458.70	IF-G - local py-rich interval with 15%																	

*Satellite database created from Rogue-**RadioHill** DDH2011.accdb*

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
			fg po as a fract-filling & partial mag replacement, only a minor chl association with this po-rich interval																		
2	462.50	465.00	HBX - 2.5m of fine to moderate BX, abundant chl fracturing results in a bx with sub-rounded to sub-angular mag frags generally <1cm in size, no evidence of significant structure	107637	459.00	465.00	6.00	58.40	0.56	34.50	2.28	0.61	0.05	0.22	0.03	0.04	0.05	0.01	0.01	0.58	
				107638	465.00	471.00	6.00	49.10	0.64	37.30	2.09	1.52	0.10	0.28	0.02	0.09	0.07	0.01	0.01	0.13	
				107639	471.00	477.00	6.00	43.90	1.16	45.50	1.83	1.77	0.14	0.43	0.03	0.12	0.05	0.01	0.01	0.07	
				107640	477.00	482.30	5.30	44.20	0.56	45.30	1.70	2.01	0.07	0.23	0.01	0.17	0.05	0.01	0.01	0.08	
0	482.30	486.40	IDD - grey, intermediate dyke, fg to locally mg, equigranular, massive, predominantly plag-px with minor black biot flakes, fairly homogeneous in appearance, minor irregular, hairline white carb fract's, leading contact sharp @75, trailing contact sharp @40	107641	482.30	486.40	4.10	60.10	14.30	8.46	3.24	3.03	3.06	1.40	0.66	0.32	0.05	0.02	0.02	0.03	
0	486.40	559.70	IF-F - pale to dark grey, banded mag-chert, primary banded texture fairly well preserved, mag bands typically 1-3cm thick, and generally @25-35, 35% mag - 55% chert - 1% po, po as a very localized fract-filling, minor irregular, hairline carb fract's only results in localized small scale disruptions of the banded texture, minor minn locally associated with chert	107643	486.40	492.00	5.60	49.80	0.35	42.20	1.84	1.52	0.01	0.09	0.01	0.17	0.05	0.01	0.01	0.08	
				107645	492.00	498.00	6.00	54.50	0.19	39.50	1.73	1.00	0.02	0.08	0.01	0.16	0.04	0.01	0.01	0.03	
				107647	498.00	504.00	6.00	54.30	0.28	39.20	1.71	1.16	0.02	0.12	0.01	0.15	0.04	0.01	0.01	0.07	
				107648	504.00	510.00	6.00	46.20	0.63	47.40	1.97	1.20	0.03	0.17	0.03	0.15	0.04	0.01	0.01	0.18	
				107649	510.00	516.00	6.00	53.90	0.94	37.50	1.83	0.98	0.10	0.34	0.03	0.13	0.07	0.01	0.01	0.51	
				107650	516.00	522.00	6.00	43.00	0.26	50.80	1.75	1.05	0.03	0.13	0.01	0.16	0.05	0.01	0.01	0.07	
				107651	522.00	528.00	6.00	50.00	0.30	42.70	1.69	0.87	0.04	0.12	0.01	0.14	0.05	0.01	0.01	0.39	
				107652	528.00	534.00	6.00	45.10	0.16	50.50	1.24	0.72	0.01	0.06	0.01	0.11	0.02	0.01	0.01	0.03	
				107653	534.00	540.00	6.00	46.30	0.10	50.60	1.14	0.54	0.01	0.05	0.01	0.11	0.02	0.01	0.01	0.03	
				107654	540.00	546.00	6.00	45.40	0.09	50.90	1.67	0.78	0.01	0.05	0.01	0.11	0.03	0.01	0.01	0.06	
				107655	546.00	552.00	6.00	49.10	0.32	43.80	2.01	0.72	0.03	0.09	0.02	0.09	0.06	0.01	0.01	1.56	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
1	547.50	547.90	IF-G - local po rich interval with 70% fg po as a complete mag replacement & fract-filling, po predominantly massive, 3% fg py as a fract-filling locally conc, 70% po - 3% py - 15% chert	107656	552.00	555.00	3.00	46.50	0.17	46.80	1.93	1.33	0.01	0.06	0.03	0.10	0.06	0.01	0.01	0.01	0.19
				107657	555.00	559.70	4.70	51.50	0.27	38.80	2.35	1.00	0.01	0.09	0.01	0.07	0.04	0.02	0.01		
0	559.70	568.80	SM - dark grey, vfg to fg, well sorted, finely bedded, bedding @25-40, 3% fg po & 2% mg to fg py primarily as a fract-filling with 1-3mm hairline po-py strgrs concordant to bedding, leading contact with IFF sharp @35																		
0	568.80	575.00	SG - grey to pale grey, sandy fg to locally mg, fairly massive with only local evidence of bedding, bedding generally @40, locally sericitized, moderately well sorted, minor hairline to 5mm carb fract's generally @50																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
15.00	18.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.30	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.10	0.00	3.24	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.55	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	1.20	0.00	3.63	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.70	0.00	3.30	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.65	0.00	3.39	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	1.10	0.00	3.25	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.85	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	1.15	0.00	2.55	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.10	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.15	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.40	0.00	2.99	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcul</i>	<i>RQPces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			%		%								
102.00	105.00	3.00	0.00	0.00	0.30	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.15	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.50	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.15	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.15	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.00	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.30	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.15	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
189.00	192.00	3.00	0.00	0.00	0.10	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.30	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.20	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.10	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.25	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.25	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
276.00	279.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.10	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
342.00	345.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
345.00	348.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
348.00	351.00	3.00	0.00	0.00	0.20	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
351.00	354.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
354.00	357.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
357.00	360.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
360.00	363.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
363.00	366.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
366.00	369.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
369.00	372.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
372.00	375.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
375.00	378.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
378.00	381.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
381.00	384.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
384.00	387.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
387.00	390.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
390.00	393.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
393.00	396.00	3.00	0.00	0.00	0.00	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
396.00	399.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
399.00	402.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
402.00	405.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
405.00	408.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
408.00	411.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
411.00	414.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
414.00	417.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
417.00	420.00	3.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
420.00	423.00	3.00	0.00	0.00	0.20	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
423.00	426.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
426.00	429.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
429.00	432.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
432.00	435.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
435.00	438.00	3.00	0.00	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	0.00	
438.00	441.00	3.00	0.00	0.00	0.10	0.00	3.22	0.00	0.00	0.00	0.00	0.00	
441.00	444.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
444.00	447.00	3.00	0.00	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00	0.00	
447.00	450.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talRecover	Recovery	Fractures	acts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
450.00	453.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
453.00	456.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
456.00	459.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
459.00	462.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
462.00	465.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
465.00	468.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
468.00	471.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
471.00	474.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
474.00	477.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
477.00	480.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
480.00	483.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
483.00	486.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
486.00	489.00	3.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
489.00	492.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
492.00	495.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
495.00	498.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
498.00	501.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
501.00	504.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
504.00	507.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
507.00	510.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
510.00	513.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
513.00	516.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
516.00	519.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
519.00	522.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
522.00	525.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
525.00	528.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
528.00	531.00	3.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
531.00	534.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
534.00	537.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>%ces>100</i>	<i>CalculRQ</i>	<i>%ces<100</i>	<i>talRecover</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
			<i>%</i>		<i>%</i>								
537.00	540.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
540.00	543.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
543.00	546.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
546.00	549.00	3.00	0.00	0.00	0.00	0.00	2.87	0.00	0.00	0.00	0.00	0.00	
549.00	552.00	3.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
552.00	555.00	3.00	0.00	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00	
555.00	558.00	3.00	0.00	0.00	0.25	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
558.00	561.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
561.00	564.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
564.00	567.00	3.00	0.00	0.00	0.25	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
567.00	570.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
570.00	573.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
573.00	576.00	3.00	0.00	0.00	0.20	0.00	2.92	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 187 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
54.90	57.90	carb		
58.60	69.60	carb		
75.40	75.48	8 cm oxidized band @60		
79.10	81.20	oxidation		
441.30	441.80	chl		

End of Alterations ; 5 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
12.60	17.50	IF-F			30	0	0	0	15	35	0
17.50	21.50	IF-H			10	0	0	0	40	35	0
24.40	39.00	IF-E			50	0	2	0	10	35	0
39.00	54.90	IF-F			30	0	3	2	10	50	0
57.90	58.60	IF-F			30	0	2	0	0	50	0
69.60	70.90	IF-E			55	0	0	1	0	35	0
77.60	103.80	IF-F			30	0	1	0	15	45	0
103.80	110.00	IF-H			5	0	0	1	30	50	0
110.00	224.00	IF-F			35	0	1	0	3	50	0
224.00	282.00	IF-F			30	0	3	0	3	55	0
282.00	283.40	IF-H			10	0	3	0	30	45	0
283.40	360.00	IF-F			30	0	3	0	3	55	0
360.00	413.00	IF-F			35	0	2	0	2	55	0
413.00	441.80	IF-F			30	0	3	1	0	60	0
441.80	442.50	IF-G			0	0	35	0	0	50	0
442.50	482.30	IF-F			30	0	3	1	0	60	0
486.40	547.50	IF-F			35	0	1	0	0	55	0
547.50	547.90	IF-G			0	0	70	3	0	15	0
547.90	559.70	IF-F			35	0	1	0	0	55	0

End of Mineralizations ; 19 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
14.70	58.00	S0	banding
21.50	40.00	Cnt	IFH-IDD
34.60	30.00	S0	banding
34.70	35.00	S0	banding
54.00	40.00	S0	banding
62.30	21.00	S1	str chl slip in broken core
69.60	37.00	Cnt	IDD-IFF
81.20	37.00	Cnt	IDD-IFF along a str chl slip @37
85.70	47.00	S0	banding
91.40	57.00	S0	banding
101.80	45.00	S1	str chl slip
102.10	0.00	S1	80cm HBX
102.90	45.00	S0	banding
116.50	0.00	S1	5.0m HBX
118.40	57.00	S1	str chl slip
119.50	42.00	S0	banding
125.20	57.00	S0	banding
134.30	35.00	S0	banding
141.20	20.00	S0	banding
149.10	35.00	S1	str chl slip
150.70	47.00	S0	banding
154.00	0.00	S1	4.1m HBX
157.80	35.00	S0	banding
168.10	50.00	S0	banding
170.50	47.00	S1	str chl slip

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
175.20	50.00	S0	banding
175.20	50.00	S0	banding
186.20	52.00	S0	banding
192.50	43.00	S0	banding
202.20	65.00	S0	banding
208.30	42.00	S0	banding
218.50	60.00	S0	banding
225.90	26.00	S0	banding
231.30	38.00	VQ	2.5cm QV (bullish)
231.40	0.00	S1	60cm HBX
237.20	30.00	S0	banding
238.10	45.00	S1	str carb slip @45 - 4.5cm displacement
243.40	30.00	S0	banding
253.30	47.00	S0	banding
261.90	0.00	S1	80cm HBX
262.10	50.00	S0	banding
273.20	38.00	S0	banding
276.20	35.00	S0	banding
287.55	0.00	S1	70cm HBX
288.00	35.00	S0	banding
294.40	23.00	S0	banding
305.90	35.00	S0	banding
311.70	30.00	S0	banding
325.20	38.00	S0	banding
345.80	50.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
357.30	50.00	S0	banding
363.40	55.00	S0	banding
374.70	43.00	S0	banding
381.10	58.00	S0	banding
384.90	0.00	S1	1.2m HBX
385.90	30.00	VQ	6cm bullish QV
392.50	55.00	S0	banding
397.40	30.00	S0	banding
407.60	42.00	S0	banding
427.10	20.00	S1	str carb-chl slip
439.40	50.00	S0	banding
450.40	50.00	S0	banding
473.70	30.00	S1	str chl slip
478.80	35.00	S0	banding
482.30	75.00	Cnt	IFF-IDD
486.40	40.00	Cnt	IDD-IFF
489.20	30.00	S0	banding
496.40	25.00	S0	banding
500.80	33.00	S0	banding
513.20	35.00	S0	banding
519.10	37.00	S0	banding
528.70	28.00	S0	banding
536.30	25.00	S0	banding
546.20	36.00	S0	banding
552.90	50.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
559.70	35.00	Cnt	IFF-SM

End of Structures ; 76 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Hole: RH-12-32

Easting: 412221.80	Northing: 5334423.00	Elevation: 406.40
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 0.00	Dip: -55.00	Length: 111.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 03/26/12	Finished: 03/27/12	Logged By: Ken \Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
24.00	333.80	0.00	-54.70		
102.00	29.90	0.00	-53.10		

51.00	355.20	0.00	-53.60		
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End of Deviations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	
0	0.00	15.00	OVB																		
0	15.00	17.00	IDD - dark to pale greenish-grey, primary texture fairly well preserved, massive, fairly equigranular, fairly homogeneous in appearance, moderately bleached locally with local sericitization, predominantly plag-py, trailing contact lost in broken core																		
0	17.00	19.80	SLC - grey to pale grey, mix of chert-mudstone, primary texture somewhat obliterated by abundant highly irregular, hairline chl-carb fract's resulting in a local moderate bx, minor siderite fract-filling, 5% mag - 35% chert - 35% mudstone - 10% siderite - 3% py, mg py as a fract-filling, locally highly conc	107659	17.00	19.80	2.80	41.60	2.62	35.50	2.25	1.36	0.02	0.10	0.11	0.16	0.09	0.01	0.01	0.66	
0	19.80	26.80	IF-F - dark to pale grey, banded mag-chert, primary banded texture fairly well preserved, banding generally @35 & 1-2cm thick, 40% mag- 45% chert - 2% py, fg to mg py as a fract-filling locally conc, only minor irregular, hairline carb-chl fract's	107660 107661	19.80 24.00	24.00 26.80	4.20 2.80	39.30 54.90	2.01 1.32	41.70 31.20	2.24 1.63	1.68 1.15	0.01 0.01	0.03 0.04	0.07 0.05	0.20 0.16	0.04 0.01	0.02 0.03	0.01 0.01	0.63 0.90	
0	26.80	42.50	IF-H - grey to pale brown, originally a banded chert-mudstone, abundant siderite replacement of chert & mudstone bands results in primary banded texture being somewhat obliterated, banding where evident generally @35 but typically highly disrupted by fracturing & bx, highly fract'd throughout with abundant irregular, hairline siderite fract's, intense fracturing results in a local moderate to coarse BX, 35% siderite - 20% chert - 30% mudstone - 2% py, fg to cg py as a fract-filling & local replacement, locally highly conc	107662	26.80	30.00	3.20	50.80	1.11	30.50	1.54	1.13	0.02	0.16	0.06	0.19	0.03	0.01	0.01	0.44	
0	42.50	46.00	IF-G - abundant fg to cg, euhedral to subhedral, py as a fract-filling & replacement, 15% py																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S		
								%	%	%	%	%	%	%	%	%	%	%	%	%	%	
0	46.00	71.00	in a chert-siderite IF-H unit, py locally highly conc becoming semi-massive, 15% py - 35% chert - 20% siderite, abundant irregular, hairline carb fract's throughout IF-H - grey to pale brown, originally a banded chert-mudstone, abundant siderite replacement of chert & mudstone bands results in primary banded texture being somewhat obliterated, banding where evident generally @35-40 but typically highly disrupted by fracturing & bx, highly fract'd throughout with abundant irregular, hairline siderite fract's, intense fracturing results in a local moderate to coarse BX, 35% siderite - 20% chert - 30% mudstone - 2% py, fg to cg py as a fract-filling & local replacement, locally highly conc																			
2	59.60	60.00	IF-H - ground & broken core, no evidence of significant structure																			
1	61.00	63.00	IF-H - local highly fract'd py-rich interval, 10% fg to mg py as a dissemination & fract-filling, abundant irregular, hairline, carb-chl fract's somewhat obliterates primary texture																			
0	71.00	76.00	IF-G - grey, py-po rich interval with 30% fg py - 3% fg po as a fract-filling and partial to locally complete replacement, locally highly conc in massive intervals, where py replaces mudstone bands appears concordant to bedding, unit originally a banded chert-mudstone with banding generally @15-20, 30% py - 3% po - 25% chert																			
0	76.00	85.20	SC - grey chert-rich, fairly massive with																			

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %	
			abundant hairline, irregular, carb-chl fract's, minor dark grey mudstone as highly disrupted bx frags, probable primary banded texture obliterated by fracturing and siderite alteration, 60% chert - 15% siderite - 5% po - 2% py, siderite as a secondary replacement, fg po-py as a local replacement & fract-filling locally highly conc																		
1	80.80	81.40	IF-G - local po-py rich interval with 20% fg po - 10% fg py as a fract-filling & replacement, locally highly conc and near massive																		
1	81.90	82.20	IF-G - local po-py rich interval with 55% fg po - 5% fg py as a fract-filling & replacement, locally massive																		
0	85.20	106.20	VK - initially grey & sheared becoming greenish, fuschitic past 88.8, primary texture fairly obliterated throughout due to initially shearing and later due to fuschitic alteration, appears to be equigranular & massive, oliv-px-plag, sericitized & bleached from 92.0-96.0, where sheared highly fract'd with abundant irregular, hairline chl fract's, shearing gnerally @35, where fuschitic highly fract'd with abundant irregular, greyish to white bull qtz becoming dominant & massive past 102.0 to EOH, leading contact with IFE sharp @38																		
2	90.50	92.00	VK - becomes vuggy due to partial dissolving of greyish carb strgrs																		
2	102.00	106.20	VK - Qtz flooded with 60% white, bullish qtz filling and																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %		
0	106.20	111.00	dominating over a highly fract'd, brcciated, fuschitic green carb, green carb exhibits typical emerald green colour, no evidence of mineralization with qtz VQ - qtz flooding becomes massive Qtz, white,bullish looking with 10% caught-up green carb frags, Qtz does not appear mineralized, EOH in massive white Qtz																			

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
15.00	18.00	3.00	0.00	0.00	0.80	0.00	3.42	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.85	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.40	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.25	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.60	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.85	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.65	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	1.05	0.00	2.70	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.30	0.00	3.23	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.60	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.15	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.15	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	1.30	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.40	0.00	2.89	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.25	0.00	2.85	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.20	0.00	2.41	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	1.15	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.10	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.25	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.25	0.00	2.80	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.65	0.00	2.79	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.05	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.05	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.15	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.50	0.00	3.44	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 32 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
92.00	96.00	sericite		
96.00	106.20	fuschite - green carb		

End of Alterations ; 2 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
17.00	19.80	SLC			5	0	0	3	10	35	0
19.80	26.80	IF-F			40	0	0	2	0	45	0
26.80	42.50	IF-H			0	0	0	3	35	20	0
42.50	46.00	IF-G			0	0	0	15	20	35	0
46.00	71.00	IF-H			0	0	0	2	35	20	0
71.00	76.00	IF-E			0	0	3	30	0	25	0
76.00	85.20	SC			0	0	5	2	15	60	0

End of Mineralizations ; 7 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
19.20	10.00	S1	str chl slip
24.40	35.00	S0	banding
40.20	37.00	S0	banding
54.90	35.00	S0	banding
66.60	40.00	S0	banding
73.70	17.00	S0	banding
85.20	38.00	Cnt	IFE-VK
85.70	35.00	S1	shearing
87.00	25.00	S1	str chl slip
108.60	0.00	VQ	4.8m massive, bullish, white Qtz

End of Structures ; 10 record(s) printed.

Hole: RH-12-33

Easting: 412221.60	Northing: 5334423.00	Elevation: 406.40
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -65.00	Length: 525.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: Orbit
Started: 03/27/12	Finished: 05/09/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
21.00	147.60	0.00	-64.20		
125.00	210.00	0.00	-63.70		
225.00	180.10	0.00	-62.60		
325.00	199.10	0.00	-60.50		
425.00	195.10	0.00	-57.90		
525.00	187.50	0.00	-55.80		

102.00	168.60	0.00	-63.10		
175.00	186.90	0.00	-63.20		
275.00	182.00	0.00	-61.80		
375.00	182.00	0.00	-59.00		
475.00	210.70	0.00	-56.50		

End of Deviations ; 11 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	
0	0.00	12.90	OVB																		
0	12.90	15.90	SC - grey to dark grey, banded chert-mudstone, primary banded texture somewhat disrupted due to abundant irregular, hairline chl fract's, banding where evident @40-45, no mag banding evident in this interval, core ends typically show a moderate oxidation, minor 1-2mm black stilp layers locally with chert	107663	12.90	15.90	3.00	58.10	4.18	25.10	1.79	0.93	0.03	0.11	0.15	0.08	0.07	0.01	0.01	0.01	0.71
0	15.90	29.10	IF-F - grey to dark grey, banded mag-chert-mudstone, primary banded texture typically somewhat disrupted by abundant irregular, hairline chl fract's locally dilated, where dilated chl filling imparts a BX texture locally, 25% mag - 40% chert - 20% mudstone - 5% siderite - 2% py, siderite as a fract-filling & local replacement, py as a fract-filling exhibiting a moderate oxidation where conc locally	107664 107665 107666	15.90 21.00 24.00	21.00 24.00 29.10	5.10 3.00 5.10	53.00 44.80 50.40	4.04 2.02 0.96	30.70 40.70 34.30	1.92 1.90 1.59	0.91 0.60 0.80	0.03 0.04 0.02	0.17 0.29 0.16	0.16 0.09 0.04	0.13 0.22 0.16	0.09 0.05 0.03	0.01 0.01 0.01	0.01 0.01 0.01	0.54 0.26 0.20	
0	29.10	33.40	SLC - dark to pale grey, primarily banded chert-mudstone with only minor mag banding evident, primary banded texture fairly obliterated by abundant, irregular, hairline chl-carb fract's locally dilated, banding where evident generally @25-30, local intense fracturing results in a fine bx, 5% mag - 30% chert - 20% mudstone - 10% siderite - 1% py, siderite as a local fract-filling & replacement	107667	29.10	33.40	4.30	52.10	1.94	31.10	1.77	0.82	0.02	0.13	0.06	0.14	0.04	0.01	0.01	0.01	0.16
0	33.40	35.90	IF-F - dark grey to pale brown, primary banded texture fairly well preserved locally to fairly disrupted by abundant irregular carb fract's & local tight folding, banding where evident generally varies from 20-45 & 0.5-2cm thick, 25% mag - 35% chert - 20% mudstone - 15% siderite, siderite as a local fract-filling & replacement	107668	33.40	35.90	2.50	45.80	1.14	36.10	1.82	1.37	0.01	0.08	0.04	0.19	0.03	0.01	0.01	0.01	0.22

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
0	35.90	60.60	IF-H - dark grey to pale brown, primarily banded chert-mudstone with abundant siderite replacement & fract-filling, banding generally @40-50, abundant irregular carb fract's results in a local moderate bx, minor hairline, black stipl layers in chert typically concordant to bedding, 35% chert - 20% siderite - 30% mudstone	107669	35.90	39.00	3.10	39.10	2.02	37.60	2.30	1.34	0.01	0.03	0.09	0.21	0.04	0.01	0.01	0.80
1	53.30	54.40	IF-G - local po-rich interval with 25% fg po - 3% fg cpy - 2% fg py, po as a fg fract-filling & semi-massive local replacement in a highlt fract'd IFH, fg cpy as local po replacement																	
1	56.30	57.60	IDD - grey to pale grey, intermediate dyke, somewhat porphyritic with 10% coarser biot flakes in a finer -grained typically bleached, sericitized plag-px-hnblde matrix, massive, leading contact lost in broken core, trailing contact highly irregular																	
0	60.60	63.80	IDD - grey to pale grey, intermediate dyke, somewhat porphyritic with 10% coarser biot flakes in a finer -grained typically bleached, sericitized plag-px-hnblde matrix, massive, leading contact sharp @60, trailing contact sharp @40, py-rich from 63.2-63.4 with 20% fg to mg py as a probable replacement, only minor trace elsewhere																	
0	63.80	73.00	IF-H - dark grey to pale brown, primarily banded chert-mudstone with abundant siderite replacement & fract-filling resulting in banded texture being obliterated locally, banding generally @20-40, 30% chert - 25% siderite - 30% mudstone	107670	66.00	72.00	6.00	65.80	1.25	22.30	1.46	0.40	0.03	0.08	0.04	0.07	0.05	0.03	0.01	1.65

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
1	69.60	70.10	IF-G - local po-rich interval with 60% fg po as a fract-filling & replacement, locally massive, hairline po fract's highly disrupted due to tight local folding, 60% po - 10% chert, leading contact with IFH sharp @48, trailing contact with IFH sharp @30,	107671	72.00	75.00	3.00	54.90	0.71	27.90	1.84	1.01	0.01	0.01	0.03	0.11	0.05	0.01	0.01	0.53
1	72.30	72.50	IF-F - local IFF interval, dark grey, banded chert-mag, banding generally @40, 45% mag - 40% chert - 10% siderite,																	
0	73.00	76.30	SC - pale to dark grey, banded chert-mudstone, banding locally disrupted by abundant irregular carb-chl fract's, banding generally @50, bullish white qtz fract-filling from 75.3-75.6 results in a coars bx, 60% chert - 25% mudstone - 10% siderite, siderite as a fract-filling & replacement, leading contact sharp @35, trailing contact sharp irregular	107673	75.00	81.00	6.00	42.60	4.26	33.50	2.34	0.93	0.13	0.22	0.15	0.13	0.12	0.01	0.01	4.29
0	76.30	78.90	IF-G - po-rich interval, with 15% fg po as a fract-filling & mudstone replacement, banded chert-mudstone with banding typically disrupted by po replacement, 15% po - 50% chert - 20% mudstone																	
0	78.90	96.80	SLC - pale to dark grey, banded chert-mudstone with minor mag bands, banding typically disrupted by irregular, carb-chl fract's & local siderite replacement, banding generally @25-50, 7% mag - 50% chert - 10% siderite - 20% mudstone - 3% po, fg po-py as a fract-filling & local																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
1	84.40	86.00	replacement locally abundant, siderite as a fract-filling & replacement locally abundant IF-G - local py-po interval, with 15% fg py conc as fract-filling & 10% fg po highly conc between 84.4-85.2, 15% py - 5% po - 40% chert - 20% mudstone	107675	86.00	92.00	6.00	59.00	1.07	24.60	1.72	0.59	0.07	0.11	0.03	0.09	0.07	0.02	0.01	1.29
0	96.80	102.90	SC - grey, massive chert-rich interval, fairly fract'd, primary texture somewhat obliterated by fracturing, 65% chert - 20% mudstone - 4% py - 1% po, fg-mg py highly conc locally, trailing contact with IFF fairly sharp with the abrupt appearance of mag bands @50	107677 107678	92.00 96.80	96.80 102.90	4.80 6.10	52.80 63.30	1.18 1.22	28.10 21.60	2.07 1.59	0.83 0.47	0.09 0.04	0.17 0.07	0.05 0.06	0.10 0.07	0.08 0.07	0.02 0.03	0.01 0.01	1.94 1.91
0	102.90	132.30	IF-F - banded chert-mag, dark grey-grey, banded texture fairly well preserved to locally somewhat disrupted by fracturing, 30% mag - 50% chert - 10% chl - 2% siderite - 3% stilp - 2% po, chl as a fracture-filling becoming locally abundant & massive in local highly fract'd interval, stilp as fine (1-2mm) laminations concordant to banding in the chert, fg po locally conc in chl intervals, mag banding generally 0.5-2cm thick @25-45	107679 107680 107681 107682 107683	102.90 108.00 114.00 120.00 126.00	108.00 114.00 120.00 126.00	5.10 6.00 6.00 6.00 6.30	58.60 50.00 46.70 44.10 53.60	0.91 0.24 0.18 0.22 3.15	27.10 37.30 42.70 43.70 29.20	1.81 1.94 1.79 2.00 2.28	0.85 1.39 1.62 1.32 1.69	0.01 0.02 0.02 0.01 0.06	0.08 0.09 0.08 0.01 0.43	0.04 0.01 0.03 0.01 0.13	0.09 0.12 0.16 0.14 0.13	0.05 0.04 0.02 0.04 0.07	0.02 0.02 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01	1.01 0.09 0.10 0.06 0.77
1	128.40	129.00	IF-F - highly fract'd interval with 30% chl fract-filling, 5% fg po -2% fg py as a fract-filling & replacement, no evidence of significant structure																	
1	131.10	132.00	IF-F - chl-rich dilational interval, 70% massive chl as a replacement or a dilational-filling, no evidence of																	

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %	
			significant structure																		
0	132.30	137.10	IF-H - pale brown to dark grey, fract'd throughout becomes bx locally with sub-angular to sub-rounded pale brown siderite-rich frags to 3cm, banded chert-siderite texture typically highly disrupted due to fracturing, 20% siderite - 30% chert - 30% chl - 2% po, abundant massive chl as a fract-filling & replacement, minor fg po as a fract-filling	107684	132.30	137.10	4.80	48.20	3.68	29.60	2.54	2.12	0.01	0.19	0.15	0.13	0.09	0.01	0.01	0.01	0.36
0	137.10	148.00	SLC - dark grey to pale greyish-brown, banded chert-mudstone with only very minor mag evident, banding typically somewhat disrupted throughout, 40% chert - 10% siderite - 20% mudstone - 10% chl - 5% mag, mag banding only evident locally throughout this interval, disrupted banding where evident generally @22-52, chl as a local fracture-filling, siderite as a local replacement, locally bx where fracturing strong	107685 107686	137.10 142.50	142.50 148.00	5.40 5.50	55.80 49.40	2.20 3.11	25.60 29.60	2.02 2.43	1.86 1.95	0.01 0.01	0.01 0.17	0.09 0.12	0.14 0.13	0.08 0.11	0.03 0.03	0.01 0.01	0.01 0.01	0.54 0.54
0	148.00	149.10	IF-F - local IFF interval with 20% mag - 50% chert - 15% siderite in this interval, similar to SLC as described above with increased mag banding, banding typically fairly disrupted throughout	107687	148.00	149.20	1.20	49.90	1.73	31.10	2.41	1.67	0.02	0.21	0.06	0.12	0.06	0.01	0.01	0.01	0.37
0	149.10	153.20	SLC - SLC as described in the 137.1-153.2 interval	107688	149.20	153.20	4.00	47.00	2.46	32.30	2.45	1.08	0.01	0.15	0.10	0.10	0.06	0.02	0.01	0.01	0.53
0	153.20	161.00	IF-F - local IFF interval with 25% mag - 55% chert - 2% siderite - 2% po - 1% py - 3% stilp, banded chert-mag with banding generally @25-30, mag bands genrally 1-4cm thick, minor siderite fract-filling, fg po & fg-mg py as a local fract-filling, black stilp as fine laminations(1-2mm) in the chert, contacts with SLC gradational as	107689 107690	153.20 156.50	156.50 161.00	3.30 4.50	51.50 39.80	1.11 1.34	31.20 39.10	2.09 2.78	1.32 1.83	0.02 0.01	0.16 0.16	0.03 0.04	0.10 0.28	0.07 0.06	0.02 0.01	0.01 0.01	0.01 0.01	0.48 0.40

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %
0	161.00	196.40	mag banding becomes prominent SC - dark to pale grey, banded chert-mudstone, 35% chert - 45% mudstone - 5% siderite - 10% chl - 2% po - 1% py, banding typically somewhat disrupted due to local fracturing, banding generally @45-60, siderite as a local fract-filling, chl as local massive replacement and fract-filling fg po & fg-mg py as a local fract-filling, po locally associated with po, abrupt trailing contact with IFH @25	107691	161.00	166.00	5.00	51.90	0.70	28.90	2.04	1.10	0.01	0.01	0.03	0.17	0.05	0.02	0.01	0.24
2	179.20	179.40	GC - ground core, no evidence of significant structure																	
0	196.40	203.50	IF-H - pale brown, primary banded texture fairly obliterated due to intense fracturing & siderite alteration, banding where evident generally @40-50, siderite primarily as a mudstone replacement and minor fract-filling, mudstone bleached pale grey, 35% siderite - 30% chert - 25% mudstone -5% chl, chl as alocal fract-filling, highly fract'd throughout locally results in a fine to moderate bx																	
0	203.50	220.10	SC - banded chert-mudstone, dark to pale grey, fairly fract'd throughout with abundant chl fract-filling, locally bx due to intense fracturing, original banded texture fairly well preserved to locally somewhat obliterated due to fracturing, 35% mudstone- 35% chert - 10% chl - 2% po, chl as a fract-filling & a local massive replacement, locally associated with po																	
1	203.90	204.30	IF-G - local po-chl rich interval, 15% fg po as a fract-filling & replacement, 50% chl - 15% po - 30% chert, chl predominantly as																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
			a massive replacement																		
0	220.10	222.90	IF-F - banded chert-mag, dark to pale grey, primary banded texture fairly well preserved, 25% mag - 60% chert - 2% po - 2% siderite, banding generally @30-40, mag bands, banding generally 1-3cm thick, fg po & chl as a local fract-filling, siderite as a local fract-filling, highly irregular contact with IFG as chl & po becomes dominant	107692 107693	217.50 220.10	220.10 222.90	2.60 2.80	58.00 56.30	0.46 1.02	25.50 28.30	2.05 2.34	0.82 0.69	0.04 0.06	0.18 0.19	0.02 0.03	0.09 0.10	0.06 0.15	0.02 0.02	0.01 0.01	0.33 2.08	
0	222.90	225.30	IF-G - highly fract'd chl-po rich interval with mag banding replaced by chl-po, original banded texture fairly obliterated due to fracturing & chl replacement, 20% chert - 30% chl - 20% po - 2% py, fg po primarily as a fract-filling locally becomes massive in highly chloritized intervals, fg py as a local fract-filling	107694	222.90	225.30	2.40	23.60	6.48	52.90	3.45	0.19	0.16	0.44	0.26	0.08	0.13	0.01	0.01	13.50	
0	225.30	231.60	IF-F - IFF as described in the 220.1-222.9 interval, 25% mag - 50% chert - 4% po - 2% py - 5% siderite - 2% stilp, stilp as local 1-2mm hairline bands in the chert concordant to bedding, banding generally @25-35	107695	225.30	231.60	6.30	58.30	1.51	27.90	2.06	0.63	0.09	0.30	0.06	0.09	0.09	0.01	0.01	3.17	
0	231.60	233.70	IF-G - highly fract'd chl-po rich interval, with mag banding replaced by chl-po, original banded texture fairly obliterated due to fracturing & chl replacement, 30% chert - 30% chl - 25% po, fg po as a fract-filling & a massive replacement associated with chl	107696	231.60	233.70	2.10	23.70	7.77	52.50	3.02	0.33	0.12	0.18	0.36	0.08	0.05	0.01	0.01	14.60	
0	233.70	236.90	IF-F - banded mag-chert, dark to pale grey, primary banded texture fairly well preserved generally @ 10-20, 25% mag - 55% chert - 3% po - 1% py, fg po & py as	107697	233.70	236.90	3.20	55.40	1.63	29.90	2.07	0.70	0.15	0.41	0.08	0.10	0.12	0.02	0.01	5.23	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	236.90	242.90	local fract-filling, mag banding generally @0.5-2cm thick IF-G - highly fract'd chl-po rich interval, with mag banding replaced by chl-po, only very minor mag bands evident, 5% mag - 45% chert - 15% po - 25% chl, original banded texture fairly obliterated due to fracturing & chl replacement, fg po as a replacement associated with chl locally massive & a local fract-filling	107698	236.90	242.90	6.00	43.30	5.15	40.60	2.23	0.29	0.08	0.11	0.25	0.07	0.06	0.01	0.01		11.30
0	242.90	253.10	SLC - banded chert-mag with chert dominating, mag bands only evident in localized intervals, pale to dark grey, banded texture fairly well preserved, banding generally @30-40, 5% mag - 75% chert - 3% po - 1% py - 5% stilp, black stilp as fine laminations(1-2mm) in the chert concordant to bedding, fg po conc associated with local fract'd chl-rich intervals	107699 107700	242.90 249.00	249.00 253.10	6.10 4.10	59.60 61.40	2.15 1.75	25.80 23.60	2.14 2.00	0.49 0.44	0.05 0.03	0.12 0.03	0.13 0.08	0.12 0.10	0.10 0.10	0.01 0.02	0.01 0.01		2.91 1.98
0	253.10	270.70	IF-F - banded chert-mag, pale to dark grey, banded texture fairly well preserved to locally slightly obliterated, banding generally @25-50, mag bands generally 0.5-2cm thick, 25% mag - 50% chert - 3% po - 3% stilp - 10% chl, black stilp as fine laminations (1-2mm) in the chert concordant to bedding, fg po locally highly conc in localized chl rich intervals	107701	253.10	258.00	4.90	54.10	2.57	30.90	2.25	0.77	0.02	0.04	0.13	0.12	0.10	0.02	0.01		4.42
1	256.80	257.40	IF-G - local chl-po rich interval with 45% fg po as a replacement & fract-filling, po replaces mag, becomes massive locally, 45% po - 30% chl	107703 107705	258.00 264.00	264.00 267.00	6.00 3.00	59.90 61.20	0.84 0.87	27.40 26.80	2.26 1.88	0.71 0.60	0.06 0.11	0.10 0.07	0.02 0.03	0.14 0.11	0.09 0.07	0.02 0.02	0.01 0.01		0.69 1.86

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	270.70	276.00	IF-G - intermixed chl-po rich intervals with banded IFF, 70% po-chl -- 30% IFF, fg po as a mag replacement & fract-filling associated with massive chl intervals, po locally massive, 10% mag - 20% chert - 15% po - 2% py, fg py as a local fract-filling, banding where evident generally @55-65, chl as a fract-filling & massive mag replacement	107707 107708	267.00 270.70	270.70 276.00	3.70 5.30	53.80 43.50	2.10 4.29	31.60 37.80	2.38 2.41	0.77 0.59	0.04 0.06	0.08 0.13	0.10 0.16	0.14 0.11	0.08 0.15	0.01 0.01	0.01 0.01	2.36 7.15	
0	276.00	510.70	IF-F - banded mag-chert, banded texture fairly well preserved to locally slightly disrupted in local fract'd intervals, banding generally @35-55 & 0.5-2cm thick becoming thicker with depth, 30% mag - 55% chert - 2% po - 1% py - 3% stlp, fg po & py as a local fract-filling typically associated with local ch-rich intervals, minor black stlp as fine laminations (1-2mm) in the chert concordant to bedding	107709 107710 107711 107712 107713	276.00 282.00 288.00 294.00 300.00	282.00 288.00 294.00 300.00	6.00 6.00 6.00 6.00 6.00	58.80 53.20 44.60 43.70 50.40	0.59 1.48 0.38 0.41 0.55	27.00 30.40 44.50 45.30 35.50	2.27 2.43 1.85 2.05 2.15	1.01 1.36 1.31 1.49 1.34	0.04 0.09 0.04 0.04 0.02	0.12 0.26 0.15 0.19 0.14	0.02 0.07 0.02 0.01 0.03	0.09 0.12 0.17 0.15 0.13	0.10 0.08 0.02 0.04 0.04	0.02 0.02 0.02 0.01 0.01	0.01 0.01 0.01 0.01 0.01	0.87 1.59 0.06 0.09 0.26	
2	306.00	306.50	IF-F - highly ground & broken core, no evidence of significant structure	107714	306.00	312.00	6.00	61.30	1.06	25.90	2.13	0.64	0.12	0.34	0.05	0.11	0.08	0.02	0.01	0.66	
1	312.20	312.70	IF-G - local po rich interval with 45% fg po as a near total replacement of mag bands, 5% mag - 45% po - 30% chert, only very minor chl associated, po becomes massive locally	107715	312.00	318.00	6.00	62.60	1.39	24.90	1.94	0.55	0.10	0.27	0.06	0.09	0.08	0.02	0.01	2.09	
2	313.00	313.50	IF-F - highly ground & broken core, no evidence of significant structure	107716	318.00	324.00	6.00	56.00	0.65	33.30	2.32	0.73	0.05	0.24	0.03	0.12	0.08	0.01	0.01	0.65	

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
				107717	324.00	330.00	6.00	50.60	0.28	41.20	1.83	1.27	0.03	0.13	0.02	0.16	0.04	0.01	0.01	0.16
				107718	330.00	336.00	6.00	49.50	0.28	44.20	1.77	1.10	0.01	0.13	0.02	0.13	0.03	0.01	0.01	0.13
				107719	336.00	342.00	6.00	45.80	0.31	46.20	2.15	1.34	0.03	0.15	0.01	0.12	0.05	0.01	0.01	0.29
				107720	342.00	348.00	6.00	45.80	0.48	43.40	1.94	1.51	0.06	0.21	0.02	0.11	0.05	0.01	0.01	0.18
				107721	348.00	354.00	6.00	43.80	0.44	45.80	1.84	1.35	0.05	0.18	0.02	0.14	0.03	0.01	0.01	0.06
				107722	354.00	360.00	6.00	53.00	0.33	38.80	1.71	1.16	0.02	0.15	0.02	0.11	0.04	0.01	0.01	0.24
				107723	360.00	366.00	6.00	48.40	0.42	44.00	1.88	1.35	0.03	0.19	0.02	0.12	0.04	0.01	0.01	0.17
				107724	366.00	372.00	6.00	48.50	0.22	43.70	1.87	1.47	0.01	0.10	0.01	0.14	0.04	0.01	0.01	0.10
				107725	372.00	378.00	6.00	45.10	0.19	47.40	1.93	1.30	0.01	0.09	0.01	0.13	0.03	0.01	0.01	0.18
				107726	378.00	384.00	6.00	45.70	0.09	47.50	2.11	1.53	0.01	0.06	0.01	0.13	0.03	0.01	0.01	0.14
				107727	384.00	390.00	6.00	48.40	0.25	44.60	2.07	1.40	0.50	0.10	0.01	0.13	0.04	0.01	0.01	0.48
1	388.80	390.00	IF-G - local chl-po rich interval with 55% fg po as a massive mag replacement % fract-filling, chl replaces mag, 55% po - 25% chl - 10% chert																	
1	391.80	391.82	IF-G - 0.5 -3.0cm po-cpy fract-filling @37, fg po-cpy	107728	390.00	396.00	6.00	57.80	1.39	32.80	2.07	1.03	0.07	0.30	0.06	0.12	0.07	0.01	0.01	0.92
2	396.60	397.40	HBX - local highly fract'd interval with imparts a medium to fine BX, banded texture becomes obliterated, abundant chl fract-filling	107729	396.00	402.00	6.00	47.40	2.13	39.50	2.60	1.40	0.14	0.47	0.09	0.10	0.11	0.01	0.01	0.70
				107730	402.00	408.00	6.00	61.30	0.61	30.00	2.11	0.68	0.06	0.26	0.02	0.04	0.09	0.01	0.01	0.46
				107731	408.00	414.00	6.00	64.40	0.33	25.70	1.70	0.62	0.05	0.15	0.01	0.02	0.07	0.01	0.01	0.08
				107733	414.00	420.00	6.00	66.10	0.29	20.50	2.18	2.08	0.07	0.12	0.01	0.02	0.06	0.04	0.01	0.29
				107735	420.00	426.00	6.00	51.30	0.88	29.80	2.40	2.39	0.10	0.27	0.03	0.11	0.09	0.01	0.01	3.32
1	421.30	421.70	IF-G																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
1	427.00	427.50	- localized carb-py filled Vug, 35% fg-cg py as laminations to 1cm in a 40 cm vuggy, crystalline calcite vn @22, 35% py - 55% carb in this interval IF-G - local po-rich interval with 20% fg po as a fract-filling & massive mag replacement, fairly fract'd throughout interval, only minor chl, minor fg py-cpy as a fract-filling, 5% mag - 20% po - 3% py - 2% cpy - 40% chert	107737	426.00	432.00	6.00	50.20	1.37	33.60	2.71	1.60	0.10	0.32	0.05	0.23	0.07	0.01	0.01	0.01	3.47
				107738	432.00	438.00	6.00	55.90	1.20	29.90	2.51	0.93	0.11	0.28	0.05	0.17	0.09	0.01	0.01	0.01	1.22
				107739	438.00	444.00	6.00	65.30	1.03	24.30	1.94	0.54	0.10	0.27	0.04	0.10	0.08	0.02	0.01	0.01	0.91
				107740	444.00	450.00	6.00	59.90	0.53	30.70	1.55	0.94	0.03	0.11	0.04	0.12	0.04	0.01	0.01	0.01	0.19
				107741	450.00	456.00	6.00	51.20	0.53	33.50	1.99	1.37	0.06	0.18	0.02	0.12	0.09	0.01	0.01	0.01	0.71
2	451.80	452.10	IF-F - ground & broken core, no evidence of significant structure though abundant irregular, hairline chl-filled fract's	107742	456.00	462.00	6.00	61.80	1.30	27.30	1.68	0.77	0.09	0.23	0.08	0.08	0.07	0.02	0.01	0.01	0.56
				107743	462.00	468.00	6.00	46.70	0.24	46.40	1.61	1.15	0.03	0.10	0.01	0.15	0.04	0.01	0.01	0.01	0.09
				107744	468.00	474.00	6.00	46.20	0.17	43.90	1.88	1.47	0.03	0.07	0.01	0.14	0.04	0.01	0.01	0.01	0.06
				107745	474.00	480.00	6.00	47.10	0.17	46.00	1.54	1.14	0.02	0.08	0.01	0.16	0.03	0.01	0.01	0.01	0.03
				107746	480.00	486.00	6.00	48.30	0.68	39.90	1.68	1.03	0.08	0.17	0.03	0.15	0.06	0.02	0.01	0.01	0.36
				2	482.50	482.52	FZ - tight chl-filled FLT @ 33, tight 5mm chl seam with 1-2 cm of chl-filled bx adjacent to seam														
1	484.10	485.00	IF-H - local moderately fract'd																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
			interval with abundant chl + siderite, siderite replaces chert locally, 25% mag - 2% po - 30% siderite - 30% chert, mag bands fairly well preserved to locally broken and slightly bx due to fracturing, fg po as a local fract-filling, pale brown to dark grey	107747	486.00	492.00	6.00	52.20	0.32	42.00	1.60	1.01	0.10	0.10	0.01	0.11	0.05	0.02	0.01	0.10
				107748	492.00	498.00	6.00	45.60	0.42	45.00	2.81	2.30	0.02	0.08	0.02	0.12	0.06	0.01	0.01	0.11
				107749	498.00	504.00	6.00	54.90	0.11	35.80	3.56	1.26	0.03	0.06	0.01	0.07	0.16	0.01	0.01	0.38
				107750	504.00	510.00	6.00	61.20	0.27	26.90	2.45	0.36	0.04	0.08	0.01	0.02	0.22	0.06	0.01	3.02
1	504.80	505.20	IF-G - local po-rich interval, fairly fract'd with banded texture somewhat obliterated, 20% fg po as a fract-filling up to 3 cm thick, 20% po - 10% mag - 40% chert - 5% siderite, siderite as a local fract-filling																	
1	507.87	507.95	IF-G - local 8 cm highly fract'd interval with 55% fg py & 5% fg po, generally @40																	
1	508.90	509.30	IF-G - py-po rich interval in highly ground core, core frags show a vuggy texture with 30% fg-cg py & 5% fg po, fairly fract'd throughout interval, 15% mag - 30% py - 5% po - 30% chert, no evidence of significant structure																	
2	510.00	510.60	IF-F - highly ground & broken core, no evidence of significant structure	107751	510.00	514.60	4.60	53.60	2.53	28.30	3.96	2.38	0.07	0.13	0.17	0.13	0.21	0.03	0.01	3.15
0	510.70	514.60	IF-G - po rich, banded mag-chert texture fairly																	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
1	512.80	513.40	obliterated by fracturing & mag replacement, fg po as a fract-filling & mag replacement, 15% mag - 10% po - 2% py - 40% chert, abundant chl fract-filling, trailing contact with IDB sharp @50 SM - dark grey, fg, massive, featureless mudstone, no evidence of bedding, well sorted, leading contact with IFG sharp @30, trailing contact lost in broken core																		
0	514.60	525.00	IDB - dark grey, fg to mg, equigranular, crystalline texture, plag-px-oliv, homogeneous in appearance, minor white carb fract's from 2mm - 4cm thick generally @35, minor (<2%) fg-cg py with fract's	107752	514.60	517.40	2.80	41.80	10.40	10.70	9.47	10.40	1.76	0.05	0.81	0.28	0.18	0.09	0.05	0.03	

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
15.00	18.00	3.00	0.00	0.00	0.25	0.00	2.63	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.60	0.00	2.51	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.50	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.25	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.50	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.35	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.55	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.15	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.50	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	1.10	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.20	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	1.45	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.95	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.10	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.35	0.00	2.86	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.20	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.40	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.35	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.30	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.25	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.10	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	0.25	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	0.15	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.20	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.40	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.10	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	0.05	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.00	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%							
114.00	117.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.05	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	0.00	
126.00	129.00	3.00	0.00	0.00	0.10	0.00	2.89	0.00	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.65	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.40	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.10	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.20	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.25	0.00	2.70	0.00	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.10	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.25	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.55	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.10	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.45	0.00	3.37	0.00	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.90	0.00	3.19	0.00	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.10	0.00	3.21	0.00	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.15	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.05	0.00	2.93	0.00	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.15	0.00	3.11	0.00	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.60	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.15	0.00	3.07	0.00	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.15	0.00	3.03	0.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	%ces>100	Calcu	RQ	%ces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
213.00	216.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.10	0.00	3.19	0.00	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	0.00	
225.00	228.00	3.00	0.00	0.00	0.20	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.00	0.00	2.86	0.00	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.05	0.00	2.92	0.00	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.05	0.00	3.13	0.00	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.50	0.00	3.18	0.00	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.10	0.00	2.90	0.00	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.05	0.00	3.43	0.00	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.35	0.00	3.16	0.00	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.05	0.00	3.19	0.00	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.10	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.65	0.00	2.92	0.00	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.05	0.00	3.24	0.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>talReco</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				<i>%</i>			<i>%</i>						
312.00	315.00	3.00	0.00	0.00	0.55	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.25	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.25	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.35	0.00	3.55	0.00	0.00	0.00	0.00	0.00	
324.00	327.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.55	0.00	3.22	0.00	0.00	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
342.00	345.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
345.00	348.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
348.00	351.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
351.00	354.00	3.00	0.00	0.00	0.25	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
354.00	357.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
357.00	360.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
360.00	363.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
363.00	366.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
366.00	369.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
369.00	372.00	3.00	0.00	0.00	0.25	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
372.00	375.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
375.00	378.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
378.00	381.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
381.00	384.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
384.00	387.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
387.00	390.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
390.00	393.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
393.00	396.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
396.00	399.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
399.00	402.00	3.00	0.00	0.00	0.00	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
402.00	405.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
405.00	408.00	3.00	0.00	0.00	0.10	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
408.00	411.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talRecover	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
411.00	414.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
414.00	417.00	3.00	0.00	0.00	0.20	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
417.00	420.00	3.00	0.00	0.00	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
420.00	423.00	3.00	0.00	0.00	0.70	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
423.00	426.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
426.00	429.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
429.00	432.00	3.00	0.00	0.00	0.20	0.00	3.16	0.00	0.00	0.00	0.00	0.00	
432.00	435.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
435.00	438.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
438.00	441.00	3.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
441.00	444.00	3.00	0.00	0.00	0.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
444.00	447.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
447.00	450.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
450.00	453.00	3.00	0.00	0.00	0.70	0.00	2.79	0.00	0.00	0.00	0.00	0.00	
453.00	456.00	3.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
456.00	459.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
459.00	462.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
462.00	465.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
465.00	468.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
468.00	471.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
471.00	474.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
474.00	477.00	3.00	0.00	0.00	0.05	0.00	2.79	0.00	0.00	0.00	0.00	0.00	
477.00	480.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
480.00	483.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
483.00	486.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
486.00	489.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
489.00	492.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
492.00	495.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
495.00	498.00	3.00	0.00	0.00	0.15	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
498.00	501.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
501.00	504.00	3.00	0.00	0.00	0.05	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
504.00	507.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
507.00	510.00	3.00	0.00	0.00	0.45	0.00	2.96	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>talReco</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				<i>%</i>			<i>%</i>						
510.00	513.00	3.00	0.00	0.00	0.55	0.00	2.86	0.00	0.00	0.00	0.00	0.00	
513.00	516.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
516.00	519.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
519.00	522.00	3.00	0.00	0.00	0.40	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
522.00	525.00	3.00	0.00	0.00	0.85	0.00	3.23	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 170 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
18.80	19.00	oxidation		
21.70	22.00	oxidation		
196.40	203.50	siderite		

End of Alterations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
15.90	29.10	IF-F			25	0	0	2	5	40	0
29.10	33.40	SLC			5	0	0	1	10	30	0
33.40	35.90	IF-F			25	0	0	0	15	35	0
35.90	60.60	IF-H			0	0	0	0	20	35	0
63.80	69.60	IF-H			0	0	0	0	25	30	0
69.60	70.10	IF-G			0	0	60	0	0	10	0
70.10	72.30	IF-H			0	0	0	0	25	30	0
72.30	72.50	IF-F			45	0	0	0	10	40	0
72.50	73.00	IF-H			0	0	0	0	25	30	0
73.00	76.30	SC			0	0	0	0	10	60	0
76.30	78.90	IF-G			0	0	15	0	0	50	0
78.90	84.40	SLC			7	0	3	0	10	50	0
84.40	86.00	IFG			0	0	5	15	0	40	0
86.00	96.80	SLC			7	0	3	0	10	50	0
96.80	102.90	SC			0	0	1	4	0	65	0
102.90	132.30	IF-F			30	0	2	0	2	50	0
132.30	137.10	IF-H			0	0	2	0	20	30	0
137.10	148.00	SLC			5	0	0	0	10	40	0
148.00	149.10	IF-F			20	0	0	0	15	50	0
149.10	153.20	SLC			5	0	0	0	10	40	0
153.20	161.00	IF-F			25	0	2	1	2	55	0
161.00	196.40	SC			0	0	0	0	5	35	0
196.40	203.50	IF-H			0	0	0	0	35	30	0
203.50	203.90	SC			0	0	2	0	0	35	0
203.90	204.30	IF-G			0	0	15	0	0	30	0
204.30	220.10	SC			0	0	2	0	0	35	0
220.10	222.90	IF-F			25	0	2	2	0	60	0
222.90	225.30	IF-G			0	0	20	2	0	20	0
225.30	231.60	IF-F			25	0	4	2	0	50	0

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
231.60	233.70	IF-G			0	0	25	0	0	30	0
233.70	236.90	IF-F			25	0	3	1	0	55	0
236.90	242.90	IF-G			5	0	15	0	0	45	0
242.90	253.10	SLC			5	0	3	1	0	75	0
253.10	256.80	IF-F			25	0	3	0	0	50	0
256.80	257.40	IF-G			0	0	45	0	0	0	0
257.40	270.70	IF-F			25	0	3	0	0	50	0
270.70	276.00	IF-G			10	0	15	2	0	20	0
276.00	312.00	IF-F			30	0	2	1	0	55	0
312.00	312.70	IF-G			5	0	45	0	0	30	0
312.70	388.80	IF-F			30	0	2	1	0	55	0
388.80	390.00	IF-G			0	0	55	0	0	10	0
390.00	421.30	IF-F			30	0	2	0	0	55	0
421.30	421.70	IF-G			0	0	0	35	0	0	0
421.70	427.00	IF-F			25	0	1	1	0	60	0
427.00	427.50	IF-G			5	0	20	3	0	40	0
427.50	484.10	IF-F			25	0	1	1	0	60	0
484.10	485.00	IF-H			25	0	2	0	30	30	0
485.00	504.80	IF-F			25	0	2	0	0	60	0
504.80	505.20	IF-G			10	0	20	0	5	40	0
505.20	510.70	IF-F			25	0	2	2	0	60	0
510.70	512.80	IF-G			15	0	10	2	0	40	0
513.40	514.60	IF-G			15	0	10	2	0	40	0

End of Mineralizations ; 52 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
14.50	43.00	S0	banding
26.70	45.00	S0	banding
30.00	13.00	S1	str chl slip
33.60	20.00	S0	banding
36.40	43.00	S0	banding
45.90	50.00	S0	banding
60.60	60.00	Cnt	IFH-IDD
63.80	40.00	Cnt	IDD-IFH
66.80	22.00	S0	banding
69.60	48.00	Cnt	IFH-IFG
70.10	30.00	Cnt	IFG-IFH
72.50	40.00	S0	banding
81.50	52.00	S0	banding
102.90	50.00	Cnt	SC-IFF
107.80	45.00	S0	banding
114.50	25.00	S0	banding
119.80	35.00	S0	banding
129.50	30.00	S1	str chl slip
131.80	31.00	S0	banding
137.10	12.00	Cnt	IFH-SLC along a str chl slip @12
143.30	22.00	S0	banding
149.20	52.00	S0	banding
152.00	52.00	S0	banding
160.40	27.00	S0	banding
166.10	58.00	S0	banding
171.20	42.00	S0	banding
178.90	32.00	S1	str chl slip with minor mud
182.20	63.00	S0	banding
188.40	38.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
195.20	35.00	S0	banding
196.40	25.00	Cnt	SC-IFH
201.50	42.00	S0	banding
203.50	45.00	Cnt	IFH-SC
210.20	25.00	S1	str chl slip
212.40	42.00	S0	banding
227.10	42.00	S0	banding
235.30	17.00	S0	banding
248.30	30.00	S0	banding
250.70	20.00	S1	str chl-carb slip in minor ground core
256.00	25.00	S0	banding
267.30	48.00	S0	banding
271.10	65.00	S0	banding
273.90	18.00	S1	str chl-carb slip
282.20	51.00	S0	banding
288.60	62.00	S0	banding
301.70	47.00	S0	banding
307.70	47.00	S0	banding
319.00	45.00	S0	banding
324.90	50.00	S0	banding
331.70	55.00	S0	banding
340.50	20.00	S0	banding
351.90	27.00	S0	banding
357.20	35.00	S0	banding
367.20	40.00	S0	banding
374.60	50.00	S0	banding
386.20	33.00	S0	banding
391.90	37.00	S0	banding
397.00	0.00	S1	80cm BX

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
403.50	37.00	S0	banding
408.70	45.00	S0	banding
409.65	20.00	S1	str chl-carb slip @20
419.40	35.00	S0	banding
421.50	22.00	Vcc	carb-py VN @22 - vuggy
422.80	50.00	S1	str chl-carb slip in ground & broken core
423.90	30.00	S0	banding
436.90	40.00	S0	banding
442.90	45.00	S0	banding
454.50	62.00	S0	banding
460.70	22.00	S0	banding
471.50	20.00	S0	banding
477.10	30.00	S0	banding
482.50	33.00	Flt	Bx Chl FLT - 2cm seam
490.20	38.00	S0	banding
493.10	50.00	S1	str chl slip @50
506.80	40.00	S0	banding
512.80	50.00	Cnt	IFG-SM
514.60	30.00	Cnt	IFG-IDB

End of Structures ; 77 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Hole: RH-12-34

Easting: 412224.80 **Northing:** 5334096.00 **Elevation:** 402.90
AltEasting: 0.00 **AltNorthing:** 0.00 **AltElevation:** 0.00
Azimuth: 180.00 **Dip:** -45.00 **Length:** 135.00 *m.*
AltAzimuth: 0.00

Hole Type: DDH **Zone:** Radio Hill **Contractor:** NPLH
Started: 05/09/12 **Finished:** 05/09/12 **Logged By:** Ken Rattee

Claim Number: **Cemented:** **Surveyed:** **Casing:**

Township:

Description:

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
50.00	190.40	0.00	-46.30		

101.00	172.20	0.00	-44.67		
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End of Deviations ; 2 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	0.00	15.00	OVB																		
0	15.00	79.30	IF-F - banded mag-chert, banded texture fairly well preserved outside of oxidized intervals, banding generally @40-50 with mag bands generally 0.5-2.0cm, 30% mag - 50% chert - 5% stlp, black stlp as fine laminations (1-2mm) in the chert, locally highly oxidized with ground core over the initial 60 metres	107753	15.00	20.00	5.00	47.80	1.89	38.50	1.83	0.37	0.02	0.01	0.09	0.14	0.06	0.02	0.01	0.31	
2	16.70	17.00	IF-F - oxidized with ground core																		
2	18.00	19.60	IF-F - oxidized with minor ground core																		
2	19.90	23.20	IF-F - oxidized with ground & broken core	107754 107755	20.00 23.00	23.00 26.00	3.00 3.00	54.80 49.80	2.49 0.94	33.10 39.60	1.52 1.42	0.18 0.22	0.01 0.02	0.01 0.01	0.14 0.03	0.10 0.13	0.04 0.06	0.03 0.02	0.01 0.01	0.43 0.25	
2	23.90	24.20	IF-F - oxidized with ground core																		
2	24.60	25.00	IF-F - oxidized with ground & broken core																		
2	27.10	27.80	IF-F - oxidized with local ground core	107756	26.00	29.00	3.00	50.70	0.44	44.70	1.06	0.18	0.01	0.01	0.02	0.13	0.03	0.02	0.01	0.03	
				107757	29.00	32.00	3.00	46.40	0.15	47.90	1.34	0.28	0.02	0.03	0.01	0.12	0.03	0.02	0.01	0.06	
				107758	32.00	35.00	3.00	46.40	0.40	46.00	1.46	0.42	0.01	0.06	0.03	0.12	0.03	0.02	0.01	0.39	
				107759	35.00	38.00	3.00	53.10	1.07	35.20	1.54	0.19	0.02	0.08	0.04	0.09	0.08	0.02	0.01	1.38	
				107760	38.00	41.00	3.00	45.90	0.22	46.50	1.29	0.29	0.02	0.04	0.01	0.13	0.04	0.02	0.01	0.38	
2	40.30	44.90	IF-F - oxidized with highly ground core - 3.6 metres of	107761 107763	41.00 44.40	44.40 47.00	3.40 2.60	57.30 50.40	2.77 0.26	32.80 39.00	0.88 1.64	0.06 0.16	0.02 0.01	0.01 0.06	0.14 0.01	0.20 0.11	0.03 0.09	0.02 0.02	0.01 0.01	0.47 1.47	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
			LOST CORE																		
2	47.10	48.60	IF-F - oxidized with local highly ground core	107765	47.00	50.00	3.00	47.90	0.17	43.00	1.53	0.41	0.01	0.02	0.01	0.09	0.07	0.02	0.01		2.18
2	52.10	54.60	IF-F - oxidized, broken core with local ground core	107766 107767	50.00 53.00	53.00 56.00	3.00 3.00	47.50 44.90	0.20 0.07	42.40 47.50	1.56 1.27	0.34 0.19	0.01 0.01	0.02 0.01	0.01 0.01	0.09 0.11	0.06 0.05	0.02 0.03	0.01 0.01		3.00 0.63
1	55.80	55.84	IF-G - vuggy 4 cm fg py strgr @22																		
2	58.80	59.30	IF-F - oxidized with local ground core	107769 107770	56.00 58.80	58.80 60.50	2.80 1.70	57.90 71.80	0.31 0.09	33.90 17.90	2.15 1.29	0.29 0.17	0.03 0.02	0.05 0.01	0.01 0.01	0.09 0.06	0.14 0.14	0.01 0.03	0.01 0.01		1.98 0.61
1	59.30	60.50	IF-H - siderite rich interval, massive, pale brown siderite, fract'd with qtz strgr's from 1-4cm thick includes a 4cm QV @60.0 @55, qtz strgr's generally @50, fairly featureless, homogeneous texture, 65% siderite - 15% qtz, siderite appears as a replacement alteration																		
				107771	60.50	65.00	4.50	44.80	0.06	46.20	1.65	0.59	0.01	0.01	0.01	0.09	0.06	0.02	0.01		0.29
				107772	65.00	68.00	3.00	47.30	0.06	52.70	0.84	0.42	0.01	0.01	0.01	0.07	0.01	0.02	0.01		0.31
				107773	68.00	71.00	3.00	48.30	0.08	51.20	0.72	0.15	0.02	0.01	0.01	0.08	0.01	0.02	0.01		0.09
				107774	71.00	74.00	3.00	47.70	0.10	51.00	1.00	0.13	0.01	0.01	0.01	0.08	0.02	0.02	0.01		0.31
				107775	74.00	77.00	3.00	50.60	0.05	48.40	0.53	0.07	0.01	0.01	0.01	0.07	0.02	0.02	0.01		0.17
2	76.80	77.40	IF-F - local hem alteration with hem replacing the chert bands, banded dark grey-red	107776	77.00	79.30	2.30	44.90	0.52	47.50	1.41	0.18	0.01	0.01	0.03	0.08	0.07	0.02	0.01		0.19

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %
0	79.30	82.00	IF-H - chert-siderite with only minor mag, pale brown-dark grey, banded texture fairly disrupted due to strong fracturing throughout, 5% mag - 30% siderite - 20% chert - 1% py, sharp natural contact with SM @40	107777	79.30	82.00	2.70	55.80	3.03	28.20	2.26	0.28	0.01	0.01	0.13	0.05	0.16	0.02	0.01	0.91
0	82.00	105.00	SM - dark grey to black, vfg, well sorted, typically finely bedded throughout @25-50, core failry broken throughout with local ground intervals, 1-2% fg-cg py with fract's, sharp, natural contact with SG @33	107778	82.00	86.00	4.00	62.20	16.80	10.60	1.71	0.14	0.22	3.34	0.66	0.09	0.09	0.03	0.02	0.43
2	87.10	87.30	SM - highly ground core, no evidence of significant structure																	
2	103.90	103.95	SM - highly ground core, no evidence of significant structure																	
0	105.00	135.00	SG - predominantly bleached pale greenish-grey, fg to mg, massive, poorly sorted with lithic clasts to 2 cm, possible Lapilli Tuff, 20% lithic frags throughout, moderately sericitized past 107.4, weak yellowish limonitic alt locally, primary texture fairly well preserved																	

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
17.00	20.00	3.00	0.00	0.00	1.40	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
20.00	23.00	3.00	0.00	0.00	1.70	0.00	2.66	0.00	0.00	0.00	0.00	0.00	
23.00	26.00	3.00	0.00	0.00	1.45	0.00	3.26	0.00	0.00	0.00	0.00	0.00	
26.00	29.00	3.00	0.00	0.00	0.25	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
29.00	32.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
32.00	35.00	3.00	0.00	0.00	0.10	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
35.00	38.00	3.00	0.00	0.00	0.60	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
38.00	41.00	3.00	0.00	0.00	0.55	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
41.00	44.00	3.00	0.00	0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	
44.00	47.00	3.00	0.00	0.00	1.20	0.00	2.87	0.00	0.00	0.00	0.00	0.00	
47.00	50.00	3.00	0.00	0.00	0.55	0.00	2.80	0.00	0.00	0.00	0.00	0.00	
50.00	53.00	3.00	0.00	0.00	0.70	0.00	2.70	0.00	0.00	0.00	0.00	0.00	
53.00	56.00	3.00	0.00	0.00	0.85	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
56.00	59.00	3.00	0.00	0.00	0.75	0.00	2.82	0.00	0.00	0.00	0.00	0.00	
59.00	62.00	3.00	0.00	0.00	0.35	0.00	2.85	0.00	0.00	0.00	0.00	0.00	
62.00	65.00	3.00	0.00	0.00	0.45	0.00	2.88	0.00	0.00	0.00	0.00	0.00	
65.00	68.00	3.00	0.00	0.00	0.55	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
68.00	71.00	3.00	0.00	0.00	0.20	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
71.00	74.00	3.00	0.00	0.00	0.20	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
74.00	77.00	3.00	0.00	0.00	0.70	0.00	2.83	0.00	0.00	0.00	0.00	0.00	
77.00	80.00	3.00	0.00	0.00	0.35	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
80.00	83.00	3.00	0.00	0.00	0.80	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
83.00	86.00	3.00	0.00	0.00	0.80	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
86.00	89.00	3.00	0.00	0.00	1.70	0.00	3.89	0.00	0.00	0.00	0.00	0.00	
89.00	92.00	3.00	0.00	0.00	1.65	0.00	3.45	0.00	0.00	0.00	0.00	0.00	
92.00	95.00	3.00	0.00	0.00	0.40	0.00	3.34	0.00	0.00	0.00	0.00	0.00	
95.00	98.00	3.00	0.00	0.00	0.50	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
98.00	101.00	3.00	0.00	0.00	0.70	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
101.00	104.00	3.00	0.00	0.00	1.25	0.00	3.49	0.00	0.00	0.00	0.00	0.00	
104.00	107.00	3.00	0.00	0.00	0.80	0.00	3.45	0.00	0.00	0.00	0.00	0.00	
107.00	110.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
110.00	113.00	3.00	0.00	0.00	0.05	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
113.00	116.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>%ces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>talReco</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				<i>%</i>			<i>%</i>						
116.00	119.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
119.00	122.00	3.00	0.00	0.00	0.20	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
122.00	125.00	3.00	0.00	0.00	0.65	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
125.00	128.00	3.00	0.00	0.00	0.20	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
128.00	131.00	3.00	0.00	0.00	0.15	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
131.00	134.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
134.00	135.00	1.00	0.00	0.00	0.00	0.00	1.10	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 40 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
16.70	17.00	Oxidized		
18.00	19.60	Oxidized		
19.90	23.20	Oxidized		
23.90	24.20	Oxidized		
24.60	25.00	Oxidized		
27.10	27.80	Oxidized		
40.30	44.90	Oxidized		
47.10	48.60	Oxidized		
52.10	54.60	Oxidized		
58.80	59.30	Oxidized		
59.30	60.50	siderite		
76.80	77.40	hematite		
107.40	135.00	sericite		
122.50	122.70	limonite		

End of Alterations ; 14 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
15.00	59.30	IF-F			30	0	0	0	0	50	0
59.30	60.50	IF-H			0	0	0	0	65	15	0
60.50	79.30	IF-F			30	1	0	0	0	50	0
79.30	82.00	IF-H			5	0	0	1	30	20	0

End of Mineralizations ; 4 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
3.50	50.00	S0	banding
15.30	40.00	S0	banding
28.50	50.00	S0	banding
46.00	43.00	S0	banding
50.10	50.00	S0	banding
60.00	55.00	VQ	5cm QV @55
61.70	45.00	S0	banding
68.60	35.00	S0	banding
78.90	35.00	S0	banding
82.00	40.00	Cnt	IFH-SM
122.70	30.00	S1	str chl slip - associated with limonitic alt

End of Structures ; 11 record(s) printed.

Hole: RH-12-35

Easting: 412098.10	Northing: 5334046.40	Elevation: 398.30
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 75.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: NPLH
Started: 05/10/12	Finished: 05/10/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
51.00	181.70	0.00	-42.30		

End of Deviations ; 2 record(s) printed.

75.00	187.80	0.00	-42.00		
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Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	0.00	12.00	OVB																		
0	12.00	75.00	SM - pale greenish-grey to locally grey, predominantly vfg to locally mg, well sorted, sub-rounded lithic frags evident very locally typically <5mm, bleached throughout due to sericitization, locally finely bedded @ generally 40 though typically massive, locally fract'd with irregular qtz-carb filling																		
2	12.30	12.70	SM - highly broken core no evidence of significant structure																		
2	14.70	15.10	SM - highly broken core no evidence of significant structure																		
2	16.10	16.30	SM - highly broken core no evidence of significant structure																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talRecover	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
12.00	15.00	3.00	0.00	0.00	1.10	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.80	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.40	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.60	0.00	3.29	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.10	0.00	3.22	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.25	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.60	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.10	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.10	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.20	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.00	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.00	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 21 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
22.60	37.00	Vcc	3cm carb strgr
24.20	42.00	S0	bedding
34.30	45.00	S0	bedding
41.70	47.00	S0	bedding
45.10	35.00	S1	str chl slip
47.10	0.00	Vcc	irregular carb fracturing to 5cm
48.70	30.00	S1	str chl slip
68.30	45.00	Vcc	2.5cm carb strgr
70.40	47.00	Vcc	3cm carb strgr

End of Structures ; 9 record(s) printed.

Hole: RH-12-36

Easting: 411951.50 **Northing:** 5334096.80 **Elevation:** 398.40
AltEasting: 0.00 **AltNorthing:** 0.00 **AltElevation:** 0.00
Azimuth: 180.00 **Dip:** -45.00 **Length:** 75.00 m.
AltAzimuth: 0.00
Hole Type: DDH **Zone:** Radio Hill **Contractor:** NPLH
Started: 05/10/12 **Finished:** 05/10/12 **Logged By:** Ken Rattee
Claim Number: **Cemented:** **Surveyed:** **Casing:**
Township:
Description:

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
51.00	178.30	0.00	-42.00		

End of Deviations ; 1 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	0.00	12.00	OVB																		
0	12.00	75.00	SM - pale greenish-grey to locally grey, predominantly vfg to locally mg, well sorted, sub-rounded lithic frags evident very locally typically <5mm, bleached throughout due to sericitization, locally finely bedded @ generally 40-55 though typically massive, locally fract'd with irregular qtz-carb filling																		
2	12.20	12.90	SM - broken & locally ground core, no evidence of significant structure																		
2	37.70	37.90	SM - ground & broken core, no evidence of significant structure																		
1	62.70	63.10	VQ - 40cm white calcite - bull qtz Vn @37 - not mineralized																		
2	65.50	65.80	SM - ground & broken core, no evidence of significant structure																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
12.00	15.00	3.00	0.00	0.00	1.30	0.00	2.72	0.00	0.00	0.00	0.00	0.00	
15.00	18.00	3.00	0.00	0.00	0.15	0.00	2.72	0.00	0.00	0.00	0.00	0.00	
18.00	21.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
21.00	24.00	3.00	0.00	0.00	0.05	0.00	3.22	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.45	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	0.45	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.55	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.20	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.10	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.15	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.15	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.15	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.10	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.35	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.15	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.10	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 21 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
26.40	27.00	Oxidized		

End of Alterations ; 1 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
15.80	27.00	S1	str chl-carb slip
17.00	48.00	S0	bedding
26.10	40.00	S0	bedding
36.50	56.00	S0	bedding
36.70	40.00	S1	str chl-carb slip @40
48.50	55.00	S0	bedding
52.80	45.00	S0	bedding
73.40	50.00	S0	bedding

End of Structures ; 8 record(s) printed.

Hole: RH-12-37

Easting: 411651.20	Northing: 5334196.80	Elevation: 403.90
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 74.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: NPLH
Started: 05/10/12	Finished: 05/10/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
51.00	179.90	0.00	-44.40		

End of Deviations ; 1 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	0.00	11.00	OVB																		
0	11.00	74.00	SM - pale greenish-grey to locally grey, predominantly vfg to locally mg, well sorted, sub-rounded lithic frags evident very locally typically <5mm, bleached throughout due to sericitization, fairly massive with only local fine bedding @ generally 40-50, locally fract'd with irregular qtz-carb filling																		
2	16.50	17.20	SM - ground & broken core, no evidence of significant structure																		
2	67.90	68.10	SM - ground & broken core, no evidence of significant structure																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>talReco</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				%			%						
11.00	14.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
14.00	17.00	3.00	0.00	0.00	1.40	0.00	3.50	0.00	0.00	0.00	0.00	0.00	
17.00	20.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
20.00	23.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
23.00	26.00	3.00	0.00	0.00	0.25	0.00	3.23	0.00	0.00	0.00	0.00	0.00	
26.00	29.00	3.00	0.00	0.00	0.85	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
29.00	32.00	3.00	0.00	0.00	0.20	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
32.00	35.00	3.00	0.00	0.00	0.10	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
35.00	38.00	3.00	0.00	0.00	0.35	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
38.00	41.00	3.00	0.00	0.00	0.05	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
41.00	44.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
44.00	47.00	3.00	0.00	0.00	0.15	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
47.00	50.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
50.00	53.00	3.00	0.00	0.00	0.25	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
53.00	56.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
56.00	59.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
59.00	62.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
62.00	65.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
65.00	68.00	3.00	0.00	0.00	0.45	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
68.00	71.00	3.00	0.00	0.00	0.10	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
71.00	74.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 21 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
25.50	27.40	Oxidized		

End of Alterations ; 1 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
24.30	47.00	Vcc	2.5cm Carb Strgr - not mineralized
25.10	47.00	S0	bedding
39.85	45.00	Vcc	10cm Carb-Qtz Strgr - not mineralized
41.20	45.00	S1	str chl slip
47.50	8.00	Vcc	5cm fract'd Carb-Qtz Strgr - not mineralized
51.60	65.00	S1	str chl slip
63.70	47.00	Vcc	6cm fract'd Carb-Qtz Strgr - not mineralized

End of Structures ; 7 record(s) printed.

Hole: RH-12-38

Easting: 411481.40	Northing: 5334220.40	Elevation: 385.10
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 170.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: NPLH
Started: 05/22/12	Finished: 05/22/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
50.00	182.50	0.00	-39.80		
170.00	186.50	0.00	-36.50		

102.00	184.30	0.00	-38.50		
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End of Deviations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	3.00	OVB																		
0	3.00	101.80	SM - pale grey to grey,fg, silty to sandy,typically massive & homogeneous in appearance, fine bedding only evident locally, <5% lithic frags to 5mm in size, typically very well sorted, primary texture well preserved, minor bull qtz-white carb fract's generally @40-60																		
2	17.40	17.47	VQ - 7cm bull qtz-carb strgr @45																		
2	22.30	22.38	VQ - 8cm bull qtz-carb strgr @37																		
2	32.30	32.36	VQ - 6cm bull qtz-carb strgr @40																		
1	40.20	40.90	IDD - pale grey, mg, intermediate dyke, equigranular texture, px-qtz-plag, bleached & sericitized, primary texture fairly well preserved, leading contact sharp @38, trailing contact sharp @42																		
3	40.20	40.90	SM - 70cm shear @47 -- abundant qtz-carb filled fract's (<=5mm thick)																		
2	51.10	51.15	VQ - 5cm bull qtz-carb strgr @50																		
3	66.80	67.30	SM - ground & broken core, no evidence of significant structure,																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %	
3	67.70	68.30	abundant, irregular, bull qtz-carb filled fract's SM - 40% bull qtz-carb filled, irregular fract's throughout this interval, no evidence of significant structure																		
2	95.20	95.50	SM - ground core with a str chl slip @30																		
0	101.80	130.80	VK - dark greenish-grey, mg to cg, cg, subhedral olivine in a slightly finer-grained, plag-px matrix, soft with minor talc replacement, minor cg biot, primary texture fairly well preserved, minor irregular carb fract's (hairline to 1cm thick), leading contact with SM sharp @80																		
1	114.30	115.00	IDB - dark greenish-grey, fg, equigranular, plag-px-oliv with minor biot, abundant secondary carb as reacts vigourously to HCl, very homogeneous in appearance, massive, leading contact sharp @58, trailing contact sharp @35																		
0	130.80	170.00	VB - dark grey, fg, massive, equigranular, plag-px-oliv, much finer-grained and harder than VK with no secondary talc replacement, primary texture well preserved, homogeneous in appearance, leading contact with VK very indistinct																		
2	140.10	140.14	VB - 4 cm vuggy, white carb strgr @33																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
2	145.00	145.06	VB - 3-9cm highly, irregular carb strgr @10-50																		
2	165.60	165.64	VB - 4cm bull qtz-carb strgr @35																		

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
5.00	8.00	3.00	0.00	0.00	0.15	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
8.00	11.00	3.00	0.00	0.00	0.05	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
11.00	14.00	3.00	0.00	0.00	0.10	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
14.00	17.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
17.00	20.00	3.00	0.00	0.00	0.15	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
20.00	23.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
23.00	26.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
26.00	29.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
29.00	32.00	3.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
32.00	35.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
35.00	38.00	3.00	0.00	0.00	0.05	0.00	3.09	0.00	0.00	0.00	0.00	0.00	
38.00	41.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
41.00	44.00	3.00	0.00	0.00	0.20	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
44.00	47.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
47.00	50.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
50.00	53.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
53.00	56.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
56.00	59.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
59.00	62.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
62.00	65.00	3.00	0.00	0.00	0.05	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
65.00	68.00	3.00	0.00	0.00	0.70	0.00	3.24	0.00	0.00	0.00	0.00	0.00	
68.00	71.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
71.00	74.00	3.00	0.00	0.00	0.00	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
74.00	77.00	3.00	0.00	0.00	0.10	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
77.00	80.00	3.00	0.00	0.00	0.05	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
80.00	83.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
83.00	86.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
86.00	89.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
89.00	92.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
92.00	95.00	3.00	0.00	0.00	0.00	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
95.00	98.00	3.00	0.00	0.00	0.40	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
98.00	101.00	3.00	0.00	0.00	0.15	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
101.00	104.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%								
104.00	107.00	3.00	0.00	0.00	0.00	0.00	3.23	0.00	0.00	0.00	0.00	0.00	
107.00	110.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
110.00	113.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
113.00	116.00	3.00	0.00	0.00	0.00	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
116.00	119.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
119.00	122.00	3.00	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
122.00	125.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
125.00	128.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
128.00	131.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
131.00	134.00	3.00	0.00	0.00	0.10	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
134.00	137.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
137.00	140.00	3.00	0.00	0.00	0.20	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
140.00	143.00	3.00	0.00	0.00	0.25	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
143.00	146.00	3.00	0.00	0.00	0.05	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
146.00	149.00	3.00	0.00	0.00	0.10	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
149.00	152.00	3.00	0.00	0.00	0.05	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
152.00	155.00	3.00	0.00	0.00	0.00	0.00	3.19	0.00	0.00	0.00	0.00	0.00	
155.00	158.00	3.00	0.00	0.00	0.00	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
158.00	161.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
161.00	164.00	3.00	0.00	0.00	0.00	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
164.00	167.00	3.00	0.00	0.00	0.00	0.00	2.89	0.00	0.00	0.00	0.00	0.00	
167.00	170.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 55 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
5.30	26.00	S1	str chl slip
17.00	54.00	S1	str chl-carb slip
24.90	45.00	S0	bedding
40.55	47.00	S1	70cm shear @47
65.80	52.00	S0	bedding
74.60	50.00	S0	bedding
95.35	30.00	S1	str chl slip in 30cm of ground & broken core
101.80	80.00	Cnt	SM / VK
114.30	58.00	Cnt	VK / IDB
115.00	35.00	Cnt	IDB / VK

End of Structures ; 10 record(s) printed.

Hole: RH-12-39

Easting: 411498.40 **Northing:** 5334499.20 **Elevation:** 373.40
AltEasting: 0.00 **AltNorthing:** 0.00 **AltElevation:** 0.00
Azimuth: 180.00 **Dip:** -45.00 **Length:** 342.00 *m.*
AltAzimuth: 0.00

Hole Type: DDH **Zone:** Radio Hill **Contractor:** NPLH
Started: 05/23/12 **Finished:** **Logged By:** Ken Rattee

Claim Number: **Cemented:** **Surveyed:** **Casing:**

Township:

Description:

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
102.00	180.80	0.00	-41.90		
202.00	184.20	0.00	-40.00		
342.00	188.60	0.00	-38.10		

153.00	182.20	0.00	-41.50		
252.00	185.60	0.00	-39.90		

End of Deviations ; 5 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	V2O5	S	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	0.00	27.00	OVB																		
0	27.00	63.50	VK - dark grey, soft & talcose, massive, fg to mg, oliv-px-plag, oliv typically slight coarser-grained than px-plag, moderately to highly fract'd throughout with abundant highly irregular white carb fract-filling, soft-greasy feel due to talc replacement, local intense fracturing results in a local bx with white carb cementing, primary texture somewhat obliterated due to talc alt & fracturing, sharp, natural trailing contact with IDB @50																		
2	29.80	30.10	VQ - 30cm white carb-bull qtz vn @33 - doesn't appear mineralized																		
3	40.60	41.00	FZ - Str Chl-Carb-Talc FLT @35 - 40 cm highly sh'd, abundant chl mud																		
2	41.00	41.40	VQ - 40cm bull qtz-white carb vn @30 - no evidence of mineralization																		
4	60.20	60.60	VK - localized coarse spinifex texture																		
0	63.50	79.70	IDB - dark grey, massive, fg to mg, equigranular plag-px-qtz, primary texture well preserved, featureless, very homogeneous in appearance, trailing contact with VK sharp @30																		
2	68.60	68.68	VN-CARB - 8cm white carb-epid Vn @52																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								%	%	%	%	%	%	%	%	%	%	%	%	%	%
0	79.70	98.00	VK - dark grey to brownish-green, soft with talc-serpentine alteration, massive, olivine-px-plag somewhat altered to talc-serp, fg to mg, highly fract'd throughout with abundant highly irregular carb fract-filling																		
3	81.20	81.50	VK - ground & broken core, no evidence of significant structure																		
3	82.30	82.50	VK - ground & broken core, no evidence of significant structure																		
3	82.70	83.10	VK - ground & broken core, no evidence of significant structure																		
3	83.70	84.00	VK - ground & broken core, no evidence of significant structure																		
2	85.70	85.72	VQ - 6cm bull Qtz Vn @57																		
0	98.00	126.50	SC - pale to dark grey, banded chert-mudstone with chert dominating, banding generally @40-50, generally 25% mudstone - 50% chert, 4% fg py generally as 2-5 mm strgrs concordant to bedding, py strgrs locally highly conc, leading contact with VK sharp @37																		
1	104.00	104.80	IDD - pale grey, intermediate dyke fg, massive, equigranular, plag-hblde-px, bleached & highly sericitized, leading contact sharp																		

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %	
			@52, trailing contact sharp @45																		
2	106.70	108.70	QTZ - becomes highly silicified with 50% bx Frag Qtz with subangular qtz frags typically from 0.5-3.0cm, cemented by highly bleached, sericitized SC, pyritized throughout, 5% fg to mg py as a fract-filling locally highly conc, 70% sil - 5% py																		
1	108.70	113.50	SC - highly pyritized, 10% fg to cg py as a fracture-filling concordant to banding and a local massive mudstone replacement hgihly conc between 111.2-111.6, cg py typically euhedral, chert poor with abundant mudstone, 35% chert - 10% py																		
2	109.60	110.00	QTZ - 40cm QV @15 - massive greyish qtz with 2% fg py																		
2	118.50	118.54	PY - 4cm py strgr @30																		
0	126.50	139.90	IF-F - banded mag-chert, pale to dark grey, typical banded texture fairly well preserved with banding generally @40-50 and 0.5-3.0cm thick, 35% mag - 45% chert - 3% siderite - 3% po, fg po as a local mag replacement locally highly conc, leading contact with SC indistinct, siderite as a local chert replacement	107798	122.30	126.50	4.20	45.30	0.42	32.10	2.85	0.64	0.01	0.02	0.02	0.12	0.16	0.03	0.01	0.33	
				107799	126.50	129.00	2.50	50.20	0.32	39.70	1.98	1.49	0.04	0.13	0.01	0.14	0.08	0.01	0.01	0.10	
				107800	129.00	132.00	3.00	47.00	0.17	47.20	1.61	0.83	0.02	0.08	0.01	0.16	0.05	0.01	0.01	0.08	
				107801	132.00	135.00	3.00	49.00	0.15	47.40	1.57	0.76	0.02	0.08	0.01	0.16	0.03	0.01	0.01	0.03	
				107802	135.00	138.00	3.00	50.30	0.80	40.30	1.72	1.15	0.10	0.28	0.03	0.14	0.06	0.01	0.01	1.19	
				107803	138.00	139.90	1.90	46.00	0.34	39.20	1.81	1.25	0.06	0.14	0.01	0.14	0.08	0.02	0.01	0.33	
0	139.90	147.00	SC - banded mudstone-chert, pale to dark grey, banding generally @40-50, primary	107804	139.90	144.00	4.10	54.90	1.70	26.10	2.26	2.22	0.14	0.34	0.06	0.09	0.09	0.02	0.01	0.67	
				107805	144.00	147.00	3.00	55.20	2.49	22.70	2.48	4.34	0.05	0.11	0.10	0.11	0.16	0.02	0.01	0.63	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %
0	147.00	151.90	texture fairly well preserved, locally chl rich with associated fg po as a replacement & fract-filling, 60% chert - 25% mudstone - 5% chl - 2% po, chl as a mudstone replacement IDD - grey, fg, equigranular, massive, homogeneous in appearance, plag-px-qtz, primary texture well preserved, leading contact sharp @13, trailing contact sharp @60	107806	147.00	151.90	4.90	49.60	14.30	11.50	4.94	5.92	3.86	0.02	0.90	0.37	0.09	0.02	0.04	0.03
0	151.90	153.60	SC - grey, chert-rich with only minor mudstone bands, primary texture fairly well preserved, 70% chert - 20% mudstone - 5% chl - 3 % siderite, massive chert locally	107807	151.90	153.60	1.70	69.60	3.63	14.60	1.95	2.97	0.06	0.04	0.18	0.12	0.08	0.02	0.01	0.34
0	153.60	179.50	IF-F - banded mag-chert, pale to dark grey, typical banded texture fairly well preserved with banding generally @35-40 and 1.0-6.0cm thick, 30% mag - 45% chert - 5% siderite - 3% po, fg po as a local mag replacement & fract-filling locally highly conc and typically associated with chl, siderite as a local chert replacement	107808 107809	153.60 156.80	156.80 162.00	3.20 5.20	49.80 52.70	1.43 0.72	32.90 34.10	1.98 2.36	2.54 1.04	0.13 0.06	0.32 0.15	0.06 0.02	0.18 0.28	0.06 0.06	0.02 0.02	0.01 0.01	0.52 1.14
1	157.20	157.60	IF-G - local po-chl rich interval, 30% fg po as a mag replacement & fract-filling, locally massive																	
3	158.10	159.00	IFF - ground & broken core, no evidence of significant structure																	
				107810	162.00	165.00	3.00	52.00	0.39	32.30	2.33	1.25	0.05	0.15	0.02	0.36	0.07	0.02	0.01	0.23
				107811	165.00	168.00	3.00	50.10	0.40	33.80	2.49	1.11	0.06	0.16	0.02	0.34	0.10	0.02	0.01	0.31
				107812	168.00	171.00	3.00	47.50	0.32	32.40	2.38	1.08	0.05	0.11	0.01	0.29	0.07	0.03	0.01	0.15
				107813	171.00	174.00	3.00	45.70	0.39	34.60	2.16	1.60	0.07	0.13	0.02	0.19	0.05	0.02	0.01	0.17

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %
1	178.40	178.90	IDD - grey, fg, equigranular, massive, homogeneous in appearance, plag-px-qtz, primary texture well preserved, leading contact sharp @38, trailing contact sharp @52	107814	174.00	177.00	3.00	50.10	0.28	36.60	1.75	1.34	0.04	0.10	0.01	0.19	0.03	0.02	0.01	0.05
				107815	177.00	179.50	2.50	44.60	3.49	33.80	3.57	2.83	0.29	0.18	0.26	0.34	0.05	0.03	0.01	0.33
0	179.50	184.40	IF-H - pale brown to dark grey, banded chert/siderite - mudstone/mag, banded texture fairly well preserved, only very minor mag bands, banding generally @40, 7% mag - 25% siderite - 35% chert - 20% mudstone, pale brown siderite as a mag & chert replacement, contacts indistinct	107816	179.50	184.40	4.90	50.70	0.76	29.90	2.16	0.95	0.05	0.18	0.03	0.17	0.07	0.02	0.01	0.56
0	184.40	194.90	IF-G - heterogeneous mix of chl-po rich intervals and siderite rich intervals with chl-po dominating, primary banded texture obliterated in the chl-po rich intervals to locally fairly well preserved in the siderite- rich intervals, banding where evident generally @40, 3% mag - 40% chert - 10% siderite - 15% chl - 15% po, only very minor mag evident, fg po as a fract-filling & replacement locally massive in highly chloritized intervals, siderite as fract-filling & a mag replacement locally massive, trailing contact sharp @42	107817	184.40	189.00	4.60	42.40	4.29	33.50	3.64	3.07	0.08	0.12	0.27	0.16	0.32	0.02	0.01	4.64
				107818	189.00	192.00	3.00	33.60	3.76	43.20	2.61	1.52	0.10	0.04	0.14	0.13	0.31	0.01	0.01	8.66
				107819	192.00	194.90	2.90	26.50	6.93	49.70	2.95	1.02	0.06	0.02	0.22	0.11	0.33	0.01	0.01	11.80
0	194.90	211.00	SC - grey to dark grey, banded chert- mudstone, banding generally @20-30, primary texture fairly well preserved, somewhat fract'd throughout with irregular, chl-siderite hairline fract's, 60% chert - 25% mudstone - 5% siderite, siderite as a local replacement & fract-filling, trailing contact with IFH indistinct	107820	194.90	198.00	3.10	58.70	0.28	24.40	2.31	0.48	0.01	0.01	0.01	0.08	0.20	0.03	0.01	0.38
0	211.00	219.20	IF-H - pale brown to dark grey, banded	107821	211.00	216.00	5.00	58.60	0.67	23.90	2.20	0.66	0.03	0.05	0.02	0.11	0.16	0.03	0.01	0.75
				107823	216.00	219.20	3.20	42.50	1.42	33.90	2.90	0.95	0.05	0.13	0.06	0.10	0.32	0.02	0.01	3.16

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
0	219.20	224.30	chert/siderite - mudstone, banded texture fairly well preserved to somewhat obliterated where fract'd, banding generally @45, 2% mag - 20% siderite - 25% chert - 30% mudstone, pale brown siderite as a mag & chert replacement & fract-filling, mag as minor frags to 1cm, contacts indistinct	107825	219.20	222.00	2.80	47.90	0.09	37.40	3.17	1.12	0.02	0.05	0.01	0.09	0.20	0.01	0.01	0.05	
			IF-F - banded mag-chert/mudstone, pale to dark grey, chert-poor, typical banded texture fairly well preserved with banding generally @25-35 and 0.5-3.0cm thick, 25% mag - 30% chert - 10% siderite - 25% mudstone, fg po as a local mag replacement & fract-filling locally highly conc and typically associated with chl, siderite as a local chert replacement & fract-filling	107827	222.00	226.10	4.10	60.70	0.27	25.40	2.12	0.69	0.02	0.06	0.01	0.05	0.11	0.02	0.01	0.30	
0	224.30	226.10	IF-H - pale brown to dark grey, banded texture obliterated due to intense fracturing throughout, 5% mag - 35% siderite - 25% chert - 15% mudstone, pale brown siderite as a mag & chert replacement & fract-filling, mag as minor angular frags to 1cm, contacts indistinct, fracturing results in a BX texture																		
0	226.10	234.00	IF-F - dark grey to pale brown, banded mag - siderite/chert/mudstone, banding generally @20-30, mag bands generally 0.5-3.0cm, 40% mag - 15% siderite - 20% chert - 10% minn, siderite as a chert replacement & fract-filling locally massive, green minn as a local chert replacement, chert poor throughout interval	107828	226.10	228.00	1.90	47.10	0.40	33.40	2.81	1.21	0.06	0.12	0.01	0.21	0.17	0.02	0.01	0.44	
				107829	228.00	231.00	3.00	44.90	0.21	38.10	3.02	1.36	0.05	0.07	0.01	0.17	0.14	0.01	0.01	0.27	
				107830	231.00	234.00	3.00	42.50	0.15	39.80	3.05	1.58	0.03	0.05	0.01	0.14	0.10	0.02	0.01	0.12	
0	234.00	239.70	IF-H - pale brown to dark grey, banded texture fairly well preserved to locally obliterated due to intense fracturing, banding generally @20-30, 5% mag - 25% siderite -	107831	234.00	237.00	3.00	52.90	0.80	27.80	2.31	0.86	0.03	0.19	0.03	0.09	0.10	0.02	0.01	1.17	
				107832	237.00	239.70	2.70	48.50	1.40	29.20	2.48	1.14	0.02	0.32	0.06	0.10	0.10	0.02	0.01	0.85	

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Lithology and Assays:

Level	From	To	Description	Sample Number	From	To	length	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	S %	
			35% chert - 15% mudstone, pale brown siderite as a mag & chert replacement & fract-filling, minor mag bands & frag, contacts indistinct																		
0	239.70	241.90	IF-F - dark grey to pale brown, banded mag - siderite/chert, banding generally @25-35, mag bands generally 0.5-2.0cm, 35% mag - 10% siderite - 40% chert, siderite as a chert replacement & fract-filling	107833	239.70	241.90	2.20	39.20	0.12	40.20	2.88	1.80	0.03	0.03	0.01	0.10	0.09	0.01	0.01	0.17	
0	241.90	255.30	IF-H - pale brown to grey, banded texture fairly well preserved to locally somewhat obliterated due to fracturing, banding generally @25-35, 15% siderite -35% chert - 35% mudstone, pale brown siderite as a mag & chert replacement & fract-filling locally conc, contacts indistinct	107834 107835	241.90 246.00	246.00 249.00	4.10 3.00	45.00 41.50	1.45 0.26	31.10 32.60	2.70 3.06	1.01 1.96	0.07 0.01	0.24 0.02	0.06 0.01	0.11 0.11	0.14 0.18	0.01 0.02	0.01 0.01	1.08 0.26	
2	246.20	246.40	VQ - 20cm white bull Qtz Vn @25 - adj wallrock bleached & altered																		
				107836	249.00	252.00	3.00	40.40	0.38	33.60	3.01	1.85	0.01	0.06	0.01	0.14	0.16	0.01	0.01	0.17	
2	249.60	249.70	VQ - 10cm white bull Qtz Vn @35 - adj wallrock bleached & altered																		
				107837	252.00	255.20	3.20	43.90	0.28	32.90	3.00	1.29	0.01	0.04	0.01	0.14	0.17	0.02	0.01	0.50	
3	253.00	253.20	IF-H - ground & broken core, no evidence of significant structure																		
				107838	255.20	258.00	2.80	41.50	0.12	39.90	3.43	1.34	0.01	0.05	0.01	0.13	0.20	0.01	0.01	0.24	
0	255.30	330.60	IF-F - grey to dark grey, banded mag-chert, banded texture fairly well preserved, mag bands generally @30-40 & 0.5-4.0cm thick, 30% mag - 45% chert - 10% minn -	107839 107840 107841 107842	258.00 261.00 264.00 267.00	261.00 264.00 267.00 270.00	3.00 3.00 3.00 3.00	45.70 51.50 46.10 49.20	0.10 0.05 0.06 0.23	41.20 39.80 44.70 39.40	3.63 3.47 3.61 3.77	1.59 1.10 1.35 1.66	0.01 0.01 0.02 0.03	0.05 0.04 0.05 0.08	0.01 0.01 0.01 0.01	0.10 0.10 0.12 0.06	0.20 0.14 0.16 0.18	0.01 0.01 0.01 0.01	0.01 0.01 0.01 0.01	0.12 0.15 0.16 0.60	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
			2% po - 2% siderite, green minn as a local chert replacement, fg po as a local replacement & fract-filling, siderite as a local mag replacement																		
1	269.80	270.10	IF-G - local po-rich interval with 50% fg po as a massive mag replacement & local fract-filling, 50% po - 25% chert -15% chl	107843	270.00	273.00	3.00	38.40	0.90	45.20	3.94	0.95	0.08	0.23	0.03	0.12	0.43	0.01	0.01	3.46	
1	272.80	273.20	IF-G - local po-rich interval with 30% fg po as a fract-filling & mag replacement, 35% po - 15% mag - 20% chert - 15% chl	107844	273.00	276.00	3.00	48.10	0.60	41.10	3.99	1.30	0.03	0.09	0.04	0.11	0.19	0.01	0.01	0.86	
				107845	276.00	279.00	3.00	45.50	0.10	44.50	3.91	1.68	0.01	0.05	0.01	0.11	0.17	0.01	0.01	0.17	
				107846	279.00	282.00	3.00	53.00	0.11	37.50	3.55	1.36	0.02	0.06	0.01	0.07	0.22	0.01	0.01	0.25	
				107847	282.00	285.00	3.00	68.60	0.23	24.40	3.02	0.71	0.03	0.10	0.01	0.02	0.15	0.01	0.01	0.83	
				107848	285.00	288.00	3.00	52.70	0.08	36.70	3.55	1.00	0.02	0.05	0.01	0.03	0.29	0.01	0.01	1.00	
				107849	288.00	291.00	3.00	60.20	0.11	31.30	2.98	0.98	0.01	0.05	0.01	0.05	0.20	0.01	0.01	1.00	
				107850	291.00	294.00	3.00	57.60	0.05	29.30	2.80	0.81	0.01	0.02	0.01	0.04	0.28	0.01	0.01	0.16	
2	292.20	292.60	VQ - 40cm white bullish QV @42																		
				107851	294.00	297.00	3.00	61.10	0.04	30.60	2.94	0.80	0.02	0.02	0.01	0.02	0.14	0.01	0.01	0.13	
				107853	297.00	300.00	3.00	57.20	0.04	33.90	3.40	1.14	0.01	0.02	0.01	0.01	0.13	0.01	0.01	0.06	
				107855	300.00	303.00	3.00	57.90	0.04	34.20	3.45	1.87	0.02	0.02	0.01	0.03	0.10	0.01	0.01	0.05	
				107857	303.00	306.00	3.00	58.60	0.04	33.20	3.34	1.54	0.02	0.02	0.01	0.04	0.07	0.01	0.01	0.06	
				107858	306.00	309.00	3.00	67.60	0.05	25.90	2.66	0.72	0.02	0.02	0.01	0.03	0.09	0.01	0.01	0.06	
				107859	309.00	312.00	3.00	45.50	0.08	38.30	4.00	1.39	0.01	0.05	0.01	0.03	0.23	0.01	0.01	0.27	
2	311.80	311.90	VQ - 10cm white bullish QV @35																		
				107860	312.00	315.00	3.00	42.00	0.05	36.90	3.73	1.67	0.01	0.02	0.01	0.03	0.21	0.02	0.01	0.07	

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Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %
0	330.60	342.00	SG - greenish-grey, mix of fg mudstone and a mg greywacke with minor lithic frags to 1 cm. greywacke dominates, bedding evident locally @40-50 otherwise massive, leading contact with IFF sharp @48	107861	315.00	318.00	3.00	43.00	0.04	45.90	4.30	1.34	0.02	0.03	0.01	0.04	0.15	0.01	0.01	0.11
				107862	318.00	321.00	3.00	42.90	0.07	46.80	4.28	1.88	0.01	0.03	0.01	0.07	0.15	0.01	0.01	0.09
				107863	321.00	324.00	3.00	46.30	0.07	42.90	4.36	1.40	0.02	0.03	0.01	0.07	0.15	0.01	0.01	0.21
				107864	324.00	327.00	3.00	46.80	0.17	39.10	4.16	2.05	0.02	0.08	0.01	0.18	0.17	0.01	0.01	0.44
				107865	327.00	330.60	3.60	52.40	2.90	28.30	3.11	1.29	0.04	0.11	0.14	0.09	0.21	0.01	0.01	0.85
				107866	330.60	336.00	5.40	53.20	13.20	7.54	3.72	7.78	2.01	1.59	0.54	0.11	0.16	0.06	0.02	0.03

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
27.00	30.00	3.00	0.00	0.00	1.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	0.70	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.00	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	0.80	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.65	0.00	3.32	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.50	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.90	0.00	2.93	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	1.20	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.35	0.00	2.86	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.05	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.65	0.00	2.78	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.45	0.00	3.46	0.00	0.00	0.00	0.00	0.00	
69.00	72.00	3.00	0.00	0.00	0.60	0.00	2.85	0.00	0.00	0.00	0.00	0.00	
72.00	75.00	3.00	0.00	0.00	0.45	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
75.00	78.00	3.00	0.00	0.00	0.40	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
78.00	81.00	3.00	0.00	0.00	1.30	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
81.00	84.00	3.00	0.00	0.00	1.40	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
84.00	87.00	3.00	0.00	0.00	0.20	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
87.00	90.00	3.00	0.00	0.00	0.55	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
90.00	93.00	3.00	0.00	0.00	0.90	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
93.00	96.00	3.00	0.00	0.00	0.10	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
96.00	99.00	3.00	0.00	0.00	0.25	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
99.00	102.00	3.00	0.00	0.00	0.35	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
102.00	105.00	3.00	0.00	0.00	0.40	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
105.00	108.00	3.00	0.00	0.00	1.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
108.00	111.00	3.00	0.00	0.00	0.85	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
111.00	114.00	3.00	0.00	0.00	0.35	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
114.00	117.00	3.00	0.00	0.00	0.15	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
117.00	120.00	3.00	0.00	0.00	0.35	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
120.00	123.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
123.00	126.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	

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RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>talReco</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
126.00	129.00	3.00	0.00	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
129.00	132.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
132.00	135.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
135.00	138.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
138.00	141.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
141.00	144.00	3.00	0.00	0.00	0.15	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
144.00	147.00	3.00	0.00	0.00	0.10	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
147.00	150.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
150.00	153.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
153.00	156.00	3.00	0.00	0.00	0.05	0.00	2.74	0.00	0.00	0.00	0.00	0.00	
156.00	159.00	3.00	0.00	0.00	0.65	0.00	3.05	0.00	0.00	0.00	0.00	0.00	
159.00	162.00	3.00	0.00	0.00	0.40	0.00	3.80	0.00	0.00	0.00	0.00	0.00	
162.00	165.00	3.00	0.00	0.00	0.15	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
165.00	168.00	3.00	0.00	0.00	0.20	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
168.00	171.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
171.00	174.00	3.00	0.00	0.00	0.25	0.00	2.99	0.00	0.00	0.00	0.00	0.00	
174.00	177.00	3.00	0.00	0.00	0.65	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
177.00	180.00	3.00	0.00	0.00	0.55	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
180.00	183.00	3.00	0.00	0.00	0.65	0.00	3.02	0.00	0.00	0.00	0.00	0.00	
183.00	186.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
186.00	189.00	3.00	0.00	0.00	0.05	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
189.00	192.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
192.00	195.00	3.00	0.00	0.00	0.05	0.00	2.92	0.00	0.00	0.00	0.00	0.00	
195.00	198.00	3.00	0.00	0.00	0.35	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
198.00	201.00	3.00	0.00	0.00	0.10	0.00	3.03	0.00	0.00	0.00	0.00	0.00	
201.00	204.00	3.00	0.00	0.00	0.25	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
204.00	207.00	3.00	0.00	0.00	0.10	0.00	3.15	0.00	0.00	0.00	0.00	0.00	
207.00	210.00	3.00	0.00	0.00	0.30	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
210.00	213.00	3.00	0.00	0.00	0.30	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
213.00	216.00	3.00	0.00	0.00	0.15	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
216.00	219.00	3.00	0.00	0.00	0.20	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
219.00	222.00	3.00	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
222.00	225.00	3.00	0.00	0.00	0.10	0.00	2.94	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

From	To	length	Pces>100	Calcu	RQPces<100	talReco	Recovery	Fractures	sacts/Leng	Veins	ains/Leng	Angle	Description
			%		%		%						
225.00	228.00	3.00	0.00	0.00	0.30	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
228.00	231.00	3.00	0.00	0.00	0.35	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
231.00	234.00	3.00	0.00	0.00	0.05	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
234.00	237.00	3.00	0.00	0.00	0.30	0.00	2.91	0.00	0.00	0.00	0.00	0.00	
237.00	240.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
240.00	243.00	3.00	0.00	0.00	0.00	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
243.00	246.00	3.00	0.00	0.00	0.10	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
246.00	249.00	3.00	0.00	0.00	0.90	0.00	2.80	0.00	0.00	0.00	0.00	0.00	
249.00	252.00	3.00	0.00	0.00	0.65	0.00	2.78	0.00	0.00	0.00	0.00	0.00	
252.00	255.00	3.00	0.00	0.00	0.45	0.00	2.77	0.00	0.00	0.00	0.00	0.00	
255.00	258.00	3.00	0.00	0.00	0.15	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
258.00	261.00	3.00	0.00	0.00	0.05	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
261.00	264.00	3.00	0.00	0.00	0.05	0.00	3.11	0.00	0.00	0.00	0.00	0.00	
264.00	267.00	3.00	0.00	0.00	0.00	0.00	3.10	0.00	0.00	0.00	0.00	0.00	
267.00	270.00	3.00	0.00	0.00	0.05	0.00	2.88	0.00	0.00	0.00	0.00	0.00	
270.00	273.00	3.00	0.00	0.00	0.10	0.00	2.97	0.00	0.00	0.00	0.00	0.00	
273.00	276.00	3.00	0.00	0.00	0.00	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
276.00	279.00	3.00	0.00	0.00	0.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
279.00	282.00	3.00	0.00	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
282.00	285.00	3.00	0.00	0.00	0.05	0.00	3.12	0.00	0.00	0.00	0.00	0.00	
285.00	288.00	3.00	0.00	0.00	0.10	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
288.00	291.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
291.00	294.00	3.00	0.00	0.00	0.15	0.00	3.01	0.00	0.00	0.00	0.00	0.00	
294.00	297.00	3.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	0.00	
297.00	300.00	3.00	0.00	0.00	0.05	0.00	3.08	0.00	0.00	0.00	0.00	0.00	
300.00	303.00	3.00	0.00	0.00	0.00	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
303.00	306.00	3.00	0.00	0.00	0.05	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
306.00	309.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
309.00	312.00	3.00	0.00	0.00	0.05	0.00	2.98	0.00	0.00	0.00	0.00	0.00	
312.00	315.00	3.00	0.00	0.00	0.05	0.00	3.13	0.00	0.00	0.00	0.00	0.00	
315.00	318.00	3.00	0.00	0.00	0.10	0.00	2.96	0.00	0.00	0.00	0.00	0.00	
318.00	321.00	3.00	0.00	0.00	0.10	0.00	3.06	0.00	0.00	0.00	0.00	0.00	
321.00	324.00	3.00	0.00	0.00	0.00	0.00	3.08	0.00	0.00	0.00	0.00	0.00	

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100%</i>	<i>CalcuRQPces<100%</i>	<i>talRecover</i>	<i>Recovery%</i>	<i>Fracturesacts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
324.00	327.00	3.00	0.00	0.00	0.05	0.00	3.02	0.00	0.00	0.00	
327.00	330.00	3.00	0.00	0.00	0.05	0.00	3.04	0.00	0.00	0.00	
330.00	333.00	3.00	0.00	0.00	0.20	0.00	2.91	0.00	0.00	0.00	
333.00	336.00	3.00	0.00	0.00	0.00	0.00	3.00	0.00	0.00	0.00	
336.00	339.00	3.00	0.00	0.00	0.35	0.00	3.04	0.00	0.00	0.00	
339.00	342.00	3.00	0.00	0.00	0.05	0.00	3.32	0.00	0.00	0.00	

End of RQD ; 105 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
27.00	63.50	talc		
79.70	98.00	talc-serpentine		
104.00	104.80	sericite		

End of Alterations ; 3 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
106.70	108.70	QTZ			0	0	0	5	0	70	0
108.70	113.50	SC			0	0	0	10	0	35	0
126.50	139.90	IF-F			35	0	3	0	3	45	0
139.90	147.00	SC			0	0	2	0	0	60	0
151.90	153.60	SC			0	0	0	0	3	70	0
153.60	179.50	IF-F			30	0	3	0	5	45	0
179.50	184.40	IF-H			7	0	0	0	25	35	0
184.40	194.90	IF-G			3	0	15	0	10	40	0
194.90	211.00	SC			0	0	0	0	5	60	0
211.00	219.20	IF-H			2	0	0	0	20	25	0
219.20	224.30	IF-F			25	0	0	0	10	30	0
224.30	226.10	IF-H			5	0	0	0	35	25	0
226.10	234.00	IF-F			40	0	0	0	15	20	0
234.00	239.70	IF-H			5	0	0	0	25	35	0
239.70	241.90	IF-F			35	0	0	0	10	40	0
241.90	255.30	IF-H			0	0	0	0	15	35	0
255.30	269.80	IF-F			30	0	2	0	2	45	0
269.80	270.10	IF-G			0	0	50	0	0	25	0
270.10	272.80	IF-F			30	0	2	0	2	45	0
272.80	273.20	IF-G			15	0	35	0	0	20	0
273.20	330.60	IF-F			30	0	2	0	2	45	0

End of Mineralizations ; 21 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
37.60	27.00	S1	str chl-carb slip
40.80	35.00	Flt	Str Chl-Carb-Talc FLT - 40 cm highly sh'd, abundant chl mud
55.10	36.00	S1	str chl slip
63.50	50.00	Cnt	VK / IDB
98.00	37.00	Cnt	VK / SC
104.00	52.00	Cnt	SC / IDD
105.00	45.00	Cnt	IDD / SC
112.60	38.00	S0	banding
121.60	42.00	S0	banding
124.00	32.00	S0	banding
136.00	45.00	S0	banding
143.50	45.00	S0	banding
147.00	13.00	Cnt	SC / IDD
151.90	60.00	Cnt	IDD / SC
154.90	40.00	S0	banding
160.70	53.00	S0	banding
169.20	48.00	S0	banding
177.10	40.00	S0	banding
178.40	38.00	Cnt	IFF / IDD
178.90	52.00	Cnt	IDD / IFF
182.30	40.00	S0	banding
185.60	40.00	S0	banding
194.90	42.00	Cnt	IFG / SC
196.00	22.00	S0	banding
205.70	18.00	S0	banding
215.50	45.00	S0	banding
219.50	28.00	S0	banding
228.40	20.00	S0	banding
235.00	24.00	S0	banding

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
240.10	30.00	S0	banding
246.60	35.00	S0	banding
250.30	27.00	S1	str chl slip
252.30	26.00	S0	banding
256.10	31.00	S0	banding
261.60	25.00	S0	banding
268.90	40.00	S0	banding
279.20	40.00	S0	banding
288.90	38.00	S0	banding
294.90	42.00	S0	banding
307.50	54.00	S0	banding
311.20	42.00	S0	banding
323.20	58.00	S0	banding
329.70	50.00	S0	banding
330.60	45.00	Cnt	IFF / SG
337.40	43.00	S0	banding

End of Structures ; 45 record(s) printed.

Hole: RH-12-40

Easting: 411379.20	Northing: 5334313.60	Elevation: 372.10
AltEasting: 0.00	AltNorthing: 0.00	AltElevation: 0.00
Azimuth: 180.00	Dip: -45.00	Length: 69.00 <i>m.</i>
AltAzimuth: 0.00		
Hole Type: DDH	Zone: Radio Hill	Contractor: NPLH
Started: 05/23/12	Finished: 05/23/12	Logged By: Ken Rattee
Claim Number:	Cemented: <input type="checkbox"/>	Surveyed: <input type="checkbox"/> Casing: <input type="checkbox"/>
Township:		
Description:		

Deviations:

<i>Depth</i>	<i>Azimuth</i>	<i>AltAzimuth</i>	<i>Dip</i>	<i>Type</i>	<i>State</i>
66.00	181.20	0.00	-45.50		

End of Deviations ; 1 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i>	<i>Al2O3</i>	<i>Fe2O3</i>	<i>MgO</i>	<i>CaO</i>	<i>Na2O</i>	<i>K2O</i>	<i>TiO2</i>	<i>P2O5</i>	<i>MnO</i>	<i>Cr2O3</i>	<i>V2O5</i>	<i>S</i>	
								<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	<i>%</i>	
0	0.00	20.00	OVB																		
0	20.00	24.00	IF-G - highly broken & ground core throughout interval, mix of IFG & SC with ground & broken core apparently misplaced throughout interval, sulfide-rich intervals dominate with 15% py - 5% po - 50% chert - 20% mudstone, fg py & po predominantly as a replacement & fract-filling predominantly associated with the mudstone intervals, massive with no evidence of bedding & banding	107779	20.00	24.00	4.00	64.00	6.81	17.80	2.36	0.16	0.37	0.71	0.28	0.10	0.08	0.03	0.01	5.99	
0	24.00	45.20	IF-F - dark grey to pale greenish-grey, banded mag-chert, typical banded texture fairly well preserved, banding generally @40-50, mag bands typically 1-5cm in thickness, 30% mag - 3% po - 50% chert -10% minn, minn as a greenish replacement within the chert bands, fg po as a local fract-filling locally conc	107780 107781	24.00 27.00	27.00 30.00	3.00 3.00	50.90 69.40	0.30 3.00	42.90 21.20	3.46 3.24	0.41 0.27	0.03 0.17	0.09 0.04	0.01 0.16	0.22 0.16	0.19 0.08	0.01 0.02	0.01 0.01	0.53 0.82	
3	28.50	30.10	IF-F - ground & broken core, no evidence of significant structure	107782	30.00	33.00	3.00	59.70	1.43	31.40	3.16	0.35	0.02	0.06	0.08	0.13	0.22	0.01	0.01	2.15	
3	31.00	31.40	IF-F - ground & broken core, no evidence of significant structure																		
				107783	33.00	36.00	3.00	65.60	0.35	27.10	2.76	0.39	0.03	0.04	0.02	0.05	0.21	0.01	0.01	0.62	
				107784	36.00	39.00	3.00	57.00	0.54	34.20	3.70	0.85	0.01	0.03	0.04	0.04	0.24	0.01	0.01	1.18	
				107785	39.00	42.00	3.00	53.20	0.30	36.50	2.92	0.40	0.02	0.03	0.01	0.06	0.36	0.01	0.01	3.50	
				107786	42.00	45.20	3.20	44.10	0.09	45.70	4.08	1.10	0.01	0.03	0.01	0.04	0.61	0.01	0.01	0.41	
0	45.20	49.20	SLC - banded greyish-green - dark grey, predominantly mudstone-chert, banding generally @40, 3% mag - 3% po -55% chert - 20% mudstone - 15% minn, minn	107787	45.20	49.20	4.00	62.20	0.24	24.00	2.33	3.98	0.03	0.05	0.01	0.03	0.40	0.02	0.01	1.47	

Satellite database created from Rogue-RadioHill DDH2011.accdb

Lithology and Assays:

<i>Level</i>	<i>From</i>	<i>To</i>	<i>Description</i>	<i>Sample Number</i>	<i>From</i>	<i>To</i>	<i>length</i>	<i>SiO2</i> %	<i>Al2O3</i> %	<i>Fe2O3</i> %	<i>MgO</i> %	<i>CaO</i> %	<i>Na2O</i> %	<i>K2O</i> %	<i>TiO2</i> %	<i>P2O5</i> %	<i>MnO</i> %	<i>Cr2O3</i> %	<i>V2O5</i> %	<i>S</i> %	
2	45.40	45.70	as a greenish-replacement within the chert bands, fg po as a local fract-filling & replacement highly conc between 48.2-48.5 VQ - 30cm bull qtz-white carb Vn @25 - doesn't appear mineralized																		
0	49.20	51.90	IDD - grey, fg to locally mg, equigranular, massive, predominantly plag-px-qtz with minor biot flakes, homogeneous in appearance, plag replaced by sercite to varying degrees, leading contact sharp @17, trailing contact sharp @40	107788	49.20	51.90	2.70	46.10	12.40	13.80	8.07	6.69	1.39	0.31	0.85	0.31	0.17	0.06	0.04	0.03	
0	51.90	66.90	SLC - banded greyish-green - dark grey, predominantly mag-mudstone-chert, banding generally @35-40, 10% mag - 2% po - 45% chert - 15% mudstone - 20% minn, minn as a very prominent greenish-replacement within the chert bands, fg po as a local fract-filling, sparse mag bands 2-7cm thick, contact with SM lost in broken core	107789 107790 107791 107793 107795	51.90 55.00 57.90 60.00 63.00	55.00 57.90 60.00 63.00 66.90	3.10 2.90 2.10 3.00 3.90	63.30 76.20 71.20 61.00 56.50	0.12 0.11 0.07 0.11 0.81	30.50 17.60 22.90 31.50 32.90	2.88 1.88 2.37 3.25 3.42	1.01 0.63 0.73 1.25 1.78	0.03 0.03 0.01 0.02 0.02	0.05 0.04 0.03 0.04 0.06	0.01 0.01 0.01 0.01 0.03	0.02 0.02 0.03 0.03 0.08	0.24 0.09 0.13 0.24 0.20	0.01 0.02 0.01 0.01 0.01	0.01 0.01 0.01 0.01 0.01	0.61 0.64 0.25 0.03 0.12	
0	66.90	69.00	SM - grey to pale brown, fg well sorted mudstone, locally highly bleached, altered & sericitized pale brown, primary texture fairly well preserved to somewhat obliterated locally where sericitized, locally fairly fract'd with fracturing generally @38, grey carb & sercite fract-filling	107797	66.90	69.00	2.10	57.70	15.10	7.99	2.53	4.90	4.72	0.80	0.61	0.12	0.08	0.05	0.02	0.03	

End of Lithology and Assays ;

Satellite database created from Rogue-RadioHill DDH2011.accdb

RQD:

<i>From</i>	<i>To</i>	<i>length</i>	<i>Pces>100</i>	<i>Calcu</i>	<i>RQPces<100</i>	<i>talReco</i>	<i>Recovery</i>	<i>Fractures</i>	<i>acts/Leng</i>	<i>Veins</i>	<i>ains/Leng</i>	<i>Angle</i>	<i>Description</i>
				<i>%</i>			<i>%</i>						
21.00	24.00	3.00	0.00	0.00	2.45	0.00	2.71	0.00	0.00	0.00	0.00	0.00	
24.00	27.00	3.00	0.00	0.00	0.40	0.00	3.04	0.00	0.00	0.00	0.00	0.00	
27.00	30.00	3.00	0.00	0.00	2.50	0.00	3.16	0.00	0.00	0.00	0.00	0.00	
30.00	33.00	3.00	0.00	0.00	1.50	0.00	3.77	0.00	0.00	0.00	0.00	0.00	
33.00	36.00	3.00	0.00	0.00	0.95	0.00	2.95	0.00	0.00	0.00	0.00	0.00	
36.00	39.00	3.00	0.00	0.00	1.00	0.00	3.00	0.00	0.00	0.00	0.00	0.00	
39.00	42.00	3.00	0.00	0.00	0.70	0.00	3.20	0.00	0.00	0.00	0.00	0.00	
42.00	45.00	3.00	0.00	0.00	0.05	0.00	3.14	0.00	0.00	0.00	0.00	0.00	
45.00	48.00	3.00	0.00	0.00	0.50	0.00	3.17	0.00	0.00	0.00	0.00	0.00	
48.00	51.00	3.00	0.00	0.00	0.40	0.00	3.18	0.00	0.00	0.00	0.00	0.00	
51.00	54.00	3.00	0.00	0.00	0.35	0.00	2.78	0.00	0.00	0.00	0.00	0.00	
54.00	57.00	3.00	0.00	0.00	0.05	0.00	2.90	0.00	0.00	0.00	0.00	0.00	
57.00	60.00	3.00	0.00	0.00	0.05	0.00	3.33	0.00	0.00	0.00	0.00	0.00	
60.00	63.00	3.00	0.00	0.00	0.00	0.00	3.07	0.00	0.00	0.00	0.00	0.00	
63.00	66.00	3.00	0.00	0.00	0.10	0.00	2.88	0.00	0.00	0.00	0.00	0.00	
66.00	69.00	3.00	0.00	0.00	0.25	0.00	3.01	0.00	0.00	0.00	0.00	0.00	

End of RQD ; 16 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Alterations:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>
66.90	69.00	sericite		

End of Alterations ; 1 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Mineralization:

<i>From</i>	<i>To</i>	<i>Summary</i>	<i>Description</i>	<i>Texture</i>	<i>Magnetite</i>	<i>Hematite</i>	<i>Pyrrhotite</i>	<i>Pyrite</i>	<i>Siderite</i>	<i>Silica</i>	<i>Grain size</i>
20.00	24.00	IF-G			0	0	5	15	0	50	0
24.00	45.20	IF-F			30	0	3	0	0	50	0
45.20	49.20	SLC			3	0	3	0	0	55	0
51.90	66.90	SLC			10	0	2	0	0	45	0

End of Mineralizations ; 4 record(s) printed.

Satellite database created from Rogue-RadioHill DDH2011.accdb

Structures:

<i>Depth</i>	<i>Core angle</i>	<i>Type</i>	<i>Description</i>
25.00	48.00	S0	banding
31.00	42.00	S0	banding
38.60	42.00	S0	banding
44.30	40.00	S0	banding
47.20	42.00	S0	banding
49.20	17.00	Cnt	SLC / IDD
51.90	40.00	Cnt	IDD / SLC
54.10	40.00	S0	banding
64.90	35.00	S0	banding

End of Structures ; 9 record(s) printed.

APPENDIX C ANALYTICAL CERTIFICATES



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

Rogue Iron Corp

Attn : Freeman Smith

Suite 202, 200 Granville Square, Vancouver
, V6C 1S4

Phone: 604-629-1808, Fax:604-229-0481

June 22, 2012

Date Rec. : 01 June 2012

LR Report : CA02049-JUN12

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1: 107779	64.0	6.81	17.8	2.36	0.16	0.37	0.71	0.28	0.10
2: 107780	50.9	0.30	42.9	3.46	0.41	0.03	0.09	0.01	0.22
3: 107781	69.4	3.00	21.2	3.24	0.27	0.17	0.04	0.16	0.16
4: 107782	59.7	1.43	31.4	3.16	0.35	0.02	0.06	0.08	0.13
5: 107783	65.6	0.35	27.1	2.76	0.39	0.03	0.04	0.02	0.05
6: 107784	57.0	0.54	34.2	3.70	0.85	0.01	0.03	0.04	0.04
7: 107785	53.2	0.30	36.5	2.92	0.40	0.02	0.03	0.01	0.06
8: 107786	44.1	0.09	45.7	4.08	1.10	0.01	0.03	< 0.01	0.04
9: 107787	62.2	0.24	24.0	2.33	3.98	0.03	0.05	< 0.01	0.03
10: 107788	46.1	12.4	13.8	8.07	6.69	1.39	0.31	0.85	0.31
11: 107789	63.3	0.12	30.5	2.88	1.01	0.03	0.05	< 0.01	0.02
12: 107790	76.2	0.11	17.6	1.88	0.63	0.03	0.04	< 0.01	0.02
13: 107791	71.2	0.07	22.9	2.37	0.73	0.01	0.03	< 0.01	0.03
14: 107792	7.97	0.97	86.7	0.03	0.04	0.02	0.03	0.05	0.13
15: 107793	61.0	0.11	31.5	3.25	1.25	0.02	0.04	< 0.01	0.03

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1: 107779	0.08	0.03	0.01	6.97	99.6	6.24	5.99	0.2	0.3
2: 107780	0.19	< 0.01	< 0.01	2.14	100.6	0.59	0.53	15.1	20.8
3: 107781	0.08	0.02	< 0.01	2.81	100.5	1.11	0.82	5.5	7.6
4: 107782	0.22	0.01	< 0.01	3.95	100.6	2.43	2.15	8.8	12.2
5: 107783	0.21	< 0.01	< 0.01	2.32	98.9	0.71	0.62	5.4	7.5
6: 107784	0.24	0.01	< 0.01	3.34	100.0	1.25	1.18	1.1	1.5
7: 107785	0.36	< 0.01	< 0.01	5.68	99.5	3.82	3.50	4.8	6.7
8: 107786	0.61	< 0.01	< 0.01	3.56	99.3	0.41	0.41	7.8	10.7
9: 107787	0.40	0.02	< 0.01	5.11	98.3	1.77	1.47	0.2	0.3
10: 107788	0.17	0.06	0.04	9.74	99.9	0.07	< 0.05	< 0.1	0.1
11: 107789	0.24	0.01	< 0.01	2.23	100.4	0.63	0.61	5.0	6.9
12: 107790	0.09	0.02	< 0.01	1.62	98.1	0.69	0.64	1.6	2.2
13: 107791	0.13	0.01	< 0.01	1.94	99.4	0.30	0.25	0.6	0.9
14: 107792	1.00	< 0.01	< 0.01	3.38	100.4	0.01	< 0.05	2.1	2.9
15: 107793	0.24	< 0.01	< 0.01	2.75	100.2	0.04	< 0.05	0.9	1.2

Online LIMS



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA02049-JUN12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 107794	19.9	0.09	0.24	4.19	41.2	0.03	0.01	< 0.01	0.02
17: 107795	56.5	0.81	32.9	3.42	1.78	0.02	0.06	0.03	0.08
18: 107796	59.0	0.44	32.1	3.30	1.77	0.02	0.06	0.02	0.08
19: 107797	57.7	15.1	7.99	2.53	4.90	4.72	0.80	0.61	0.12
20: 107798	45.3	0.42	32.1	2.85	0.64	< 0.01	0.02	0.02	0.12
21: 107799	50.2	0.32	39.7	1.98	1.49	0.04	0.13	0.01	0.14
22: 107800	47.0	0.17	47.2	1.61	0.83	0.02	0.08	< 0.01	0.16
23: 107801	49.0	0.15	47.4	1.57	0.76	0.02	0.08	< 0.01	0.16
24: 107802	50.3	0.80	40.3	1.72	1.15	0.10	0.28	0.03	0.14
25: 107803	46.0	0.34	39.2	1.81	1.25	0.06	0.14	0.01	0.14
26: 107804	54.9	1.70	26.1	2.26	2.22	0.14	0.34	0.06	0.09
27: 107805	55.2	2.49	22.7	2.48	4.34	0.05	0.11	0.10	0.11
28: 107806	49.6	14.3	11.5	4.94	5.92	3.86	0.02	0.90	0.37
29: 107807	69.6	3.63	14.6	1.95	2.97	0.06	0.04	0.18	0.12
30: 107808	49.8	1.43	32.9	1.98	2.54	0.13	0.32	0.06	0.18
31: 107809	52.7	0.72	34.1	2.36	1.04	0.06	0.15	0.02	0.28
32: 107810	52.0	0.39	32.3	2.33	1.25	0.05	0.15	0.02	0.36
33: 107811	50.1	0.40	33.8	2.49	1.11	0.06	0.16	0.02	0.34
34: 107812	47.5	0.32	32.4	2.38	1.08	0.05	0.11	< 0.01	0.29
35: 107813	45.7	0.39	34.6	2.16	1.60	0.07	0.13	0.02	0.19
36: 107814	50.1	0.28	36.6	1.75	1.34	0.04	0.10	0.01	0.19
37: 107815	44.6	3.49	33.8	3.57	2.83	0.29	0.18	0.26	0.34
38: 107816	50.7	0.76	29.9	2.16	0.95	0.05	0.18	0.03	0.17
39: 107817	42.4	4.29	33.5	3.64	3.07	0.08	0.12	0.27	0.16

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 107794	0.02	< 0.01	< 0.01	33.4	99.0	< 0.01	< 0.05	0.1	0.2
17: 107795	0.20	< 0.01	< 0.01	3.62	99.4	0.14	0.12	0.6	0.9
18: 107796	0.20	< 0.01	< 0.01	3.39	100.4	0.09	0.06	0.8	1.1
19: 107797	0.08	0.05	0.02	6.03	100.7	0.04	< 0.05	< 0.1	0.1
20: 107798	0.16	0.03	< 0.01	17.4	99.2	0.33	0.33	0.3	0.4
21: 107799	0.08	0.01	< 0.01	5.94	100.1	0.12	0.10	16.2	22.3
22: 107800	0.05	< 0.01	< 0.01	2.50	99.7	0.10	0.08	24.3	33.6
23: 107801	0.03	0.01	< 0.01	2.05	101.2	0.03	< 0.05	24.0	33.2
24: 107802	0.06	0.01	< 0.01	5.64	100.6	1.36	1.19	15.1	20.8
25: 107803	0.08	0.02	< 0.01	10.4	99.5	0.35	0.33	12.8	17.7
26: 107804	0.09	0.02	< 0.01	11.6	99.5	0.74	0.67	0.4	0.6
27: 107805	0.16	0.02	< 0.01	11.2	99.0	0.67	0.63	0.4	0.6
28: 107806	0.09	0.02	0.04	7.81	99.4	0.02	< 0.05	0.2	0.3
29: 107807	0.08	0.02	< 0.01	6.31	99.6	0.38	0.34	0.4	0.5
30: 107808	0.06	0.02	< 0.01	9.95	99.4	0.54	0.52	7.8	10.7
31: 107809	0.06	0.02	< 0.01	9.78	101.3	1.34	1.14	7.1	9.8
32: 107810	0.07	0.02	< 0.01	11.6	100.6	0.27	0.23	6.8	9.4
33: 107811	0.10	0.02	< 0.01	11.4	100.0	0.36	0.31	8.5	11.7
34: 107812	0.07	0.03	< 0.01	16.3	100.6	0.15	0.15	1.4	2.0
35: 107813	0.05	0.02	< 0.01	15.1	100.0	0.19	0.17	4.8	6.7
36: 107814	0.03	0.02	< 0.01	9.66	100.2	0.05	0.05	12.7	17.6
37: 107815	0.05	0.03	0.01	10.2	99.6	0.36	0.33	8.8	12.2
38: 107816	0.07	0.02	< 0.01	14.8	99.8	0.61	0.56	1.2	1.7
39: 107817	0.32	0.02	< 0.01	11.4	99.2	5.32	4.64	1.6	2.2

Online LIMS



SGS Canada Inc.

P.O. Box 4300 - 185 Concession St.

Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA02049-JUN12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
40: 107818	33.6	3.76	43.2	2.61	1.52	0.10	0.04	0.14	0.13
41: 107819	26.5	6.93	49.7	2.95	1.02	0.06	0.02	0.22	0.11
42: 107820	58.7	0.28	24.4	2.31	0.48	0.01	< 0.01	< 0.01	0.08
43: 107821	58.6	0.67	23.9	2.20	0.66	0.03	0.05	0.02	0.11
44: 107822	55.0	0.73	38.5	2.33	3.07	0.07	0.05	0.02	0.11
45-BLK: Lkfd-Samp	50.9	13.0	8.39	10.1	11.9	1.33	0.52	0.49	0.07
46: 107823	42.5	1.42	33.9	2.90	0.95	0.05	0.13	0.06	0.10
47: 107824	6.62	0.10	0.22	5.16	46.8	0.04	< 0.01	< 0.01	0.02
48: 107825	47.9	0.09	37.4	3.17	1.12	0.02	0.05	< 0.01	0.09
49: 107826	51.2	0.09	34.9	3.05	1.05	0.01	0.04	< 0.01	0.09
50: 107827	60.7	0.27	25.4	2.12	0.69	0.02	0.06	0.01	0.05
51: 107828	47.1	0.40	33.4	2.81	1.21	0.06	0.12	0.01	0.21
52: 107829	44.9	0.21	38.1	3.02	1.36	0.05	0.07	< 0.01	0.17
53: 107830	42.5	0.15	39.8	3.05	1.58	0.03	0.05	< 0.01	0.14
54: 107831	52.9	0.80	27.8	2.31	0.86	0.03	0.19	0.03	0.09
55: 107832	48.5	1.40	29.2	2.48	1.14	0.02	0.32	0.06	0.10
56: 107833	39.2	0.12	40.2	2.88	1.80	0.03	0.03	< 0.01	0.10
57: 107834	45.0	1.45	31.1	2.70	1.01	0.07	0.24	0.06	0.11
58: 107835	41.5	0.26	32.6	3.06	1.96	0.01	0.02	< 0.01	0.11
59: 107836	40.4	0.38	33.6	3.01	1.85	0.01	0.06	0.01	0.14
60: 107837	43.9	0.28	32.9	3.00	1.29	0.01	0.04	0.01	0.14
61: 107838	41.5	0.12	39.9	3.43	1.34	0.01	0.05	< 0.01	0.13
62: 107839	45.7	0.10	41.2	3.63	1.59	0.01	0.05	< 0.01	0.10
63: 107840	51.5	0.05	39.8	3.47	1.10	0.01	0.04	< 0.01	0.10

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
40: 107818	0.31	0.01	< 0.01	13.9	99.4	8.89	8.66	2.6	3.6
41: 107819	0.33	0.01	0.01	12.4	100.2	11.8	11.8	3.6	5.0
42: 107820	0.20	0.03	< 0.01	13.6	100.0	0.42	0.38	0.4	0.6
43: 107821	0.16	0.03	< 0.01	13.2	99.7	0.76	0.75	0.3	0.4
44: 107822	0.11	< 0.01	< 0.01	-0.49	99.6	0.78	0.76	14.1	19.5
45-BLK: Lkfd-Samp	0.15	0.12	0.04	2.56	99.6	0.09	0.08	0.1	0.2
46: 107823	0.32	0.02	< 0.01	17.4	99.9	3.33	3.16	1.1	1.5
47: 107824	0.02	< 0.01	< 0.01	39.8	98.9	0.02	<0.05	7.2	9.9
48: 107825	0.20	< 0.01	< 0.01	10.4	100.5	0.07	0.05	10.2	14.1
49: 107826	0.19	0.01	< 0.01	9.60	100.3	0.06	0.05	9.1	12.6
50: 107827	0.11	0.02	< 0.01	10.3	99.8	0.30	0.30	3.1	4.3
51: 107828	0.17	0.02	< 0.01	14.0	99.5	0.44	0.44	5.9	8.1
52: 107829	0.14	0.01	< 0.01	11.7	99.7	0.27	0.27	3.1	4.3
53: 107830	0.10	0.02	< 0.01	12.4	99.8	0.12	0.12	3.6	5.0
54: 107831	0.10	0.02	< 0.01	14.6	99.7	1.28	1.17	1.3	1.8
55: 107832	0.10	0.02	< 0.01	16.2	99.5	1.02	0.85	0.5	0.7
56: 107833	0.09	0.01	< 0.01	16.1	100.7	0.17	0.17	0.9	1.3
57: 107834	0.14	0.01	< 0.01	17.3	99.2	1.10	1.08	0.3	0.4
58: 107835	0.18	0.02	< 0.01	19.0	98.7	0.26	0.26	0.3	0.4
59: 107836	0.16	0.01	< 0.01	19.4	99.1	0.17	0.17	0.2	0.3
60: 107837	0.17	0.02	< 0.01	18.1	99.8	0.49	0.50	0.4	0.5
61: 107838	0.20	0.01	< 0.01	13.0	99.8	0.24	0.24	0.6	0.9
62: 107839	0.20	< 0.01	< 0.01	7.03	99.6	0.12	0.12	4.6	6.3
63: 107840	0.14	< 0.01	< 0.01	3.29	99.4	0.15	0.15	3.6	4.9



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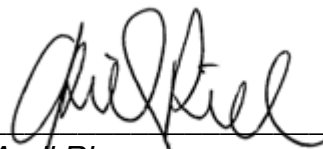
LR Report : CA02049-JUN12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
64: 107841	46.1	0.06	44.7	3.61	1.35	0.02	0.05	< 0.01	0.12
65: 107842	49.2	0.23	39.4	3.77	1.66	0.03	0.08	< 0.01	0.06
66: 107843	38.4	0.90	45.2	3.94	0.95	0.08	0.23	0.03	0.12
67: 107844	48.1	0.60	41.1	3.99	1.30	0.03	0.09	0.04	0.11
68: 107845	45.5	0.10	44.5	3.91	1.68	0.01	0.05	< 0.01	0.11
69: 107846	53.0	0.11	37.5	3.55	1.36	0.02	0.06	0.01	0.07
70: 107847	68.6	0.23	24.4	3.02	0.71	0.03	0.10	< 0.01	0.02
71: 107848	52.7	0.08	36.7	3.55	1.00	0.02	0.05	0.01	0.03
72: 107849	60.2	0.11	31.3	2.98	0.98	0.01	0.05	< 0.01	0.05
73: 107850	57.6	0.05	29.3	2.80	0.81	0.01	0.02	< 0.01	0.04
74: 107851	61.1	0.04	30.6	2.94	0.80	0.02	0.02	< 0.01	0.02
75: 107852	8.17	0.97	87.2	0.02	0.04	0.02	0.03	0.05	0.13
76: 107853	57.2	0.04	33.9	3.40	1.14	0.01	0.02	< 0.01	0.01
77: 107854	10.9	0.12	0.20	4.96	45.3	0.04	< 0.01	< 0.01	0.02
78: 107855	57.9	0.04	34.2	3.45	1.87	0.02	0.02	< 0.01	0.03
79: 107856	59.7	0.04	32.0	3.45	1.76	0.02	0.02	< 0.01	0.02
80: 107857	58.6	0.04	33.2	3.34	1.54	0.02	0.02	< 0.01	0.04
81: 107858	67.6	0.05	25.9	2.66	0.72	0.02	0.02	< 0.01	0.03
82: 107859	45.5	0.08	38.3	4.00	1.39	0.01	0.05	< 0.01	0.03
83: 107860	42.0	0.05	36.9	3.73	1.67	0.01	0.02	< 0.01	0.03
84: 107861	43.0	0.04	45.9	4.30	1.34	0.02	0.03	< 0.01	0.04
85: 107862	42.9	0.07	46.8	4.28	1.88	< 0.01	0.03	< 0.01	0.07
86: 107863	46.3	0.07	42.9	4.36	1.40	0.02	0.03	< 0.01	0.07
87: 107864	46.8	0.17	39.1	4.16	2.05	0.02	0.08	< 0.01	0.18

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
64: 107841	0.16	< 0.01	< 0.01	2.88	99.1	0.17	0.16	14.5	20.0
65: 107842	0.18	< 0.01	< 0.01	4.20	98.9	0.63	0.60	10.4	14.3
66: 107843	0.43	< 0.01	< 0.01	9.02	99.3	3.58	3.46	10.9	15.1
67: 107844	0.19	< 0.01	< 0.01	3.73	99.2	1.03	0.86	10.7	14.8
68: 107845	0.17	< 0.01	< 0.01	2.92	99.0	0.17	0.17	15.1	20.8
69: 107846	0.22	< 0.01	< 0.01	4.19	100.2	0.26	0.25	11.2	15.5
70: 107847	0.15	< 0.01	< 0.01	2.78	100.1	0.86	0.83	3.7	5.1
71: 107848	0.29	< 0.01	< 0.01	5.29	99.7	1.19	1.00	9.6	13.2
72: 107849	0.20	< 0.01	< 0.01	4.01	99.9	1.20	1.00	8.0	11.1
73: 107850	0.28	0.01	< 0.01	8.24	99.2	0.18	0.16	6.3	8.7
74: 107851	0.14	< 0.01	< 0.01	4.69	100.3	0.14	0.13	8.2	11.4
75: 107852	1.00	< 0.01	< 0.01	3.14	100.7	0.01	<0.05	2.2	3.0
76: 107853	0.13	< 0.01	< 0.01	3.64	99.5	0.06	0.06	9.8	13.5
77: 107854	0.02	0.01	< 0.01	37.2	98.9	< 0.01	<0.05	< 0.1	0.1
78: 107855	0.10	0.01	< 0.01	3.62	101.3	0.05	0.05	9.6	13.3
79: 107856	0.10	< 0.01	< 0.01	3.61	100.7	0.05	<0.05	8.2	11.4
80: 107857	0.07	< 0.01	< 0.01	3.32	100.2	0.07	0.06	9.7	13.4
81: 107858	0.09	0.01	< 0.01	3.62	100.7	0.06	0.06	6.7	9.2
82: 107859	0.23	< 0.01	< 0.01	9.67	99.3	0.28	0.27	9.9	13.7
83: 107860	0.21	0.02	< 0.01	14.8	99.4	0.07	0.07	9.3	12.8
84: 107861	0.15	< 0.01	< 0.01	4.89	99.8	0.12	0.11	15.3	21.1
85: 107862	0.15	< 0.01	< 0.01	3.81	100.1	0.09	0.09	16.3	22.5
86: 107863	0.15	< 0.01	< 0.01	4.51	99.8	0.23	0.21	12.5	17.3
87: 107864	0.17	< 0.01	< 0.01	6.79	99.6	0.47	0.44	10.1	13.9

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
88: 107865	52.4	2.90	28.3	3.11	1.29	0.04	0.11	0.14	0.09
89: 107866	53.2	13.2	7.54	3.72	7.78	2.01	1.59	0.54	0.11
90-REP: 107827	61.0	0.25	25.5	2.12	0.68	0.02	0.06	0.01	0.06

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
88: 107865	0.21	0.01	< 0.01	10.3	98.9	0.95	0.85	2.4	3.3
89: 107866	0.16	0.06	0.02	10.4	100.3	0.01	< 0.05	< 0.1	0.1
90-REP: 107827	0.11	0.02	< 0.01	10.3	100.2	0.30	0.28	3.1	4.3



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April 26, 2012

Date Rec. : 03 April 2012

LR Report : CA02163-APR12

Client Ref : 107633 to 107658 & 107522 to 107550

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample	54.6	12.6	5.99	9.88	11.6	1.73	0.23	0.21	0.02	0.12	0.13	0.02	2.43	99.7	0.03	<0.05	< 0.1	0.1
2: 107633	59.3	0.46	30.2	2.00	0.93	0.06	0.19	0.02	0.04	0.08	< 0.01	< 0.01	5.74	99.0	0.86	0.82	9.6	13.2
3: 107634	49.2	2.37	40.8	2.42	0.88	0.04	0.10	0.09	0.06	0.05	< 0.01	< 0.01	3.02	99.0	1.41	1.36	13.5	18.6
4: 107635	49.7	0.25	40.0	2.63	1.24	0.04	0.12	< 0.01	0.05	0.06	< 0.01	< 0.01	4.93	99.0	0.65	0.61	14.4	19.9
5: 107636	47.2	0.53	44.7	2.96	1.13	0.05	0.19	0.02	0.05	0.06	< 0.01	< 0.01	2.66	99.5	1.18	1.17	16.8	23.2
6: 107637	58.4	0.56	34.5	2.28	0.61	0.05	0.22	0.03	0.04	0.05	< 0.01	< 0.01	3.32	100.0	0.64	0.58	12.0	16.6
7: 107638	49.1	0.64	37.3	2.09	1.52	0.10	0.28	0.02	0.09	0.07	< 0.01	< 0.01	8.42	99.7	0.14	0.13	13.1	18.1
8: 107639	43.9	1.16	45.5	1.83	1.77	0.14	0.43	0.03	0.12	0.05	< 0.01	< 0.01	5.19	100.2	0.07	0.07	21.8	30.1
9: 107640	44.2	0.56	45.3	1.70	2.01	0.07	0.23	0.01	0.17	0.05	< 0.01	< 0.01	5.38	99.7	0.08	0.08	22.5	31.1
10: 107641	60.1	14.3	8.46	3.24	3.03	3.06	1.40	0.66	0.32	0.05	0.02	0.02	4.72	99.3	0.01	<0.05	0.6	0.9
11: 107642	8.14	0.98	86.5	0.03	0.03	< 0.01	0.03	0.05	0.12	0.99	< 0.01	< 0.01	3.14	100.0	0.01	<0.05	2.1	2.9
12: 107643	49.8	0.35	42.2	1.84	1.52	< 0.01	0.09	0.01	0.17	0.05	< 0.01	< 0.01	4.20	100.2	0.09	0.08	20.3	28.0
13: 107644	7.23	0.11	0.22	5.80	47.6	0.02	0.02	< 0.01	0.02	0.01	< 0.01	< 0.01	39.2	100.3	< 0.01	<0.05	< 0.1	< 0.1
14: 107645	54.5	0.19	39.5	1.73	1.00	0.02	0.08	< 0.01	0.16	0.04	< 0.01	< 0.01	2.70	100.0	0.07	< 0.05	19.0	26.3
15: 107646	54.3	0.17	40.1	1.74	1.01	< 0.01	0.08	< 0.01	0.14	0.03	< 0.01	< 0.01	2.93	100.5	0.05	< 0.05	19.4	26.8
16: 107647	54.3	0.28	39.2	1.71	1.16	0.02	0.12	0.01	0.15	0.04	< 0.01	< 0.01	2.64	99.6	0.09	0.07	18.9	26.1
17: 107648	46.2	0.63	47.4	1.97	1.20	0.03	0.17	0.03	0.15	0.04	< 0.01	< 0.01	2.39	100.2	0.19	0.18	23.0	31.7
18: 107649	53.9	0.94	37.5	1.83	0.98	0.10	0.34	0.03	0.13	0.07	< 0.01	< 0.01	3.59	99.4	0.54	0.51	15.2	21.0
19: 107650	43.0	0.26	50.8	1.75	1.05	0.03	0.13	< 0.01	0.16	0.05	< 0.01	< 0.01	2.60	99.8	0.07	0.07	26.6	36.8
20: 107651	50.0	0.30	42.7	1.69	0.87	0.04	0.12	0.01	0.14	0.05	< 0.01	< 0.01	3.28	99.2	0.42	0.39	20.6	28.4
21: 107652	45.1	0.16	50.5	1.24	0.72	< 0.01	0.06	< 0.01	0.11	0.02	< 0.01	< 0.01	1.79	99.7	0.03	<0.05	29.0	40.1
22: 107653	46.3	0.10	50.6	1.14	0.54	< 0.01	0.05	0.01	0.11	0.02	< 0.01	< 0.01	0.37	99.2	0.03	<0.05	30.3	41.9
23: 107654	45.4	0.09	50.9	1.67	0.78	< 0.01	0.05	< 0.01	0.11	0.03	< 0.01	< 0.01	0.63	99.6	0.06	0.06	28.1	38.8
24: 107655	49.1	0.32	43.8	2.01	0.72	0.03	0.09	0.02	0.09	0.06	< 0.01	< 0.01	3.08	99.3	1.39	1.56	19.8	27.3
25: 107656	46.5	0.17	46.8	1.93	1.33	< 0.01	0.06	0.03	0.10	0.06	< 0.01	< 0.01	2.55	99.5	0.23	0.19	24.4	33.7
26: 107657	51.5	0.27	38.8	2.35	1.00	0.01	0.09	< 0.01	0.07	0.04	0.02	< 0.01	4.64	98.8	--nss	--nss	15.3	21.1
27: 107658	57.0	16.8	11.0	2.04	1.69	1.91	2.74	0.71	0.08	0.07	0.02	< 0.02	3.93	98.1	2.17	2.17	0.8	1.1
28: 107522	8.10	0.95	86.4	0.04	0.04	0.01	0.03	0.05	0.12	1.00	< 0.01	< 0.01	3.17	99.9	0.01	<0.05	2.1	2.9
29: 107523	59.8	2.36	28.5	2.48	0.70	0.09	0.27	0.14	0.13	0.11	0.02	< 0.01	4.91	99.5	1.73	1.68	5.9	8.2
30: 107524	9.04	0.12	0.23	6.06	47.1	< 0.01	< 0.01	0.01	0.02	< 0.01	< 0.01	< 0.01	38.7	101.3	< 0.01	<0.05	< 0.1	< 0.1
31: 107525	54.9	0.64	35.2	2.88	1.26	0.05	0.24	0.02	0.24	0.11	< 0.01	< 0.01	4.11	99.7	0.33	0.30	11.7	16.1
32: 107526	58.9	0.53	31.5	2.72	1.19	0.04	0.22	0.02	0.19	0.10	< 0.01	< 0.01	3.81	99.3	0.30	0.28	9.9	13.7
33: 107527	56.0	0.57	37.0	2.13	1.13	0.06	0.19	0.02	0.15	0.05	< 0.01	< 0.01	2.75	100.0	0.73	0.68	15.1	20.8
34: 107528	45.5	0.19	48.4	2.38	1.56	0.02	0.10	< 0.01	0.17	0.03	< 0.01	< 0.01	1.65	100.0	0.12	0.10	23.6	32.6
35: 107529	50.4	0.18	42.6	2.37	1.66	< 0.01	0.09	0.01	0.16	0.04	< 0.01	< 0.01	1.98	99.5	0.09	0.07	19.5	26.9
36: 107530	51.1	0.12	42.5	2.45	1.50	< 0.01	0.08	< 0.01	0.16	0.03	< 0.01	< 0.01	1.75	99.7	0.12	0.11	18.9	26.1

Online LIMS



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LR Report : CA02163-APR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
37: 107531	41.8	0.16	51.5	1.96	2.13	< 0.01	0.08	< 0.01	0.19	0.05	< 0.01	< 0.01	1.85	99.7	0.13	0.12	27.2	37.6
38: 107532	54.7	0.19	40.5	1.71	0.75	< 0.01	0.10	< 0.01	0.17	0.03	< 0.01	< 0.01	0.49	98.7	0.03	<0.05	21.1	29.2
39: 107533	48.8	0.20	47.5	2.05	1.24	< 0.01	0.11	< 0.01	0.18	0.04	< 0.01	< 0.01	0.96	101.1	0.06	0.05	24.3	33.6
40: 107534	46.0	0.08	50.9	1.46	0.68	< 0.01	0.04	< 0.01	0.11	0.03	< 0.01	< 0.01	0.26	99.6	0.66	0.64	27.3	37.7
41: 107535	49.4	0.31	42.0	3.29	1.58	0.02	0.16	0.02	0.12	0.17	< 0.01	< 0.01	2.27	99.4	0.97	0.95	15.3	21.1
42: 107536	54.8	0.51	34.8	3.03	0.88	0.03	0.21	0.03	0.09	0.26	< 0.01	< 0.01	4.25	99.0	4.00	3.66	8.0	11.1
43: 107537	53.2	0.06	38.8	3.84	1.38	< 0.01	0.04	< 0.01	0.11	0.12	< 0.01	< 0.01	2.13	99.7	0.06	0.06	12.3	17.0
44: 107538	52.2	0.17	42.3	2.30	1.35	0.01	0.09	0.01	0.13	0.05	< 0.01	< 0.01	1.24	99.8	0.36	0.32	19.2	26.5
45: 107539	49.5	0.16	43.7	2.91	1.14	< 0.01	0.08	< 0.01	0.10	0.10	< 0.01	< 0.01	1.65	99.4	0.56	0.53	17.9	24.7
46: 107540	49.8	0.23	45.0	2.23	0.91	0.02	0.07	< 0.01	0.08	0.06	< 0.01	< 0.01	1.39	99.8	0.30	0.27	23.5	32.5
47: 107541	46.3	0.12	46.1	1.63	2.15	0.01	0.03	< 0.01	0.07	< 0.01	< 0.01	< 0.01	2.32	98.7	0.42	0.42	29.5	40.8
48: 107542	44.5	0.10	49.2	1.68	1.34	0.04	< 0.01	< 0.01	0.08	< 0.01	< 0.01	< 0.01	1.36	98.4	1.21	1.18	25.7	35.5
49: 107543	46.2	0.11	45.3	2.19	2.24	< 0.01	0.01	0.01	0.06	0.01	< 0.01	< 0.01	3.74	99.9	0.20	0.19	27.6	38.1
50-BLK: Sud-Sampl	49.8	14.2	7.20	11.4	11.8	1.65	0.28	0.23	0.02	0.13	0.15	0.03	3.27	100.1	0.02	<0.05	0.2	0.3
51: 107544	48.0	4.43	33.3	3.24	3.82	0.85	0.03	0.27	0.17	0.06	< 0.01	0.02	5.37	99.5	0.35	0.35	15.7	21.7
52: 107545	47.8	0.13	47.4	2.10	1.08	0.01	0.04	< 0.01	0.08	0.02	< 0.01	< 0.01	0.94	99.6	0.05	0.05	28.2	39.0
53: 107546	48.7	0.52	45.6	1.90	1.18	< 0.01	0.11	0.04	0.09	0.02	< 0.01	< 0.01	0.95	99.2	0.12	0.11	25.0	34.6
54: 107547	52.0	1.19	40.7	2.73	1.32	0.03	0.21	0.06	0.13	0.07	< 0.01	< 0.01	1.80	100.2	0.16	0.14	18.0	24.8
55: 107548	50.4	0.24	40.2	3.64	1.29	< 0.01	0.11	0.01	0.09	0.08	< 0.01	< 0.01	4.07	100.2	0.31	0.30	13.0	17.9
56: 107549	42.9	0.75	36.2	3.10	1.41	0.05	0.16	0.03	0.06	0.12	< 0.01	< 0.01	12.9	97.6	4.78	4.64	7.7	10.6
57: 107550	56.5	14.3	14.3	3.48	1.08	0.20	2.44	0.70	0.13	0.08	0.03	0.02	5.52	98.7	1.87	1.75	0.4	0.5
58-DUP: 107651	50.1	0.30	42.7	1.68	0.89	0.02	0.13	0.01	0.14	0.05	< 0.01	< 0.01	3.22	99.3	0.42	0.40	20.4	28.2
59-DUP: 107534	45.9	0.07	50.7	1.46	0.68	< 0.01	0.05	< 0.01	0.10	0.03	< 0.01	< 0.01	0.14	99.1	0.66	0.65	27.6	38.1
60-REP: 107544	47.8	4.66	32.6	3.27	3.95	0.93	0.02	0.28	0.18	0.06	< 0.01	< 0.01	5.41	99.1	0.37	0.35	15.2	21.0

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March 28, 2012

Date Rec. : 05 March 2012

LR Report : CA02329-MAR12

Client Ref : 105378-105450

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample	50.2	12.2	7.69	12.7	13.0	1.05	0.22	0.24	0.01
2: 105378	38.6	0.09	45.9	1.96	1.04	< 0.01	0.03	< 0.01	0.10
3: 105379	40.0	0.17	46.6	1.95	1.10	< 0.01	0.07	< 0.01	0.10
4: 105380	42.8	0.13	46.5	2.04	1.19	< 0.01	0.06	< 0.01	0.11
5: 105381	45.2	0.17	44.4	1.90	1.19	< 0.01	0.06	< 0.01	0.11
6: 105382	45.0	0.48	39.1	1.87	1.13	0.02	0.11	0.02	0.10
7: 105383	52.1	1.08	33.3	1.59	0.91	0.01	0.13	0.04	0.12
8: 105384	55.0	0.69	36.6	1.95	1.26	0.03	0.23	0.03	0.15
9: 105385	55.0	0.34	37.8	2.27	1.31	0.04	0.17	0.01	0.13
10: 105386	54.3	1.04	35.9	2.57	1.44	0.10	0.25	0.05	0.16
11: 105387	69.5	0.63	21.0	1.58	0.76	0.01	0.17	0.03	0.09
12: 105388	63.5	4.35	21.9	2.04	0.57	0.04	0.51	0.21	0.13
13: 105389	68.1	0.83	24.9	1.70	0.70	0.03	0.21	0.03	0.09
14: 105390	49.4	0.95	41.7	2.50	1.85	< 0.01	0.16	0.06	0.17
15: 105391	42.0	0.36	47.7	2.33	1.73	0.02	0.16	0.01	0.15

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample	0.14	0.11	0.03	2.70	100.3	0.03	< 0.05	0.4	0.5
2: 105378	0.02	< 0.01	< 0.01	11.9	99.6	0.23	0.20	16.1	22.2
3: 105379	0.02	< 0.01	< 0.01	9.72	99.7	0.27	0.25	18.4	25.4
4: 105380	0.02	< 0.01	< 0.01	6.37	99.3	0.22	0.22	20.6	28.5
5: 105381	0.02	0.01	< 0.01	6.93	100.0	0.27	0.27	19.0	26.2
6: 105382	0.04	< 0.01	< 0.01	11.5	99.4	0.65	0.57	10.8	14.9
7: 105383	0.05	0.01	< 0.01	9.73	99.1	0.73	0.65	8.5	11.7
8: 105384	0.04	< 0.01	< 0.01	3.61	99.5	0.16	< 0.05	18.3	25.3
9: 105385	0.05	< 0.01	< 0.01	3.25	100.3	0.30	0.30	18.3	25.3
10: 105386	0.04	< 0.01	< 0.01	3.56	99.4	0.52	0.49	16.4	22.6
11: 105387	0.05	0.02	< 0.01	5.09	98.9	0.95	0.92	6.7	9.3
12: 105388	0.03	< 0.01	< 0.01	5.05	98.4	4.14	3.84	3.0	4.2
13: 105389	0.04	0.02	< 0.01	2.73	99.3	1.23	1.11	9.4	13.0
14: 105390	0.03	< 0.01	< 0.01	2.45	99.3	0.30	0.29	21.0	29.0
15: 105391	0.03	< 0.01	< 0.01	4.74	99.2	0.25	0.25	24.1	33.3

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LR Report : CA02329-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 105392	48.0	0.43	43.1	2.17	1.72	0.05	0.20	0.02	0.16
17: 105393	49.4	0.49	41.8	2.33	1.80	0.04	0.24	0.02	0.16
18: 105394	52.5	0.26	41.2	2.66	1.24	< 0.01	0.14	< 0.01	0.12
19: 105395	62.1	0.87	30.8	2.56	0.70	0.02	0.15	0.03	0.08
20: 105396	71.9	1.15	20.5	1.57	0.30	0.09	0.28	0.05	0.06
21: 105397	69.1	1.00	22.0	1.75	0.48	0.13	0.18	0.04	0.06
22: 105398	56.7	3.35	27.9	2.05	0.68	0.29	0.14	0.12	0.10
23: 105399	54.4	2.06	30.7	2.69	1.30	0.02	0.38	0.12	0.16
24: 105400	46.2	0.47	43.6	2.11	1.76	0.01	0.15	0.02	0.14
25: 105401	51.2	0.29	40.4	1.90	1.14	0.02	0.15	< 0.01	0.13
26: 105402	8.04	0.95	86.4	0.06	0.03	0.02	0.03	0.05	0.13
27: 105403	46.9	0.64	43.8	2.20	1.62	0.04	0.26	0.02	0.12
28: 105404	10.8	0.08	0.19	5.09	47.8	0.02	< 0.01	< 0.01	0.02
29: 105405	46.2	0.46	43.5	2.00	1.79	0.05	0.22	0.02	0.13
30: 105406	47.6	0.48	41.9	2.02	1.72	0.05	0.22	0.01	0.13
31: 105407	53.6	0.10	39.2	2.68	1.23	< 0.01	0.06	< 0.01	0.06
32: 105408	56.0	0.97	34.1	1.95	1.10	0.09	0.29	0.04	0.11
33: 105409	58.1	0.26	33.5	2.00	0.97	0.02	0.13	0.01	0.08
34: 105410	46.5	2.75	38.3	3.42	1.82	0.03	0.22	0.13	0.20
35: 105411	47.6	0.27	44.2	1.74	0.95	0.03	0.12	< 0.01	0.13
36: 105412	48.5	0.37	45.6	2.04	1.20	0.03	0.20	0.01	0.14
37: 105413	45.1	0.66	45.1	2.33	1.47	0.06	0.31	0.03	0.13
38: 105414	46.6	0.42	43.1	2.14	1.34	0.04	0.20	0.01	0.12
39: 105415	51.0	1.11	36.7	2.21	1.16	0.10	0.35	0.05	0.12

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 105392	0.03	< 0.01	< 0.01	3.36	99.2	0.17	0.17	21.7	30.0
17: 105393	0.04	< 0.01	< 0.01	2.93	99.2	0.31	0.31	20.0	27.6
18: 105394	0.07	< 0.01	< 0.01	2.12	100.3	0.20	0.20	19.7	27.2
19: 105395	0.07	< 0.01	< 0.01	3.09	100.4	1.25	1.13	10.8	14.9
20: 105396	0.05	0.01	< 0.01	3.57	99.6	1.68	1.62	5.1	7.0
21: 105397	0.06	0.01	< 0.01	5.14	99.9	0.82	0.70	6.7	9.2
22: 105398	0.11	0.01	< 0.01	6.33	97.7	4.78	4.23	5.6	7.8
23: 105399	0.08	< 0.01	< 0.01	6.82	98.8	0.66	0.63	10.3	14.2
24: 105400	0.03	< 0.01	< 0.01	4.43	99.0	0.14	0.14	20.5	28.3
25: 105401	0.02	< 0.01	< 0.01	4.16	99.4	0.33	0.32	17.4	24.1
26: 105402	1.00	< 0.01	< 0.01	3.02	99.7	< 0.01	< 0.05	2.2	3.1
27: 105403	0.04	< 0.01	< 0.01	3.70	99.4	0.39	0.36	19.6	27.1
28: 105404	< 0.01	< 0.01	< 0.01	35.8	99.8	< 0.01	< 0.05	0.4	0.5
29: 105405	0.02	< 0.01	< 0.01	4.34	98.7	0.25	0.25	20.8	28.7
30: 105406	0.03	< 0.01	< 0.01	4.67	98.9	0.28	0.28	19.5	26.9
31: 105407	0.04	< 0.01	< 0.01	2.24	99.3	0.23	0.23	15.2	21.0
32: 105408	0.04	< 0.01	< 0.01	4.21	98.9	1.00	0.96	13.0	17.9
33: 105409	0.05	< 0.01	< 0.01	4.68	99.8	0.24	0.23	13.1	18.1
34: 105410	0.03	0.01	< 0.01	4.97	98.4	0.19	0.19	16.3	22.5
35: 105411	0.02	< 0.01	< 0.01	4.44	99.5	0.19	0.19	21.4	29.6
36: 105412	0.02	< 0.01	< 0.01	1.37	99.5	0.13	0.13	22.9	31.6
37: 105413	0.04	< 0.01	< 0.01	3.95	99.2	0.31	0.30	20.3	28.1
38: 105414	0.03	< 0.01	< 0.01	5.26	99.3	0.13	0.13	18.4	25.4
39: 105415	0.04	< 0.01	< 0.01	6.25	99.2	0.40	0.37	12.6	17.4



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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA02329-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
40: 105416	70.4	1.41	20.2	1.45	0.31	0.17	0.49	0.06	0.07
41: 105417	53.6	3.89	28.9	3.77	1.63	0.07	0.21	0.19	0.19
42: 105418	57.9	2.17	29.8	2.23	0.59	0.04	0.17	0.08	0.07
43: 105419	43.0	4.96	38.1	2.40	1.33	0.07	0.14	0.16	0.13
44: 105420	54.4	0.93	32.7	2.43	0.88	0.05	0.15	0.03	0.17
45: 105421	65.6	1.19	24.3	1.74	0.56	0.06	0.20	0.04	0.12
46: 105422	41.1	4.07	39.7	3.04	0.35	0.06	0.18	0.16	0.06
47: 105423	70.7	0.52	20.4	1.63	0.35	0.03	0.12	0.02	0.04
48: 105424	46.1	4.77	37.1	2.58	0.52	0.09	0.19	0.16	0.07
49: 105425	55.2	0.65	32.4	2.60	1.12	0.06	0.25	0.02	0.18
50-BLK: Sud-Sampl	---nss	---nss	---nss	---nss	---nss	---nss	---nss	---nss	---nss
51: 105426	46.1	2.65	38.7	2.96	1.13	0.16	0.19	0.08	0.25
52: 105427	47.7	0.63	40.7	3.29	1.38	0.06	0.28	0.02	0.25
53: 105428	50.1	0.49	40.1	3.35	1.08	0.03	0.22	0.03	0.13
54: 105429	48.6	1.79	38.0	2.79	1.26	0.10	0.29	0.07	0.27
55: 105430	48.1	4.34	33.9	2.59	1.17	0.14	0.31	0.17	0.15
56: 105431	56.3	2.28	29.2	2.16	1.24	0.10	0.24	0.08	0.14
57: 105432	8.15	0.99	86.2	0.04	0.03	0.01	0.03	0.04	0.12
58: 105433	38.4	4.03	39.2	3.49	2.48	0.23	0.43	0.15	0.26
59: 105434	8.51	0.33	0.31	6.33	45.9	0.07	0.11	< 0.01	0.02
60: 105435	37.5	9.21	34.3	4.37	2.88	0.64	0.32	0.40	0.25
61: 105436	36.3	9.91	34.2	4.64	2.87	0.67	0.32	0.44	0.28
62: 105437	54.5	0.97	32.5	2.44	1.18	0.05	0.13	0.04	0.18
63: 105438	51.4	3.22	33.4	2.13	0.61	0.06	0.13	0.11	0.12

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
40: 105416	0.04	0.01	< 0.01	3.76	98.4	1.52	1.40	4.0	5.6
41: 105417	0.09	0.02	< 0.01	5.20	97.7	2.76	2.49	7.2	10.0
42: 105418	0.12	< 0.01	< 0.01	5.18	98.4	4.43	3.90	8.0	11.0
43: 105419	0.22	< 0.01	< 0.01	7.06	97.6	10.3	9.28	5.6	7.7
44: 105420	0.10	< 0.01	< 0.01	6.23	98.1	2.55	2.43	12.0	16.5
45: 105421	0.10	< 0.01	< 0.01	4.39	98.3	2.73	2.44	6.4	8.9
46: 105422	0.13	< 0.01	< 0.01	8.81	97.6	8.32	7.85	5.7	7.9
47: 105423	0.07	< 0.01	< 0.01	5.77	99.7	0.73	0.73	5.6	7.7
48: 105424	0.12	0.01	< 0.01	6.80	98.5	7.76	6.95	6.5	9.0
49: 105425	0.07	< 0.01	< 0.01	7.09	99.7	0.69	0.69	10.5	14.5
50-BLK: Sud-Sampl	---nss	---nss	---nss	---nss	---nss	---nss	---nss	---	---
51: 105426	0.06	< 0.01	< 0.01	5.88	98.2	2.59	2.52	12.8	17.7
52: 105427	0.07	< 0.01	< 0.01	5.09	99.5	0.28	0.28	16.6	23.0
53: 105428	0.06	< 0.01	< 0.01	3.52	99.1	0.23	0.23	16.3	22.5
54: 105429	0.07	< 0.01	< 0.01	4.69	98.0	3.54	3.21	11.5	15.9
55: 105430	0.09	< 0.01	< 0.01	6.51	97.5	5.28	4.70	5.9	8.1
56: 105431	0.09	< 0.01	< 0.01	5.80	97.6	4.34	4.01	5.9	8.1
57: 105432	0.99	< 0.01	< 0.01	2.99	99.6	< 0.01	< 0.05	2.2	3.1
58: 105433	0.17	< 0.01	0.01	7.61	96.4	4.46	4.06	8.5	11.8
59: 105434	< 0.01	< 0.01	< 0.01	37.8	99.4	< 0.01	< 0.05	0.3	0.4
60: 105435	0.13	0.01	< 0.01	7.33	97.3	6.42	5.62	3.1	4.3
61: 105436	0.13	< 0.01	0.01	6.90	96.6	6.25	5.88	2.8	3.9
62: 105437	0.07	0.01	< 0.01	6.96	99.0	2.62	2.14	9.8	13.6
63: 105438	0.09	< 0.01	< 0.01	6.99	98.3	7.71	7.35	6.0	8.3

Online LIMS

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
64: 105439	65.1	0.64	25.1	2.08	0.62	0.04	0.17	0.03	0.08
65: 105440	64.4	0.78	25.5	1.74	0.38	0.04	0.11	0.03	0.05
66: 105441	58.2	0.75	31.6	2.50	1.15	0.07	0.25	0.02	0.13
67: 105442	55.8	7.07	23.4	2.50	2.75	1.10	1.14	0.33	0.26
68: 105443	53.8	3.09	35.4	1.99	0.58	0.29	0.76	0.13	0.09
69: 105444	66.3	1.35	26.1	1.43	0.39	0.09	0.27	0.05	0.03
70: 105445	43.4	0.82	47.3	1.75	1.61	0.12	0.36	0.02	0.16
71: 105446	49.6	0.46	42.9	1.63	1.44	0.05	0.21	0.02	0.18
72: 105447	50.6	0.49	40.7	1.86	1.40	0.06	0.24	0.02	0.18
73: 105448	52.1	0.52	39.5	1.35	0.97	0.05	0.22	0.02	0.11
74: 105449	46.3	0.15	48.7	1.51	1.14	< 0.01	0.07	< 0.01	0.13
75: 105450	46.4	0.09	50.3	1.29	0.75	< 0.01	0.04	< 0.01	0.12
76-DUP: 105396	71.8	1.13	20.5	1.55	0.29	0.08	0.28	0.05	0.06
77-DUP: 105416	71.2	1.38	20.3	1.44	0.32	0.17	0.50	0.06	0.07
78-DUP: 105435	37.6	9.18	34.3	4.41	2.88	0.63	0.31	0.40	0.25
79-REP: 105426	46.6	2.61	38.5	2.94	1.15	0.15	0.19	0.09	0.26

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
64: 105439	0.09	0.01	< 0.01	6.76	100.7	2.16	2.11	6.1	8.4
65: 105440	0.09	0.01	< 0.01	4.63	97.8	1.08	1.05	7.7	10.6
66: 105441	0.08	0.01	< 0.01	4.51	99.3	0.74	0.69	10.7	14.8
67: 105442	0.06	< 0.01	< 0.01	4.67	99.0	0.26	0.19	7.9	10.9
68: 105443	0.07	< 0.01	< 0.01	3.59	99.8	0.62	0.51	12.0	16.5
69: 105444	0.05	< 0.01	< 0.01	4.16	100.2	0.40	0.33	9.1	12.6
70: 105445	0.04	< 0.01	< 0.01	4.43	100.0	0.04	< 0.05	24.5	33.8
71: 105446	0.04	< 0.01	< 0.01	3.04	99.5	0.16	0.14	22.5	31.1
72: 105447	0.06	< 0.01	< 0.01	3.71	99.3	0.38	0.32	19.3	26.7
73: 105448	0.04	< 0.01	< 0.01	3.29	98.1	3.39	3.10	18.1	25.0
74: 105449	0.03	< 0.01	< 0.01	1.07	99.1	0.12	0.12	27.5	38.0
75: 105450	0.02	< 0.01	< 0.01	0.40	99.5	0.15	0.13	29.9	41.3
76-DUP: 105396	0.05	< 0.01	< 0.01	3.58	99.5	1.67	1.61	5.2	7.2
77-DUP: 105416	0.03	< 0.01	0.01	3.72	99.2	1.46	1.41	4.0	5.6
78-DUP: 105435	0.13	< 0.01	< 0.01	7.20	97.3	6.26	5.63	3.3	4.5
79-REP: 105426	0.06	< 0.01	< 0.01	5.70	98.2	2.59	---	13.2	18.2

Control Quality Assays: Not Suitable for Commercial Exchange



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 Project Coordinator

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March 23, 2012

Date Rec. : 06 February 2012

LR Report : CA02418-FEB12

Client Ref : 105170 to 105247

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample Prep BLK	50.4	12.8	7.71	12.0	12.0	1.26	0.26	0.45	0.02
2: 105170	46.8	0.21	46.0	2.02	0.72	0.03	0.09	< 0.01	0.09
3: 105171	45.7	0.22	45.8	2.23	0.75	0.01	0.10	0.01	0.09
4: 105172	52.0	0.15	41.7	1.93	0.58	0.01	0.08	< 0.01	0.11
5: 105173	48.1	0.47	40.4	1.93	0.42	0.04	0.12	0.02	0.10
6: 105174	47.9	0.87	39.4	2.16	0.71	0.07	0.22	0.07	0.11
7: 105175	46.7	1.75	40.4	2.73	1.03	0.08	0.23	0.09	0.13
8: 105176	53.1	1.79	31.4	2.27	0.82	0.09	0.23	0.08	0.07
9: 105177	45.4	2.73	35.3	2.56	0.76	0.16	0.43	0.14	0.05
10: 105178	49.0	4.41	31.1	2.78	1.33	0.11	0.30	0.22	0.08
11: 105179	54.8	5.18	28.2	2.31	0.47	0.07	0.21	0.29	0.04
12: 105180	52.2	6.27	27.6	2.51	1.94	0.01	0.07	0.27	0.07
13: 105181	53.8	7.98	23.1	2.38	2.86	0.02	0.47	0.33	0.07
14: 105182	54.3	7.80	22.9	2.40	2.76	0.01	0.52	0.32	0.08
15: 105183	53.0	3.08	31.0	3.29	1.15	0.02	0.46	0.14	0.07
16: 105184	57.6	0.22	33.1	3.40	1.31	0.01	0.10	0.01	0.14
17: 105185	53.1	0.22	37.5	3.64	1.45	0.02	0.11	< 0.01	0.05

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample Prep BLK	0.14	0.13	0.05	3.05	100.2	0.04	<0.05	0.4	0.6
2: 105170	0.05	< 0.01	< 0.01	4.88	100.9	0.04	<0.05	23.2	32.1
3: 105171	0.05	< 0.01	< 0.01	5.42	100.4	0.04	<0.05	22.5	31.1
4: 105172	0.03	< 0.01	< 0.01	3.85	100.5	0.26	0.26	21.5	29.7
5: 105173	0.07	0.01	< 0.01	7.72	99.4	2.61	2.37	16.7	23.0
6: 105174	0.08	0.01	< 0.01	8.76	100.4	1.02	1.00	15.5	21.4
7: 105175	0.09	0.01	< 0.01	6.77	100.0	0.65	0.59	17.2	23.8
8: 105176	0.08	0.01	< 0.01	10.4	100.2	0.28	0.28	5.9	8.2
9: 105177	0.07	0.01	< 0.01	12.8	100.4	0.26	0.26	2.8	3.9
10: 105178	0.08	0.02	0.01	11.1	100.5	0.28	0.28	1.2	1.6
11: 105179	0.10	0.02	< 0.01	8.22	100.0	0.62	0.60	1.7	2.4
12: 105180	0.21	< 0.01	0.01	8.28	99.5	0.63	0.61	0.9	1.3
13: 105181	0.22	< 0.01	0.01	7.96	99.2	0.46	0.46	0.6	0.8
14: 105182	0.23	0.01	< 0.01	8.09	99.4	0.46	0.43	0.7	1.0
15: 105183	0.16	0.01	< 0.01	7.47	99.9	0.55	0.47	9.0	12.5
16: 105184	0.09	< 0.01	< 0.01	4.13	100.1	0.12	0.11	14.6	20.1
17: 105185	0.08	< 0.01	< 0.01	4.53	100.7	0.04	<0.05	17.0	23.5

Online LIMS



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LR Report : CA02418-FEB12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
18: 105186	44.9	1.43	34.0	6.96	4.29	0.28	0.37	0.42	0.19
19: 105187	47.4	3.73	32.7	5.22	3.35	0.56	0.08	0.25	0.14
20: 105188	56.9	0.25	33.7	3.18	1.39	0.03	0.13	0.01	0.08
21: 105189	52.6	1.14	33.0	3.34	2.21	0.03	0.13	0.05	0.08
22: 105190	96.0	0.80	0.70	0.29	0.45	0.21	0.10	0.03	< 0.01
23: 105191	36.5	0.09	41.9	1.55	0.70	< 0.01	0.02	< 0.01	0.10
24: 105192	42.7	0.12	38.8	1.33	0.68	< 0.01	0.04	< 0.01	0.09
25: 105193	44.3	4.14	31.9	2.16	1.22	0.67	0.67	0.19	0.19
26: 105194	47.3	1.68	32.7	2.04	1.51	0.12	0.21	0.06	0.14
27: 105195	38.7	0.04	40.0	1.54	0.83	< 0.01	0.01	< 0.01	0.09
28: 105196	36.8	0.07	41.5	1.55	0.79	< 0.01	0.02	< 0.01	0.10
29: 105197	39.4	0.14	39.0	1.65	0.47	< 0.01	0.02	< 0.01	0.09
30: 105198	8.06	0.96	87.1	0.04	0.03	0.04	0.03	0.05	0.12
31: 105199	42.0	0.10	39.8	1.51	0.56	< 0.01	< 0.01	< 0.01	0.09
32: 105200	50.6	0.45	45.9	0.50	0.13	0.09	0.06	0.02	0.06
33: 105201	50.6	0.24	48.5	0.09	0.02	0.03	< 0.01	< 0.01	0.07
34: 105202	47.8	0.22	45.4	1.09	0.23	< 0.01	< 0.01	< 0.01	0.06
35: 105203	45.5	0.11	47.4	1.33	0.38	0.01	< 0.01	< 0.01	0.07
36: 105204	42.7	0.10	39.4	1.87	0.59	< 0.01	0.02	0.03	0.07
37: 105205	37.6	0.07	40.4	2.10	0.76	< 0.01	< 0.01	< 0.01	0.07
38: 105206	48.1	0.15	32.4	2.22	0.66	< 0.01	0.01	< 0.01	0.06
39: 105207	44.2	0.11	35.7	2.16	0.35	< 0.01	0.01	< 0.01	0.08
40: 105208	49.9	0.17	38.9	2.21	0.61	< 0.01	0.04	< 0.01	0.10
41: 105209	47.7	0.11	38.9	2.56	1.08	< 0.01	0.03	< 0.01	0.08
42: 105210	47.2	1.62	36.1	3.01	1.42	0.22	0.04	0.10	0.11
43: 105211	60.0	0.09	30.5	2.09	0.49	< 0.01	0.04	< 0.01	0.07
44: 105212	51.1	0.11	42.4	2.50	0.74	< 0.01	0.06	0.01	0.09

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
18: 105186	0.10	0.03	< 0.01	7.32	100.3	0.10	< 0.05	15.8	21.8
19: 105187	0.10	0.02	0.01	6.73	100.2	0.10	0.09	14.9	20.6
20: 105188	0.06	< 0.01	< 0.01	5.06	100.8	0.08	0.08	16.4	22.7
21: 105189	0.09	0.01	< 0.01	6.80	99.5	0.45	0.44	13.0	17.9
22: 105190	< 0.01	0.01	< 0.01	1.15	99.7	< 0.01	< 0.05	0.5	0.7
23: 105191	0.03	< 0.01	< 0.01	19.3	100.2	0.36	0.36	2.4	3.3
24: 105192	0.03	0.02	< 0.01	16.2	100.1	0.15	0.14	2.8	3.9
25: 105193	0.05	< 0.01	< 0.01	14.2	99.7	0.11	0.11	2.8	3.8
26: 105194	0.03	< 0.01	< 0.01	14.4	100.2	0.13	0.11	3.2	4.4
27: 105195	0.01	< 0.01	< 0.01	18.8	100.0	0.09	< 0.05	2.2	3.1
28: 105196	0.02	< 0.01	< 0.01	19.4	100.2	0.17	0.17	2.2	3.0
29: 105197	0.05	< 0.01	< 0.01	19.2	100.0	0.17	0.17	1.1	1.5
30: 105198	0.99	< 0.01	< 0.01	3.26	100.7	< 0.01	< 0.05	2.1	2.9
31: 105199	0.06	0.01	< 0.01	15.8	99.9	0.27	0.26	5.6	7.8
32: 105200	0.02	0.01	< 0.01	2.15	100.0	0.13	0.11	22.8	31.5
33: 105201	< 0.01	0.01	< 0.01	0.56	100.1	0.12	0.10	22.8	31.5
34: 105202	0.02	< 0.01	< 0.01	4.91	99.8	0.49	0.44	22.4	31.0
35: 105203	0.03	< 0.01	< 0.01	6.07	100.9	0.07	0.07	24.4	33.7
36: 105204	0.04	0.01	< 0.01	15.2	100.0	0.23	0.21	6.4	8.8
37: 105205	0.03	< 0.01	< 0.01	18.6	99.7	0.48	0.45	2.8	3.9
38: 105206	0.09	0.01	< 0.01	16.0	99.7	0.78	0.74	1.7	2.4
39: 105207	0.07	< 0.01	< 0.01	16.7	99.4	0.25	0.22	1.1	1.5
40: 105208	0.05	< 0.01	< 0.01	7.66	99.7	1.31	1.25	15.8	21.8
41: 105209	0.05	< 0.01	< 0.01	6.80	97.3	0.74	0.69	12.6	17.4
42: 105210	0.08	< 0.01	< 0.01	9.80	99.7	0.60	0.56	13.7	18.9
43: 105211	0.09	0.01	< 0.01	7.97	101.4	2.53	2.43	11.1	15.3
44: 105212	0.05	< 0.01	< 0.01	1.50	98.5	1.01	1.00	17.2	23.7

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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA02418-FEB12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
45: 105213	51.3	0.16	43.0	2.49	0.75	0.02	0.10	0.01	0.11
46: 105214	46.4	0.49	45.0	2.63	1.86	0.02	0.14	0.03	0.13
47: 105215	41.5	3.48	33.8	4.76	5.47	0.02	0.10	0.21	0.14
48: 105216	52.2	0.12	34.4	2.18	1.37	< 0.01	0.05	< 0.01	0.12
49: 105217	41.6	0.43	48.3	2.51	0.72	< 0.01	0.11	0.02	0.08
50-BLK: Sud-Sample Prep BLK	51.0	13.6	7.22	11.0	10.9	1.98	0.32	0.57	0.02
51: 105218	48.1	0.04	46.4	2.84	0.98	< 0.01	0.04	< 0.01	0.09
52: 105219	59.6	0.32	30.2	2.33	1.44	0.03	0.04	0.02	0.05
53: 105220	55.9	3.39	29.1	3.25	2.03	0.77	0.22	0.20	0.14
54: 105221	55.0	1.85	35.3	3.39	1.41	0.46	0.21	0.09	0.09
55: 105222	8.17	0.96	86.7	0.04	0.03	0.02	0.03	0.05	0.13
56: 105223	65.6	0.04	29.2	2.59	0.74	< 0.01	0.04	< 0.01	0.04
57: 105224	95.6	1.08	1.03	0.89	0.65	0.25	0.13	0.04	< 0.01
58: 105225	51.9	3.11	26.1	4.33	3.61	0.64	0.09	0.20	0.12
59: 105226	50.8	3.37	26.2	4.50	3.83	0.71	0.09	0.22	0.12
60: 105227	52.1	2.37	23.2	3.30	4.51	0.31	0.05	0.11	0.14
61: 105228	41.1	1.39	35.7	2.52	1.74	0.24	0.06	0.08	0.10
62: 105229	42.1	4.24	30.3	5.01	4.24	0.25	0.36	0.24	0.15
63: 105230	48.4	3.28	32.8	3.01	3.86	0.08	0.26	0.16	0.12
64: 105231	46.8	0.12	45.7	1.84	1.00	< 0.01	0.07	< 0.01	0.11
65: 105232	45.3	5.27	33.3	4.38	4.47	0.03	0.51	0.29	0.18
66: 105233	53.0	1.06	37.8	1.86	0.87	0.11	0.41	0.04	0.14
67: 105234	48.6	2.13	37.7	2.94	2.01	0.07	0.33	0.12	0.21
68: 105235	55.0	0.45	36.5	2.08	1.25	0.03	0.21	0.03	0.13
69: 105236	55.1	1.07	34.0	2.91	1.67	0.02	0.21	0.06	0.17
70: 105237	48.8	1.94	38.3	3.22	1.86	0.09	0.30	0.08	0.28
71: 105238	48.4	1.35	38.2	3.52	1.98	0.03	0.17	0.08	0.32

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
45: 105213	0.05	< 0.01	< 0.01	1.43	99.4	0.86	0.82	17.8	24.6
46: 105214	0.06	< 0.01	< 0.01	1.41	98.2	0.80	0.78	20.8	28.7
47: 105215	0.14	0.03	0.01	8.89	98.5	0.44	0.58	10.7	14.8
48: 105216	0.07	< 0.01	< 0.01	8.01	98.5	0.40	0.39	12.2	16.8
49: 105217	0.06	< 0.01	< 0.01	4.63	98.4	7.58	6.86	16.1	22.2
50-BLK: Sud-Sample Prep BLK	0.13	0.12	0.04	3.54	100.5	< 0.01	<0.05	0.4	0.6
51: 105218	0.05	< 0.01	< 0.01	1.19	99.7	0.18	0.18	21.8	30.1
52: 105219	0.09	< 0.01	< 0.01	4.37	98.5	3.63	3.38	10.8	14.9
53: 105220	0.10	0.04	< 0.01	3.74	98.9	3.69	3.41	8.8	12.1
54: 105221	0.09	< 0.01	< 0.01	2.22	100.1	0.07	0.07	15.7	21.7
55: 105222	0.98	< 0.01	< 0.01	3.10	100.2	< 0.01	<0.05	2.2	3.0
56: 105223	0.09	< 0.01	< 0.01	2.13	100.4	0.07	0.06	13.5	18.6
57: 105224	< 0.01	0.03	< 0.01	-0.20	99.5	< 0.01	<0.05	0.7	1.0
58: 105225	0.12	0.02	< 0.01	9.04	99.3	0.10	0.07	8.5	11.7
59: 105226	0.11	0.02	0.01	9.34	99.4	0.08	0.08	8.6	11.9
60: 105227	0.11	< 0.01	< 0.01	13.2	99.3	0.50	0.45	2.0	2.8
61: 105228	0.06	0.01	< 0.01	15.4	98.4	1.83	0.62	3.6	4.9
62: 105229	0.09	0.03	0.01	12.2	99.2	0.59	0.58	9.3	12.8
63: 105230	0.08	0.02	0.01	6.90	99.0	1.00	0.09	11.1	15.4
64: 105231	0.02	0.01	< 0.01	3.67	99.4	0.39	0.39	21.0	29.0
65: 105232	0.09	0.02	0.02	5.71	99.5	0.11	0.07	15.7	21.7
66: 105233	0.05	< 0.01	< 0.01	5.45	100.8	0.70	0.70	15.3	21.2
67: 105234	0.06	< 0.01	< 0.01	6.90	101.1	0.36	0.36	14.9	20.6
68: 105235	0.06	0.02	< 0.01	3.47	99.3	0.28	0.22	15.5	21.4
69: 105236	0.09	< 0.01	< 0.01	6.01	101.3	0.26	0.22	13.0	18.0
70: 105237	0.09	< 0.01	< 0.01	4.04	99.0	1.87	1.85	13.8	19.1
71: 105238	0.08	< 0.01	< 0.01	5.65	99.8	0.13	0.14	16.8	23.2

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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
72: 105239	43.8	0.77	43.9	3.53	2.33	0.03	0.19	0.04	0.35
73: 105240	52.6	0.47	37.2	2.95	1.62	0.04	0.22	0.01	0.23
74: 105241	54.1	3.17	28.3	4.48	2.82	0.04	0.21	0.21	0.32
75: 105242	50.9	2.21	32.3	3.93	3.32	0.10	0.33	0.13	0.20
76: 105243	50.7	10.5	19.1	7.51	2.79	0.24	0.61	0.67	0.33
77: 105244	50.7	0.94	34.3	2.80	2.97	0.08	0.36	0.03	0.13
78: 105245	55.0	1.41	33.4	2.83	1.50	0.11	0.51	0.06	0.14
79: 105246	54.2	1.27	34.4	2.97	1.50	0.12	0.48	0.04	0.14
80: 105247	61.3	0.95	30.2	2.54	1.21	0.11	0.34	0.03	0.13
81-DUP: 105188	56.7	0.25	33.6	3.15	1.38	0.03	0.13	0.01	0.08
82-DUP: 105208	50.0	0.16	39.0	2.22	0.61	< 0.01	0.05	< 0.01	0.11
83-DUP: 105227	52.1	2.37	23.1	3.33	4.51	0.32	0.05	0.11	0.14
85-REP: 105218	48.3	0.07	46.6	2.86	1.01	0.02	0.04	< 0.01	0.10

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
72: 105239	0.10	< 0.01	< 0.01	4.73	99.8	0.16	0.16	20.2	27.9
73: 105240	0.07	0.02	< 0.01	4.47	99.9	0.16	0.16	16.1	22.3
74: 105241	0.06	0.03	0.01	5.10	98.8	0.53	0.49	10.3	14.2
75: 105242	0.10	0.02	< 0.01	5.96	99.5	0.47	0.45	12.5	17.2
76: 105243	0.08	0.06	0.03	7.36	99.8	0.06	< 0.05	2.6	3.6
77: 105244	0.07	< 0.01	< 0.01	6.79	99.2	0.42	0.42	13.9	19.2
78: 105245	0.06	0.02	< 0.01	4.61	99.6	0.34	0.34	12.4	17.1
79: 105246	0.07	0.02	< 0.01	4.24	99.4	0.32	0.32	13.2	18.3
80: 105247	0.06	< 0.01	< 0.01	2.53	99.4	0.43	0.39	11.8	16.3
81-DUP: 105188	0.06	0.01	< 0.01	5.06	100.5	0.08	0.06	16.1	22.3
82-DUP: 105208	0.05	< 0.01	< 0.01	7.70	99.9	1.35	---	15.6	21.5
83-DUP: 105227	0.11	0.01	0.01	13.2	99.3	0.47	---	2.1	2.9
85-REP: 105218	0.05	< 0.01	< 0.01	1.09	100.1	0.20	0.18	21.6	29.8

Control Quality Analysis - Not suitable for commercial exchange



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June 21, 2012

Date Rec. : 15 May 2012

LR Report : CA02871-MAY12

Client Ref : 107659 to 107743

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample	59.5	22.8	0.22	0.07	0.40	10.4	4.77	< 0.01	0.01
2: 107659	41.6	2.62	35.5	2.25	1.36	0.02	0.10	0.11	0.16
3: 107660	39.3	2.01	41.7	2.24	1.68	0.01	0.03	0.07	0.20
4: 107661	54.9	1.32	31.2	1.63	1.15	< 0.01	0.04	0.05	0.16
5: 107662	50.8	1.11	30.5	1.54	1.13	0.02	0.16	0.06	0.19
6: 107663	58.1	4.18	25.1	1.79	0.93	0.03	0.11	0.15	0.08
7: 107664	53.0	4.04	30.7	1.92	0.91	0.03	0.17	0.16	0.13
8: 107665	44.8	2.02	40.7	1.90	0.60	0.04	0.29	0.09	0.22
9: 107666	50.4	0.96	34.3	1.59	0.80	0.02	0.16	0.04	0.16
10: 107667	52.1	1.94	31.1	1.77	0.82	0.02	0.13	0.06	0.14
11: 107668	45.8	1.14	36.1	1.82	1.37	< 0.01	0.08	0.04	0.19
12: 107669	39.1	2.02	37.6	2.30	1.34	< 0.01	0.03	0.09	0.21
13: 107670	65.8	1.25	22.3	1.46	0.40	0.03	0.08	0.04	0.07
14: 107671	54.9	0.71	27.9	1.84	1.01	0.01	< 0.01	0.03	0.11
15: 107672	8.15	0.95	86.3	0.04	0.03	0.01	0.03	0.06	0.13

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample	< 0.01	< 0.01	< 0.01	0.83	98.9	0.01	< 0.05	0.1	0.2
2: 107659	0.09	< 0.01	< 0.01	15.3	99.2	0.68	0.66	1.8	2.5
3: 107660	0.04	0.02	< 0.01	12.0	99.3	0.66	0.63	10.6	14.7
4: 107661	0.01	0.03	< 0.01	8.68	99.2	1.11	0.90	8.7	12.0
5: 107662	0.03	0.01	< 0.01	13.7	99.3	0.52	0.44	2.0	2.7
6: 107663	0.07	0.01	< 0.01	8.34	98.9	0.88	0.71	1.0	1.4
7: 107664	0.09	0.01	< 0.01	9.74	100.9	0.60	0.54	5.1	7.1
8: 107665	0.05	0.01	< 0.01	7.88	98.7	0.29	0.26	11.0	15.2
9: 107666	0.03	0.01	< 0.01	11.9	100.4	0.22	0.20	5.8	8.0
10: 107667	0.04	0.01	< 0.01	11.9	100.1	0.17	0.16	2.8	3.8
11: 107668	0.03	0.01	< 0.01	12.5	99.0	0.32	0.22	7.0	9.6
12: 107669	0.04	< 0.01	< 0.01	16.6	99.3	0.80	0.80	2.0	2.7
13: 107670	0.05	0.03	< 0.01	9.41	100.9	2.02	1.65	1.7	2.4
14: 107671	0.05	< 0.01	< 0.01	12.8	99.3	0.62	0.53	1.8	2.5
15: 107672	0.99	< 0.01	< 0.01	3.12	99.8	0.01	< 0.05	2.1	2.9

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LR Report : CA02871-MAY12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 107673	42.6	4.26	33.5	2.34	0.93	0.13	0.22	0.15	0.13
17: 107674	8.03	0.08	0.27	9.54	43.3	0.01	< 0.01	< 0.01	0.01
18: 107675	59.0	1.07	24.6	1.72	0.59	0.07	0.11	0.03	0.09
19: 107676	62.2	1.01	22.4	1.62	0.52	0.07	0.10	0.03	0.09
20: 107677	52.8	1.18	28.1	2.07	0.83	0.09	0.17	0.05	0.10
21: 107678	63.3	1.22	21.6	1.59	0.47	0.04	0.07	0.06	0.07
22: 107679	58.6	0.91	27.1	1.81	0.85	0.01	0.08	0.04	0.09
23: 107680	50.0	0.24	37.3	1.94	1.39	0.02	0.09	0.01	0.12
24: 107681	46.7	0.18	42.7	1.79	1.62	0.02	0.08	0.03	0.16
25: 107682	44.1	0.22	43.7	2.00	1.32	< 0.01	0.09	< 0.01	0.14
26: 107683	53.6	3.15	29.2	2.28	1.69	0.06	0.43	0.13	0.13
27: 107684	48.2	3.68	29.6	2.54	2.12	< 0.01	0.19	0.15	0.13
28: 107685	55.8	2.20	25.6	2.02	1.86	0.01	0.01	0.09	0.14
29: 107686	49.4	3.11	29.6	2.43	1.95	0.01	0.17	0.12	0.13
30: 107687	49.9	1.73	31.1	2.41	1.67	0.02	0.21	0.06	0.12
31: 107688	47.0	2.46	32.3	2.45	1.08	0.01	0.15	0.10	0.10
32: 107689	51.5	1.11	31.2	2.09	1.32	0.02	0.16	0.03	0.10
33: 107690	39.8	1.34	39.1	2.78	1.83	0.01	0.16	0.04	0.28
34: 107691	51.9	0.70	28.9	2.04	1.10	< 0.01	< 0.01	0.03	0.17
35: 107692	58.0	0.46	25.5	2.05	0.82	0.04	0.18	0.02	0.09
36: 107693	56.3	1.02	28.3	2.34	0.69	0.06	0.19	0.03	0.10
37: 107694	23.6	6.48	52.9	3.45	0.19	0.16	0.44	0.26	0.08
38: 107695	58.3	1.51	27.9	2.06	0.63	0.09	0.30	0.06	0.09
39: 107696	23.7	7.77	52.5	3.02	0.33	0.12	0.18	0.36	0.08

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 107673	0.12	< 0.01	< 0.01	13.2	97.6	4.58	4.29	1.4	2.0
17: 107674	0.01	< 0.01	< 0.01	38.4	99.7	0.01	< 0.05	< 0.1	0.1
18: 107675	0.07	0.02	< 0.01	11.7	99.1	1.64	1.29	1.2	1.6
19: 107676	0.07	0.02	< 0.01	10.9	99.0	1.24	1.01	0.9	1.3
20: 107677	0.08	0.02	< 0.01	13.4	98.9	2.30	1.94	2.2	3.0
21: 107678	0.07	0.03	< 0.01	10.5	99.0	2.18	1.91	0.7	1.0
22: 107679	0.05	0.02	< 0.01	9.63	99.2	1.36	1.01	5.7	7.9
23: 107680	0.04	0.02	< 0.01	9.15	100.3	0.10	0.09	14.0	19.3
24: 107681	0.02	< 0.01	< 0.01	7.01	100.3	0.15	0.10	19.4	26.8
25: 107682	0.04	0.01	< 0.01	8.81	100.5	0.09	0.06	18.7	25.8
26: 107683	0.07	< 0.01	< 0.01	7.98	98.7	1.01	0.77	4.8	6.6
27: 107684	0.09	< 0.01	< 0.01	12.7	99.3	0.43	0.36	0.9	1.3
28: 107685	0.08	0.03	< 0.01	11.4	99.3	0.60	0.54	0.7	1.0
29: 107686	0.11	0.03	< 0.01	12.0	99.0	0.62	0.54	1.3	1.8
30: 107687	0.06	0.01	< 0.01	11.3	98.5	0.44	0.37	3.0	4.2
31: 107688	0.06	0.02	< 0.01	13.4	99.2	0.55	0.53	1.2	1.6
32: 107689	0.07	0.02	< 0.01	11.6	99.2	0.56	0.48	4.6	6.4
33: 107690	0.06	< 0.01	< 0.01	14.0	99.4	0.46	0.40	7.4	10.2
34: 107691	0.05	0.02	< 0.01	14.3	99.2	0.27	0.24	0.7	1.0
35: 107692	0.06	0.02	< 0.01	12.1	99.3	0.36	0.33	1.0	1.4
36: 107693	0.15	0.02	< 0.01	10.0	99.2	2.34	2.08	4.3	6.0
37: 107694	0.13	< 0.01	< 0.01	11.7	99.5	13.8	13.5	3.6	4.9
38: 107695	0.09	0.01	< 0.01	8.11	99.1	3.53	3.17	3.7	5.1
39: 107696	0.05	< 0.01	0.01	9.53	97.7	14.7	14.6	4.7	6.5



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Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA02871-MAY12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
40: 107697	55.4	1.63	29.9	2.07	0.70	0.15	0.41	0.08	0.10
41: 107698	43.3	5.15	40.6	2.23	0.29	0.08	0.11	0.25	0.07
42: 107699	59.6	2.15	25.8	2.14	0.49	0.05	0.12	0.13	0.12
43: 107700	61.4	1.75	23.6	2.00	0.44	0.03	0.03	0.08	0.10
44: 107701	54.1	2.57	30.9	2.25	0.77	0.02	0.04	0.13	0.12
45: 107702	8.08	0.97	86.8	0.04	0.04	0.02	0.03	0.05	0.13
46: 107703	59.9	0.84	27.4	2.26	0.71	0.06	0.10	0.02	0.14
47: 107704	8.38	0.09	0.22	6.21	46.6	< 0.01	< 0.01	< 0.01	0.02
48: 107705	61.2	0.87	26.8	1.88	0.60	0.11	0.07	0.03	0.11
49: 107706	62.3	0.83	25.8	1.80	0.58	0.02	0.06	0.03	0.10
50-BLK: Sud-Sampl	60.1	23.1	0.23	0.07	0.38	10.4	4.77	< 0.01	< 0.01
51: 107707	53.8	2.10	31.6	2.38	0.77	0.04	0.08	0.10	0.14
52: 107708	43.5	4.29	37.8	2.41	0.59	0.06	0.13	0.16	0.11
53: 107709	58.8	0.59	27.0	2.27	1.01	0.04	0.12	0.02	0.09
54: 107710	53.2	1.48	30.4	2.43	1.36	0.09	0.26	0.07	0.12
55: 107711	44.6	0.38	44.5	1.85	1.31	0.04	0.15	0.02	0.17
56: 107712	43.7	0.41	45.3	2.05	1.49	0.04	0.19	0.01	0.15
57: 107713	50.4	0.55	35.5	2.15	1.34	0.02	0.14	0.03	0.13
58: 107714	61.3	1.06	25.9	2.13	0.64	0.12	0.34	0.05	0.11
59: 107715	62.6	1.39	24.9	1.94	0.55	0.10	0.27	0.06	0.09
60: 107716	56.0	0.65	33.3	2.32	0.73	0.05	0.24	0.03	0.12
61: 107717	50.6	0.28	41.2	1.83	1.27	0.03	0.13	0.02	0.16
62: 107718	49.5	0.28	44.2	1.77	1.10	0.01	0.13	0.02	0.13
63: 107719	45.8	0.31	46.2	2.15	1.34	0.03	0.15	0.01	0.12

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
40: 107697	0.12	0.02	< 0.01	8.26	98.8	5.28	5.23	3.4	4.7
41: 107698	0.06	< 0.01	< 0.01	7.41	99.7	11.3	11.3	4.0	5.6
42: 107699	0.10	0.01	< 0.01	8.19	98.9	2.99	2.91	3.6	4.9
43: 107700	0.10	0.02	0.01	9.64	99.2	2.23	1.98	1.3	1.8
44: 107701	0.10	0.02	< 0.01	7.43	98.4	4.49	4.42	6.7	9.3
45: 107702	1.00	< 0.01	< 0.01	3.19	100.4	0.02	< 0.05	2.2	3.0
46: 107703	0.09	0.02	< 0.01	8.48	100.0	1.00	0.69	7.2	9.9
47: 107704	< 0.01	< 0.01	< 0.01	37.7	99.3	0.01	< 0.05	< 0.1	0.1
48: 107705	0.07	0.02	< 0.01	7.41	99.2	2.06	1.86	6.9	9.5
49: 107706	0.07	0.03	< 0.01	7.35	98.9	2.28	2.06	6.4	8.8
50-BLK: Sud-Sampl	< 0.01	< 0.01	< 0.01	0.72	99.7	0.01	< 0.05	0.4	0.5
51: 107707	0.08	0.01	< 0.01	7.28	98.4	2.52	2.36	8.8	12.2
52: 107708	0.15	< 0.01	< 0.01	8.82	98.0	7.15	7.15	5.2	7.2
53: 107709	0.10	0.02	< 0.01	8.86	98.9	1.07	0.87	6.1	8.4
54: 107710	0.08	0.02	< 0.01	9.52	99.1	1.78	1.59	5.6	7.8
55: 107711	0.02	0.02	< 0.01	6.81	99.9	0.09	0.06	19.7	27.2
56: 107712	0.04	< 0.01	< 0.01	6.30	99.7	0.11	0.09	20.0	27.7
57: 107713	0.04	0.01	< 0.01	7.17	97.4	0.27	0.26	12.0	16.5
58: 107714	0.08	0.02	< 0.01	7.29	99.0	0.72	0.66	5.1	7.0
59: 107715	0.08	0.02	< 0.01	7.09	99.0	2.28	2.09	4.1	5.7
60: 107716	0.08	< 0.01	< 0.01	5.67	99.2	0.70	0.65	10.5	14.5
61: 107717	0.04	< 0.01	< 0.01	4.39	99.9	0.17	0.16	18.7	25.8
62: 107718	0.03	< 0.01	< 0.01	2.86	100.0	0.15	0.13	20.9	28.9
63: 107719	0.05	< 0.01	< 0.01	3.42	99.6	0.31	0.29	21.1	29.1

Online LIMS



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LR Report : CA02871-MAY12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
64: 107720	45.8	0.48	43.4	1.94	1.51	0.06	0.21	0.02	0.11
65: 107721	43.8	0.44	45.8	1.84	1.35	0.05	0.18	0.02	0.14
66: 107722	53.0	0.33	38.8	1.71	1.16	0.02	0.15	0.02	0.11
67: 107723	48.4	0.42	44.0	1.88	1.35	0.03	0.19	0.02	0.12
68: 107724	48.5	0.22	43.7	1.87	1.47	0.01	0.10	0.01	0.14
69: 107725	45.1	0.19	47.4	1.93	1.30	< 0.01	0.09	< 0.01	0.13
70: 107726	45.7	0.09	47.5	2.11	1.53	< 0.01	0.06	< 0.01	0.13
71: 107727	48.4	0.25	44.6	2.07	1.40	0.50	0.10	0.01	0.13
72: 107728	57.8	1.39	32.8	2.07	1.03	0.07	0.30	0.06	0.12
73: 107729	47.4	2.13	39.5	2.60	1.40	0.14	0.47	0.09	0.10
74: 107730	61.3	0.61	30.0	2.11	0.68	0.06	0.26	0.02	0.04
75: 107731	64.4	0.33	25.7	1.70	0.62	0.05	0.15	< 0.01	0.02
76: 107732	8.06	0.99	86.3	0.05	0.03	0.02	0.03	0.05	0.13
77: 107733	66.1	0.29	20.5	2.18	2.08	0.07	0.12	< 0.01	0.02
78: 107734	7.81	0.13	0.29	5.86	47.4	0.13	< 0.01	< 0.01	0.02
79: 107735	51.3	0.88	29.8	2.40	2.39	0.10	0.27	0.03	0.11
80: 107736	50.4	0.85	30.1	2.43	2.57	0.09	0.26	0.04	0.12
81: 107737	50.2	1.37	33.6	2.71	1.60	0.10	0.32	0.05	0.23
82: 107738	55.9	1.20	29.9	2.51	0.93	0.11	0.28	0.05	0.17
83: 107739	65.3	1.03	24.3	1.94	0.54	0.10	0.27	0.04	0.10
84: 107740	59.9	0.53	30.7	1.55	0.94	0.03	0.11	0.04	0.12
85: 107741	51.2	0.53	33.5	1.99	1.37	0.06	0.18	0.02	0.12
86: 107742	61.8	1.30	27.3	1.68	0.77	0.09	0.23	0.08	0.08
87: 107743	46.7	0.24	46.4	1.61	1.15	0.03	0.10	< 0.01	0.15

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
64: 107720	0.05	0.01	< 0.01	6.02	99.6	0.20	0.18	19.8	27.4
65: 107721	0.03	< 0.01	< 0.01	6.84	100.6	0.07	0.06	20.6	28.4
66: 107722	0.04	< 0.01	< 0.01	3.82	99.2	0.26	0.24	18.2	25.1
67: 107723	0.04	< 0.01	< 0.01	2.78	99.2	0.23	0.17	20.8	28.7
68: 107724	0.04	< 0.01	< 0.01	3.66	99.7	0.12	0.10	20.7	28.6
69: 107725	0.03	< 0.01	< 0.01	2.71	99.0	0.20	0.18	24.1	33.3
70: 107726	0.03	< 0.01	< 0.01	1.87	99.0	0.17	0.14	23.2	32.0
71: 107727	0.04	< 0.01	0.01	2.35	99.9	0.54	0.48	20.6	28.4
72: 107728	0.07	< 0.01	< 0.01	3.53	99.3	1.20	0.92	12.0	16.6
73: 107729	0.11	0.01	< 0.01	5.10	99.1	0.93	0.70	14.3	19.7
74: 107730	0.09	< 0.01	< 0.01	4.71	99.9	0.61	0.46	10.0	13.8
75: 107731	0.07	< 0.01	< 0.01	5.45	98.5	0.14	0.08	8.7	12.0
76: 107732	0.99	< 0.01	< 0.01	3.13	99.8	0.02	< 0.05	2.2	3.0
77: 107733	0.06	0.04	< 0.01	6.98	98.4	0.35	0.29	5.8	8.0
78: 107734	< 0.01	< 0.01	< 0.01	38.7	100.3	< 0.01	< 0.05	< 0.1	0.1
79: 107735	0.09	< 0.01	< 0.01	9.92	97.2	3.54	3.32	6.6	9.1
80: 107736	0.09	< 0.01	< 0.01	10.1	97.1	3.73	3.42	6.4	8.9
81: 107737	0.07	< 0.01	< 0.01	7.66	97.9	3.92	3.47	8.5	11.8
82: 107738	0.09	< 0.01	< 0.01	6.56	97.7	1.52	1.22	8.5	11.8
83: 107739	0.08	0.02	< 0.01	5.98	99.7	1.26	0.91	6.2	8.5
84: 107740	0.04	< 0.01	< 0.01	5.85	99.9	0.26	0.19	11.8	16.3
85: 107741	0.09	< 0.01	< 0.01	9.46	98.5	0.87	0.71	9.3	12.8
86: 107742	0.07	0.02	< 0.01	5.12	98.6	0.63	0.56	9.6	13.3
87: 107743	0.04	< 0.01	< 0.01	2.65	99.1	0.10	0.09	25.0	34.6



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LR Report : CA02871-MAY12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
88-DUP: 107677	52.5	1.18	28.2	2.06	0.84	0.07	0.17	0.04	0.09
89-DUP: 107697	55.3	1.63	29.5	2.08	0.69	0.15	0.41	0.08	0.10
90-DUP: 107716	56.2	0.65	33.4	2.35	0.74	0.06	0.24	0.03	0.12
91-DUP: 107736	50.5	0.87	30.2	2.44	2.56	0.09	0.25	0.04	0.12
92-REP: 107707	54.7	2.10	31.8	2.42	0.75	0.06	0.08	0.10	0.14

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
88-DUP: 107677	0.08	0.02	< 0.01	13.4	98.6	2.29	---	2.0	2.8
89-DUP: 107697	0.12	0.01	< 0.01	8.07	98.1	5.18	5.25	3.5	4.8
90-DUP: 107716	0.08	< 0.01	< 0.01	5.76	99.7	0.71	0.66	10.7	14.8
91-DUP: 107736	0.09	< 0.01	< 0.01	10.1	97.2	3.58	3.13	6.6	9.1
92-REP: 107707	0.08	0.01	< 0.01	7.06	99.3	2.57	2.34	9.0	12.5

Control Quality Analysis - Not suitable for commercial exchange



April Rice
Project Coordinator

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Rogue Resources

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February 29, 2012

Date Rec. : 13 February 2012

LR Report : CA02890-FEB12

Client Ref : 105248 to 105296

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample Pr	48.7	12.6	8.08	12.5	12.7	1.00	0.20	0.25	0.02
2: 105248	52.7	0.72	37.6	2.76	1.45	0.08	0.29	0.02	0.23
3: 105249	49.4	5.62	27.1	4.12	4.29	1.22	0.30	0.30	0.33
4: 105250	58.8	2.11	29.4	2.21	0.89	0.09	0.26	0.08	0.11
5: 105251	53.2	1.89	33.0	2.57	0.66	0.07	0.19	0.07	0.08
6: 105252	25.8	6.78	48.5	2.80	3.06	1.10	0.70	0.61	0.10
7: 105253	60.7	0.93	27.9	2.17	0.82	0.09	0.31	0.02	0.03
8: 105254	97.8	0.56	0.64	0.18	0.25	0.14	0.08	0.02	< 0.01
9: 105255	51.3	3.50	30.8	3.30	1.31	0.08	0.17	0.18	0.18
10: 105256	52.5	3.13	30.3	3.08	1.30	0.07	0.17	0.16	0.16
11: 105257	40.1	2.91	42.5	2.66	0.75	0.05	0.02	0.11	0.19
12: 105258	50.2	1.65	35.4	2.48	0.72	0.04	0.10	0.06	0.07
13: 105259	60.8	2.09	26.3	2.46	1.33	0.25	0.23	0.10	0.09
14: 105260	54.6	4.01	28.8	2.97	1.84	0.78	0.48	0.18	0.15
15: 105261	49.2	0.30	41.9	3.09	1.31	< 0.01	0.12	< 0.01	0.15

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample Pr	0.13	0.10	0.04	3.49	99.8	0.03	<0.05	0.3	0.4
2: 105248	0.05	< 0.01	< 0.01	4.02	99.9	0.82	0.74	18.2	25.2
3: 105249	0.09	< 0.01	< 0.01	5.41	98.2	1.03	0.96	29.2	40.3
4: 105250	0.08	< 0.01	0.01	5.00	99.0	3.12	2.66	8.9	12.3
5: 105251	0.09	< 0.01	< 0.01	6.90	98.7	3.28	3.04	9.5	13.1
6: 105252	0.09	0.04	0.02	8.43	98.0	18.4	17.2	8.1	11.2
7: 105253	0.08	< 0.01	< 0.01	7.06	100.1	0.58	0.52	8.5	11.7
8: 105254	< 0.01	0.03	< 0.01	0.66	100.4	< 0.01	<0.05	0.6	0.8
9: 105255	0.09	0.02	< 0.01	8.10	99.1	2.02	1.86	6.7	9.2
10: 105256	0.08	0.01	< 0.01	8.04	99.0	2.01	1.88	6.5	9.0
11: 105257	0.12	< 0.01	< 0.01	9.88	99.3	6.75	6.08	11.6	16.0
12: 105258	0.08	< 0.01	< 0.01	8.84	99.7	4.28	3.80	10.5	14.5
13: 105259	0.07	< 0.01	< 0.01	6.50	100.2	0.80	0.76	8.3	11.5
14: 105260	0.07	< 0.01	< 0.01	6.24	100.1	1.05	0.97	9.3	12.8
15: 105261	0.10	< 0.01	< 0.01	4.18	100.4	0.14	0.12	21.6	29.9



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LR Report : CA02890-FEB12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 105262	57.5	6.94	20.8	3.32	2.75	2.18	0.42	0.34	0.28
17: 105263	51.1	1.08	38.3	3.25	1.54	0.23	0.22	0.05	0.15
18: 105264	55.2	0.28	38.5	2.94	0.91	0.01	0.11	0.02	0.08
19: 105265	57.9	0.64	35.3	2.47	0.65	0.06	0.22	0.03	0.06
20: 105266	53.0	1.76	34.1	2.96	1.60	0.07	0.29	0.09	0.15
21: 105267	49.3	2.67	37.5	2.90	1.20	0.17	0.61	0.11	0.14
22: 105268	48.4	4.97	32.4	4.28	2.77	0.32	0.41	0.29	0.27
23: 105269	54.4	2.53	32.9	3.25	1.78	0.08	0.40	0.16	0.15
24: 105270	54.1	9.37	12.6	6.67	6.24	0.03	0.74	0.67	0.63
25: 105271	72.3	1.22	20.6	2.01	1.16	0.03	0.13	0.08	0.07
26: 105272	45.0	12.3	12.8	8.86	7.22	0.05	0.88	0.92	0.85
27: 105273	51.1	0.44	38.6	1.56	2.74	< 0.01	0.11	0.02	0.08
28: 105274	55.3	2.48	30.0	3.52	2.67	< 0.01	0.25	0.18	0.21
29: 105275	63.8	0.90	26.6	2.16	0.35	0.07	0.26	0.05	0.06
30: 105276	49.6	0.74	37.3	2.61	1.04	0.03	0.13	0.03	0.06
31: 105277	46.8	0.45	46.7	1.90	0.75	0.03	0.15	0.02	0.09
32: 105278	49.2	0.22	46.2	1.98	0.79	< 0.01	0.08	0.01	0.10
33: 105279	46.6	0.20	45.6	2.09	0.91	< 0.01	0.06	0.02	0.08
34: 105280	57.7	3.31	28.3	2.48	1.00	0.09	0.27	0.15	0.06
35: 105281	48.3	1.88	29.3	1.96	1.20	0.60	0.18	0.09	0.12
36: 105282	8.18	0.96	87.5	0.04	0.03	0.02	0.03	0.05	0.12
37: 105283	48.3	0.44	32.3	1.90	0.79	0.04	0.04	0.02	0.10
38: 105284	97.3	1.12	0.88	0.27	0.55	0.30	0.16	0.03	0.01
39: 105285	44.9	0.72	32.9	2.80	0.42	0.06	0.02	0.03	0.10

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 105262	0.06	0.01	< 0.01	5.80	100.5	0.07	0.07	8.3	11.5
17: 105263	0.07	< 0.01	< 0.01	3.64	99.6	0.34	0.33	19.3	26.6
18: 105264	0.09	< 0.01	< 0.01	2.03	100.2	0.28	0.27	20.5	28.3
19: 105265	0.07	< 0.01	< 0.01	2.79	100.1	0.56	0.49	16.6	23.0
20: 105266	0.09	0.01	< 0.01	5.26	99.4	0.46	0.43	13.0	18.0
21: 105267	0.08	< 0.01	< 0.01	5.07	99.8	0.66	0.60	14.4	19.9
22: 105268	0.09	0.02	< 0.01	4.65	98.9	0.66	0.66	12.4	17.1
23: 105269	0.10	0.01	< 0.01	3.59	99.4	0.81	0.80	12.5	17.3
24: 105270	0.08	0.03	0.02	7.79	99.0	0.25	0.25	1.2	1.6
25: 105271	0.05	0.01	< 0.01	1.66	99.3	0.30	0.30	7.1	9.8
26: 105272	0.09	0.05	0.03	9.59	98.6	0.17	0.17	0.4	0.5
27: 105273	0.06	< 0.01	< 0.01	1.81	96.6	0.79	0.76	22.7	31.3
28: 105274	0.10	< 0.01	< 0.01	4.39	99.1	0.73	0.71	10.9	15.0
29: 105275	0.14	< 0.01	< 0.01	5.20	99.6	2.73	2.44	5.6	7.7
30: 105276	0.05	0.02	< 0.01	7.87	99.4	0.13	0.13	13.8	19.0
31: 105277	0.02	< 0.01	< 0.01	2.01	98.9	0.12	0.11	26.1	36.1
32: 105278	0.04	< 0.01	< 0.01	1.78	100.4	0.34	0.34	23.7	32.7
33: 105279	0.04	< 0.01	< 0.01	4.27	100.0	0.12	0.12	24.7	34.1
34: 105280	0.09	< 0.01	< 0.01	6.44	99.9	0.38	0.38	6.4	8.8
35: 105281	0.03	< 0.01	< 0.01	15.6	99.3	1.03	0.98	0.4	0.6
36: 105282	0.99	< 0.01	< 0.01	3.20	101.1	< 0.01	< 0.05	2.2	3.1
37: 105283	0.02	< 0.01	< 0.01	16.4	100.3	0.38	0.37	0.4	0.6
38: 105284	< 0.01	0.01	< 0.01	0.56	101.2	< 0.01	< 0.05	0.6	0.8
39: 105285	0.07	< 0.01	< 0.01	17.7	99.8	2.00	1.95	0.3	0.4

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
40: 105286	43.8	0.70	33.3	2.81	0.42	0.06	0.02	0.03	0.11
41: 105287	40.7	0.06	30.5	7.47	0.33	< 0.01	< 0.01	< 0.01	0.09
42: 105288	43.6	0.39	29.0	5.42	0.32	< 0.01	0.06	0.03	0.09
43: 105289	53.4	0.12	26.6	3.02	0.31	< 0.01	< 0.01	< 0.01	0.07
44: 105290	33.9	4.40	31.3	4.68	2.97	0.76	0.35	0.32	0.19
45: 105291	50.4	0.89	31.1	1.85	0.31	0.04	0.16	0.10	0.04
46: 105292	47.1	0.30	32.9	1.75	0.61	0.03	0.03	0.01	0.07
47: 105293	40.6	0.28	42.7	1.45	0.57	0.09	< 0.01	0.02	0.06
48: 105294	46.0	4.61	27.1	5.41	4.05	0.78	0.12	0.30	0.29
49: 105295	59.9	1.42	25.6	2.98	1.61	0.08	0.18	0.10	0.07
50-BLK: Sud-Sample	51.1	12.1	7.67	12.4	12.6	1.21	0.34	0.25	0.02
51: 105296	53.8	0.08	38.7	3.36	0.65	< 0.01	0.05	< 0.01	0.06
52-DUP: 105266	53.2	1.79	34.2	2.99	1.62	0.07	0.30	0.09	0.16
53-DUP: 105286	44.0	0.68	33.6	2.84	0.43	0.07	0.02	0.03	0.11

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
40: 105286	0.08	< 0.01	< 0.01	18.0	99.4	1.93	1.83	0.5	0.7
41: 105287	0.14	< 0.01	< 0.01	22.0	101.2	7.00	6.26	0.4	0.5
42: 105288	0.11	< 0.01	< 0.01	19.7	98.8	5.80	5.16	0.4	0.5
43: 105289	0.10	0.01	< 0.01	15.8	99.5	3.57	3.26	0.4	0.5
44: 105290	0.23	0.02	< 0.01	17.9	97.2	7.14	6.74	0.4	0.6
45: 105291	0.11	< 0.01	< 0.01	16.5	101.4	8.24	7.81	0.5	0.7
46: 105292	0.05	< 0.01	< 0.01	16.7	99.6	1.43	1.35	0.6	0.9
47: 105293	0.01	< 0.01	< 0.01	14.2	100.0	0.66	0.54	3.3	4.6
48: 105294	0.09	0.02	0.01	9.65	98.5	0.41	0.32	0.9	1.3
49: 105295	0.25	0.01	< 0.01	6.86	99.0	2.62	2.24	7.1	9.8
50-BLK: Sud-Sample	0.13	0.11	0.03	2.93	100.8	0.02	<0.05	0.6	0.9
51: 105296	0.08	< 0.01	< 0.01	3.98	100.7	0.18	0.18	16.1	22.2
52-DUP: 105266	0.09	0.01	< 0.01	5.42	100.0	0.46	0.43	13.0	18.0
53-DUP: 105286	0.07	0.02	< 0.01	18.0	99.8	1.87	1.85	0.6	0.8

Control Quality Analysis - Not suitable for commercial exchange



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June 19, 2012

Date Rec. : 18 May 2012
LR Report : CA03079-MAY12

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sam	52.4	13.3	7.81	10.8	12.3	1.23	0.37	0.44	0.05
2: 107744	46.2	0.17	43.9	1.88	1.47	0.03	0.07	< 0.01	0.14
3: 107745	47.1	0.17	46.0	1.54	1.14	0.02	0.08	< 0.01	0.16
4: 107746	48.3	0.68	39.9	1.68	1.03	0.08	0.17	0.03	0.15
5: 107747	52.2	0.32	42.0	1.60	1.01	0.10	0.10	< 0.01	0.11
6: 107748	45.6	0.42	45.0	2.81	2.30	0.02	0.08	0.02	0.12
7: 107749	54.9	0.11	35.8	3.56	1.26	0.03	0.06	< 0.01	0.07
8: 107750	61.2	0.27	26.9	2.45	0.36	0.04	0.08	0.01	0.02
9: 107751	53.6	2.53	28.3	3.96	2.38	0.07	0.13	0.17	0.13
10: 107752	41.8	10.4	10.7	9.47	10.4	1.76	0.05	0.81	0.28
11: 107753	47.8	1.89	38.5	1.83	0.37	0.02	< 0.01	0.09	0.14
12: 107754	54.8	2.49	33.1	1.52	0.18	0.01	< 0.01	0.14	0.10
13: 107755	49.8	0.94	39.6	1.42	0.22	0.02	0.01	0.03	0.13

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic Fe %	Fe3O4 Fe %	Fe3O4 %
1-BLK: Sud-Sam	0.14	0.13	0.04	2.16	101.1	0.08	0.11	< 0.1	< 0.1
2: 107744	0.04	0.01	< 0.01	5.26	99.2	0.09	0.06	21.1	29.2
3: 107745	0.03	0.01	< 0.01	2.27	98.5	0.06	< 0.05	25.4	35.1
4: 107746	0.06	0.02	< 0.01	7.08	99.2	0.46	0.36	16.1	22.2
5: 107747	0.05	0.02	< 0.01	3.29	100.8	0.14	0.10	20.8	28.8
6: 107748	0.06	0.01	< 0.01	3.29	99.8	0.15	0.11	22.2	30.7
7: 107749	0.16	0.01	< 0.01	2.80	98.7	0.52	0.38	11.4	15.8
8: 107750	0.22	0.06	< 0.01	9.07	100.7	3.75	3.02	4.5	6.2
9: 107751	0.21	0.03	0.01	6.46	98.0	3.74	3.15	7.8	10.7
10: 107752	0.18	0.09	0.05	14.5	100.6	0.02	< 0.05	< 0.1	< 0.1
11: 107753	0.06	0.02	< 0.01	9.52	100.2	0.43	0.31	9.8	13.5
12: 107754	0.04	0.03	0.01	7.64	100.0	0.54	0.43	5.1	7.1
13: 107755	0.06	0.02	< 0.01	8.00	100.3	0.33	0.25	13.6	18.8

Online LIMS



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LR Report : CA03079-MAY12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
14: 107756	50.7	0.44	44.7	1.06	0.18	0.01	0.01	0.02	0.13
15: 107757	46.4	0.15	47.9	1.34	0.28	0.02	0.03	< 0.01	0.12
16: 107758	46.4	0.40	46.0	1.46	0.42	0.01	0.06	0.03	0.12
17: 107759	53.1	1.07	35.2	1.54	0.19	0.02	0.08	0.04	0.09
18: 107760	45.9	0.22	46.5	1.29	0.29	0.02	0.04	0.01	0.13
19: 107761	57.3	2.77	32.8	0.88	0.06	0.02	< 0.01	0.14	0.20
20: 107762	25.2	6.72	49.1	2.72	3.04	1.10	0.69	0.59	0.10
21: 107763	50.4	0.26	39.0	1.64	0.16	0.01	0.06	0.01	0.11
22: 107764	9.41	0.11	0.25	6.00	45.3	0.03	< 0.01	< 0.01	0.02
23: 107765	47.9	0.17	43.0	1.53	0.41	0.01	0.02	< 0.01	0.09
24: 107766	47.5	0.20	42.4	1.56	0.34	< 0.01	0.02	< 0.01	0.09
25: 107767	44.9	0.07	47.5	1.27	0.19	< 0.01	< 0.01	< 0.01	0.11
26: 107768	59.1	0.49	35.4	0.51	0.09	0.01	0.02	< 0.01	0.08
27: 107769	57.9	0.31	33.9	2.15	0.29	0.03	0.05	0.01	0.09
28: 107770	71.8	0.09	17.9	1.29	0.17	0.02	< 0.01	< 0.01	0.06
29: 107771	44.8	0.06	46.2	1.65	0.59	0.01	< 0.01	< 0.01	0.09
30: 107772	47.3	0.06	52.7	0.84	0.42	< 0.01	< 0.01	< 0.01	0.07
31: 107773	48.3	0.08	51.2	0.72	0.15	0.02	< 0.01	< 0.01	0.08
32: 107774	47.7	0.10	51.0	1.00	0.13	< 0.01	< 0.01	0.01	0.08
33: 107775	50.6	0.05	48.4	0.53	0.07	0.01	< 0.01	< 0.01	0.07
34: 107776	44.9	0.52	47.5	1.41	0.18	0.01	< 0.01	0.03	0.08

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic Fe %	Fe %	Fe3O4 %
14: 107756	0.03	0.02	< 0.01	3.16	100.5	0.07	< 0.05	24.0	33.1
15: 107757	0.03	0.02	< 0.01	3.79	100.0	0.09	0.06	26.2	36.2
16: 107758	0.03	0.02	< 0.01	4.51	99.4	0.50	0.39	24.2	33.4
17: 107759	0.08	0.02	< 0.01	8.58	100.0	1.89	1.38	10.6	14.6
18: 107760	0.04	0.02	< 0.01	6.01	100.4	0.50	0.38	22.4	31.0
19: 107761	0.03	0.02	< 0.01	5.31	99.6	0.65	0.47	4.6	6.3
20: 107762	0.10	0.04	0.03	8.63	98.0	17.6	16.6	7.8	10.8
21: 107763	0.09	0.02	< 0.01	7.57	99.4	1.62	1.47	15.1	20.8
22: 107764	0.02	0.01	< 0.01	37.9	99.0	0.01	< 0.05	< 0.1	0.1
23: 107765	0.07	0.02	< 0.01	6.60	99.8	2.23	2.18	19.0	26.3
24: 107766	0.06	0.02	< 0.01	7.22	99.4	3.16	3.00	17.2	23.8
25: 107767	0.05	0.03	< 0.01	6.20	100.3	0.63	0.63	22.1	30.5
26: 107768	0.01	0.03	< 0.01	2.96	98.7	2.37	2.30	18.7	25.8
27: 107769	0.14	0.01	< 0.01	5.51	100.5	1.98	1.98	13.1	18.1
28: 107770	0.14	0.03	< 0.01	8.34	99.8	0.77	0.61	1.3	1.8
29: 107771	0.06	0.02	< 0.01	6.42	99.9	0.31	0.29	22.7	31.4
30: 107772	< 0.01	0.02	< 0.01	-0.57	100.8	0.31	0.31	34.8	48.1
31: 107773	< 0.01	0.02	< 0.01	-0.75	99.8	0.10	0.09	33.3	46.0
32: 107774	0.02	0.02	< 0.01	-0.36	99.7	0.32	0.31	33.0	45.6
33: 107775	0.02	0.02	< 0.01	-0.15	99.5	0.18	0.17	31.1	42.9
34: 107776	0.07	0.02	< 0.01	5.22	99.9	0.19	0.19	24.5	33.8

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LR Report : CA03079-MAY12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
35: 107777	55.8	3.03	28.2	2.26	0.28	0.01	< 0.01	0.13	0.05
36: 107778	62.2	16.8	10.6	1.71	0.14	0.22	3.34	0.66	0.09
37-DUP: 107762	25.5	6.73	49.5	2.75	3.07	1.10	0.69	0.61	0.09

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic %	Fe %	Fe3O4 %
35: 107777	0.16	0.02	< 0.01	10.5	100.4	0.91	0.91	3.1	4.3
36: 107778	0.09	0.03	0.02	4.24	100.1	0.45	0.43	0.1	0.2
37-DUP: 107762	0.10	0.04	0.03	8.62	98.9	17.5	16.7	7.8	10.8

Control Quality Analysis - Not suitable for commercial exchange

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SGS Canada Inc.

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February 14, 2012

Date Rec. : 23 January 2012
LR Report : CA03230-JAN12
Client Ref : 105091 to 105169

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sam	50.3	12.8	7.35	11.7	12.6	1.45	0.23	0.32	0.02
2: 105091	55.0	0.69	26.8	2.25	0.21	0.02	0.02	0.04	0.03
3: 105092	46.3	0.70	32.8	2.83	0.35	< 0.01	0.02	0.04	0.04
4: 105093	38.8	0.22	43.4	2.17	0.48	0.02	0.01	< 0.01	0.07
5: 105094	60.5	4.04	22.7	1.82	0.16	0.01	0.98	0.21	0.06
6: 105095	82.0	2.19	11.0	0.77	0.05	< 0.01	0.43	0.10	0.02
7: 105096	41.8	0.13	35.7	2.78	0.67	< 0.01	0.04	< 0.01	0.09
8: 105097	46.0	0.11	32.8	3.07	0.32	< 0.01	< 0.01	< 0.01	0.02
9: 105098	40.3	2.33	35.7	2.52	0.18	< 0.01	0.19	0.11	0.02
10: 105099	52.4	0.02	29.4	2.48	0.35	0.01	< 0.01	< 0.01	0.08
11: 105100	41.5	0.17	42.8	1.83	0.35	< 0.01	< 0.01	< 0.01	0.07
12: 105101	42.8	0.19	42.0	1.83	0.35	0.04	0.02	0.03	0.08
13: 105102	42.6	0.05	47.6	1.33	0.37	< 0.01	< 0.01	0.01	0.10

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic %	Fe %	Fe3O4 %
1-BLK: Sud-Sam	0.15	0.10	0.02	2.47	99.6	0.03	<0.05	0.4	0.5
2: 105091	0.25	0.01	< 0.01	14.2	99.5	3.33	2.89	1.0	1.4
3: 105092	0.14	0.01	< 0.01	17.2	100.4	0.09	0.09	0.9	1.2
4: 105093	0.06	0.01	< 0.01	15.1	100.4	0.06	0.06	10.1	14.0
5: 105094	0.05	0.01	< 0.01	9.25	99.7	0.20	0.20	1.2	1.7
6: 105095	0.01	0.02	< 0.01	4.00	100.6	0.51	0.51	0.7	1.0
7: 105096	0.10	0.01	< 0.01	18.7	100.0	0.01	<0.05	1.0	1.4
8: 105097	0.14	< 0.01	< 0.01	18.1	100.6	0.01	<0.05	0.6	0.8
9: 105098	0.21	< 0.01	< 0.01	18.1	99.7	9.02	8.39	0.4	0.6
10: 105099	0.13	0.02	< 0.01	15.8	100.7	< 0.01	<0.05	0.4	0.6
11: 105100	0.04	0.03	< 0.01	13.2	100.1	0.05	< 0.05	10.5	14.5
12: 105101	0.04	< 0.01	< 0.01	12.8	100.2	0.27	0.27	12.7	17.5
13: 105102	0.03	< 0.01	< 0.01	8.30	100.4	0.33	0.33	21.9	30.2

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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
14: 105103	43.9	0.10	45.4	1.41	0.27	< 0.01	< 0.01	0.01	0.07
15: 105104	95.7	1.12	0.76	0.63	0.95	0.32	0.15	0.03	< 0.01
16: 105105	42.0	0.19	37.0	2.32	0.54	< 0.01	< 0.01	0.02	0.08
17: 105106	51.9	0.49	35.0	1.35	0.22	0.02	0.01	0.02	0.08
18: 105107	46.5	0.52	37.1	1.70	0.51	< 0.01	< 0.01	0.02	0.11
19: 105108	55.0	0.11	39.1	0.68	0.48	< 0.01	0.01	< 0.01	0.09
20: 105109	53.6	0.30	36.6	0.96	0.22	< 0.01	< 0.01	0.01	0.08
21: 105110	25.0	6.61	48.6	2.72	2.96	1.08	0.69	0.59	0.10
22: 105111	46.2	1.34	32.7	2.06	0.74	0.10	0.06	0.07	0.13
23: 105112	44.7	0.88	34.0	2.03	0.49	0.07	0.05	0.05	0.10
24: 105113	46.5	2.91	34.4	3.46	0.82	0.04	0.48	0.19	0.17
25: 105114	47.4	1.71	38.4	3.22	1.94	0.03	0.10	0.10	0.15
26: 105115	52.1	5.76	25.6	4.65	2.85	0.18	0.37	0.36	0.26
27: 105116	46.2	1.95	40.4	3.14	0.70	0.13	0.50	0.10	0.10
28: 105117	47.4	1.78	40.0	3.02	0.71	0.13	0.52	0.09	0.11
29: 105118	53.4	0.47	38.7	2.77	0.29	0.02	0.19	0.01	0.06
30: 105119	47.9	0.53	42.3	2.77	1.05	0.02	0.11	0.03	0.10
31: 105120	45.5	11.4	12.8	9.23	7.41	0.89	0.13	0.62	0.24
32: 105121	56.2	2.04	29.7	2.99	3.16	0.01	0.11	0.12	0.08
33: 105122	49.6	0.62	36.8	2.31	0.37	< 0.01	0.19	0.03	0.06
34: 105123	46.0	12.5	15.0	7.64	6.36	1.64	0.16	0.69	0.30

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic Fe %	Fe %	Fe3O4 %
14: 105103	0.04	0.02	< 0.01	9.08	100.3	0.12	0.12	19.7	27.2
15: 105104	< 0.01	0.02	< 0.01	0.98	100.6	< 0.01	< 0.05	0.7	1.0
16: 105105	0.06	0.01	< 0.01	18.0	100.2	0.06	0.06	0.9	1.2
17: 105106	0.04	0.01	< 0.01	11.2	100.4	0.05	< 0.05	0.5	0.7
18: 105107	0.12	< 0.01	< 0.01	13.1	99.7	0.55	0.54	7.7	10.6
19: 105108	0.07	0.02	< 0.01	4.69	100.2	0.11	0.10	19.2	26.5
20: 105109	0.09	< 0.01	< 0.01	8.15	100.0	0.10	0.10	11.8	16.3
21: 105110	0.09	0.03	0.03	8.97	97.5	18.5	16.4	8.3	11.5
22: 105111	0.16	< 0.01	< 0.01	16.0	99.6	0.37	0.36	0.7	1.0
23: 105112	0.14	< 0.01	< 0.01	17.3	99.8	0.90	0.88	0.7	1.0
24: 105113	0.11	0.02	< 0.01	10.4	99.5	0.51	0.41	8.9	12.3
25: 105114	0.07	< 0.01	< 0.01	6.36	99.5	0.16	0.16	17.7	24.5
26: 105115	0.16	0.02	0.02	6.14	98.5	0.60	0.59	6.8	9.4
27: 105116	0.12	< 0.01	< 0.01	5.78	99.1	0.56	0.55	14.6	20.2
28: 105117	0.12	< 0.01	< 0.01	5.53	99.4	0.40	0.40	14.8	20.5
29: 105118	0.11	< 0.01	< 0.01	4.44	100.4	0.62	0.61	15.4	21.2
30: 105119	0.14	< 0.01	< 0.01	4.10	99.0	0.90	0.83	19.6	27.0
31: 105120	0.16	0.07	0.04	10.8	99.3	0.01	< 0.05	0.5	0.7
32: 105121	0.11	0.02	< 0.01	4.54	99.1	0.44	0.44	13.0	18.0
33: 105122	0.10	< 0.01	< 0.01	7.86	98.0	7.30	6.52	11.5	15.9
34: 105123	0.13	0.06	0.04	9.17	99.6	0.03	< 0.05	1.2	1.7



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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
35: 105124	46.0	12.6	15.0	7.62	6.28	1.80	0.13	0.68	0.31
36: 105125	59.3	0.25	34.8	2.44	0.68	< 0.01	0.13	< 0.01	0.06
37: 105126	46.7	0.80	41.2	2.47	0.30	0.03	0.20	0.04	0.11
38: 105127	49.0	1.04	38.8	2.79	0.51	1.05	0.40	0.05	0.12
39: 105128	50.3	0.73	37.6	2.79	0.85	0.07	0.30	0.04	0.11
40: 105129	48.8	1.20	38.3	2.93	1.43	0.09	0.39	0.06	0.08
41: 105130	47.7	12.9	14.9	8.25	3.48	1.93	0.30	0.76	0.41
42: 105131	49.9	5.28	23.7	4.61	5.21	0.99	0.34	0.34	0.37
43: 105132	97.1	0.77	0.64	0.18	0.36	0.19	0.10	0.03	< 0.01
44: 105133	47.4	11.6	17.0	6.84	3.68	1.87	0.53	0.66	0.36
45: 105134	47.6	1.37	39.0	2.35	1.14	0.03	0.17	0.07	0.10
46: 105135	43.8	0.36	41.2	2.31	1.19	0.04	0.09	< 0.01	0.09
47: 105136	47.0	0.21	44.6	1.66	0.71	0.03	0.06	0.01	0.09
48: 105137	44.2	0.19	49.7	1.43	0.59	0.02	0.04	< 0.01	0.06
49: 105138	48.2	0.07	50.0	0.94	0.62	0.01	0.03	< 0.01	0.10
50-BLK: Sud-Sa	50.2	12.0	7.71	12.7	13.1	0.95	0.23	0.24	0.01
51: 105139	47.1	0.77	48.3	1.60	0.96	0.18	0.08	0.09	0.12
52: 105140	45.0	0.72	50.2	1.86	0.82	0.16	0.04	0.05	0.11
53: 105141	8.15	0.97	87.2	0.02	0.03	0.03	0.03	0.05	0.12
54: 105142	47.9	0.40	45.7	2.45	0.83	0.02	0.12	0.11	0.09
55: 105143	48.4	0.12	46.4	1.58	0.68	0.02	0.05	0.01	0.08

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic Fe %	Fe %	Fe3O4 %
35: 105124	0.14	0.05	0.05	9.25	99.9	0.03	<0.05	1.4	2.0
36: 105125	0.06	< 0.01	< 0.01	2.06	99.8	0.80	0.75	15.9	22.0
37: 105126	0.10	< 0.01	< 0.01	7.17	99.2	5.49	4.86	14.1	19.5
38: 105127	0.11	< 0.01	< 0.01	7.21	101.0	0.74	0.69	14.5	20.0
39: 105128	0.08	< 0.01	< 0.01	7.24	100.1	0.45	0.46	15.1	20.8
40: 105129	0.10	< 0.01	< 0.01	6.27	99.7	0.24	0.24	16.9	23.3
41: 105130	0.10	0.06	0.03	8.48	99.4	0.01	<0.05	0.5	0.7
42: 105131	0.11	0.03	< 0.01	8.44	99.3	0.37	0.36	7.9	10.9
43: 105132	< 0.01	0.02	< 0.01	0.41	99.8	< 0.01	<0.05	0.6	0.8
44: 105133	0.11	0.04	0.03	7.61	97.7	1.58	1.46	0.6	0.8
45: 105134	0.11	0.01	< 0.01	7.62	99.5	1.14	1.09	15.6	21.5
46: 105135	0.06	< 0.01	< 0.01	10.4	99.7	0.21	0.20	15.6	21.5
47: 105136	0.05	0.01	< 0.01	5.68	100.1	0.18	0.18	24.3	33.6
48: 105137	0.02	< 0.01	< 0.01	3.88	100.1	0.08	0.07	29.9	41.3
49: 105138	0.02	< 0.01	< 0.01	0.12	100.2	0.06	0.07	34.5	47.6
50-BLK: Sud-Sa	0.16	0.11	0.04	2.46	100.0	0.04	<0.05	0.4	0.6
51: 105139	0.03	0.01	< 0.01	2.01	101.3	0.06	0.05	31.4	43.4
52: 105140	0.03	< 0.01	< 0.01	0.78	99.8	0.05	< 0.05	32.8	45.3
53: 105141	1.01	< 0.01	0.01	2.98	100.6	< 0.01	<0.05	2.5	3.5
54: 105142	0.05	< 0.01	< 0.01	2.03	99.7	0.15	0.14	26.1	36.0
55: 105143	0.04	< 0.01	< 0.01	2.36	99.7	0.12	0.10	28.7	39.7



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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
56: 105144	46.8	0.08	49.7	1.20	0.51	< 0.01	0.04	< 0.01	0.12
57: 105145	48.0	0.09	47.1	1.94	0.48	0.01	0.06	< 0.01	0.08
58: 105146	46.9	0.04	51.5	1.36	0.35	< 0.01	0.02	< 0.01	0.08
59: 105147	45.9	2.41	44.0	2.65	1.89	0.62	0.63	0.17	0.20
60: 105148	44.1	4.16	39.0	3.79	3.00	1.06	0.69	0.26	0.23
61: 105149	47.7	0.19	50.2	1.53	0.68	0.01	0.07	< 0.01	0.09
62: 105150	50.2	5.25	36.1	2.41	1.99	1.12	0.91	0.24	0.16
63: 105151	54.4	0.82	34.9	2.64	0.42	0.07	0.20	0.03	0.06
64: 105152	62.2	4.10	22.4	2.76	1.12	0.22	0.30	0.22	0.16
65: 105153	57.6	1.53	30.2	3.15	2.01	0.02	0.36	0.08	0.10
66: 105154	54.5	5.50	25.2	3.89	1.98	0.44	0.57	0.28	0.21
67: 105155	45.3	0.21	51.9	1.33	0.69	0.03	0.10	< 0.01	0.08
68: 105156	25.2	6.62	49.0	2.61	3.00	1.07	0.70	0.60	0.10
69: 105157	47.1	1.55	47.1	1.63	1.07	0.57	0.28	0.07	0.13
70: 105158	48.3	2.43	44.4	1.72	1.25	0.86	0.30	0.12	0.13
71: 105159	48.3	1.42	47.1	1.45	0.73	0.47	0.14	0.05	0.10
72: 105160	48.7	0.15	47.9	1.54	0.58	0.02	0.04	< 0.01	0.08
73: 105161	46.8	0.08	52.2	1.19	0.43	< 0.01	0.02	< 0.01	0.10
74: 105162	53.5	0.15	42.1	1.54	0.52	0.02	0.05	0.02	0.08
75: 105163	48.0	0.76	39.8	1.74	1.16	0.04	0.12	0.03	0.09
76: 105164	46.0	0.78	39.9	2.07	0.49	0.07	0.20	0.04	0.09

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic Fe %	Fe %	Fe3O4 %
56: 105144	0.03	< 0.01	< 0.01	1.01	99.5	0.62	0.60	31.5	43.5
57: 105145	0.04	< 0.01	< 0.01	1.74	99.5	1.53	1.42	25.8	35.6
58: 105146	0.02	< 0.01	< 0.01	-0.07	100.2	0.31	0.16	33.6	46.4
59: 105147	0.04	0.02	< 0.01	1.17	99.7	0.13	0.13	28.7	39.7
60: 105148	0.06	0.02	< 0.01	3.43	99.9	0.10	0.10	24.1	33.3
61: 105149	0.02	0.01	< 0.01	-0.46	100.0	0.01	<0.05	32.1	44.3
62: 105150	0.04	< 0.01	< 0.01	0.84	99.2	0.12	0.10	21.0	29.0
63: 105151	0.23	< 0.01	< 0.01	4.98	98.8	3.64	3.14	12.7	17.6
64: 105152	0.16	0.02	0.02	4.98	98.7	4.32	3.77	3.7	5.1
65: 105153	0.21	< 0.01	< 0.01	4.14	99.4	0.20	0.18	13.8	19.1
66: 105154	0.11	0.02	0.01	5.02	97.7	2.88	2.65	8.3	11.5
67: 105155	0.02	< 0.01	< 0.01	-0.16	99.5	0.02	<0.05	34.0	46.9
68: 105156	0.10	0.03	0.04	8.96	98.0	18.6	16.5	8.2	11.4
69: 105157	0.03	0.02	< 0.01	-0.34	99.3	0.07	0.06	31.3	43.2
70: 105158	0.03	0.02	< 0.01	0.77	100.4	0.03	<0.05	30.8	42.5
71: 105159	0.02	< 0.01	< 0.01	-0.16	99.6	0.31	0.30	31.5	43.5
72: 105160	0.02	0.01	< 0.01	1.04	100.1	0.24	0.23	31.6	43.6
73: 105161	0.02	0.01	< 0.01	-0.31	100.6	0.04	<0.05	36.8	50.9
74: 105162	0.03	0.02	< 0.01	2.54	100.6	0.02	<0.05	26.6	36.7
75: 105163	0.05	0.01	< 0.01	8.15	99.9	0.42	0.40	15.7	21.7
76: 105164	0.07	< 0.01	< 0.01	9.37	99.1	2.21	2.14	14.3	19.8

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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
77: 105165	51.9	0.59	38.2	2.50	0.73	0.07	0.23	0.03	0.08
78: 105166	97.9	0.76	0.73	0.19	0.38	0.20	0.11	0.02	< 0.01
79: 105167	51.6	0.18	42.1	2.14	0.71	< 0.01	0.09	0.01	0.10
80: 105168	48.3	0.08	47.3	1.90	0.68	< 0.01	0.05	< 0.01	0.15
81: 105169	48.8	0.13	45.9	1.96	0.73	0.02	0.07	< 0.01	0.13
82-DUP: 105109	53.4	0.29	36.5	0.96	0.23	< 0.01	< 0.01	< 0.01	0.08
83-DUP: 105129	49.1	1.22	38.3	2.96	1.42	0.09	0.40	0.07	0.08
84-DUP: 105148	44.1	4.17	39.0	3.77	2.99	1.06	0.69	0.26	0.23
85-DUP: 105168	48.1	0.07	47.3	1.90	0.68	< 0.01	0.06	< 0.01	0.15
86-REP: 105139	47.2	0.82	48.1	1.66	0.97	0.20	0.08	0.11	0.13

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= Magnetic Fe %	Fe %	Fe3O4 %
77: 105165	0.09	< 0.01	< 0.01	6.01	100.4	0.18	0.18	14.3	19.8
78: 105166	< 0.01	0.03	< 0.01	0.64	101.0	< 0.01	< 0.05	0.8	1.1
79: 105167	0.05	< 0.01	< 0.01	3.26	100.3	0.28	0.28	21.2	29.3
80: 105168	0.04	< 0.01	< 0.01	1.81	100.3	0.05	< 0.05	27.2	37.5
81: 105169	0.03	< 0.01	< 0.01	2.91	100.7	0.02	< 0.05	25.6	35.3
82-DUP: 105109	0.09	< 0.01	< 0.01	8.19	99.8	0.09	0.08	11.5	15.9
83-DUP: 105129	0.10	< 0.01	< 0.01	6.36	100.1	0.25	0.24	16.9	23.3
84-DUP: 105148	0.05	0.02	< 0.01	3.34	99.7	0.10	0.10	24.1	33.3
85-DUP: 105168	0.04	< 0.01	< 0.01	1.81	100.1	0.05	< 0.05	27.1	37.4
86-REP: 105139	0.02	0.02	< 0.01	2.01	101.3	0.06	0.06	31.1	43.0

Control Quality Analysis - Not suitable for commercial exchange



April Rice
Project Coordinator

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April 13, 2012

Date Rec. : 30 March 2012

LR Report : CA03302-MAR12

Client Ref : 105451 to 105500, 107501 to 107521

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample P	54.4	12.6	6.54	10.9	11.8	1.52	0.39	0.26	0.02
2: 105451	49.3	0.20	46.2	1.42	0.75	0.04	0.10	0.01	0.13
3: 105452	42.0	0.05	55.1	1.34	0.79	< 0.01	0.03	< 0.01	0.10
4: 105453	47.6	0.05	49.7	1.23	0.70	0.01	0.03	< 0.01	0.12
5: 105454	44.0	0.03	54.5	1.11	0.54	0.01	0.02	< 0.01	0.10
6: 105455	43.5	0.19	53.5	1.29	0.81	0.03	0.09	0.01	0.13
7: 105456	52.4	9.22	19.6	4.66	4.41	2.15	0.26	0.45	0.39
8: 105457	54.3	0.42	38.3	1.97	1.16	0.04	0.10	0.01	0.10
9: 105458	54.9	0.40	38.6	1.71	0.51	0.05	0.16	0.01	0.06
10: 105459	47.8	0.14	50.2	1.44	0.55	0.02	0.06	< 0.01	0.12
11: 105460	47.0	0.20	49.8	1.59	0.82	0.02	0.09	< 0.01	0.13
12: 105461	56.8	0.32	35.1	2.25	0.70	0.05	0.16	0.02	0.06
13: 105462	8.05	0.97	87.2	0.02	0.04	0.02	0.03	0.04	0.12
14: 105463	50.4	0.08	46.3	1.74	0.60	0.01	0.05	< 0.01	0.11

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample P	0.13	0.13	0.03	2.43	101.2	0.03	<0.05	0.5	0.7
2: 105451	0.05	< 0.01	< 0.01	2.00	100.2	0.37	0.34	25.8	35.6
3: 105452	0.04	< 0.01	< 0.01	0.95	100.4	0.01	<0.05	32.4	44.7
4: 105453	0.03	0.01	< 0.01	0.50	100.0	0.01	<0.05	30.0	41.4
5: 105454	0.04	< 0.01	< 0.01	0.33	100.7	0.03	<0.05	34.0	46.9
6: 105455	0.04	< 0.01	< 0.01	1.95	101.5	0.05	0.05	33.9	46.8
7: 105456	0.07	0.02	0.02	7.22	100.8	0.32	0.30	7.2	10.0
8: 105457	0.09	0.02	< 0.01	4.09	100.6	0.74	0.69	19.1	26.4
9: 105458	0.11	0.01	< 0.01	3.24	99.7	1.85	1.74	17.7	24.5
10: 105459	0.07	< 0.01	< 0.01	0.70	101.2	0.02	<0.05	30.4	42.0
11: 105460	0.05	< 0.01	< 0.01	0.71	100.5	0.03	<0.05	29.0	40.0
12: 105461	0.11	< 0.01	< 0.01	3.89	99.5	1.44	1.37	13.8	19.1
13: 105462	1.00	< 0.01	0.01	3.13	100.6	0.01	<0.05	2.2	3.0
14: 105463	0.06	< 0.01	< 0.01	0.91	100.2	0.16	0.15	25.0	34.5

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LR Report : CA03302-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
15: 105464	8.58	0.35	0.44	5.09	47.8	0.08	0.07	0.03	0.02
16: 105465	46.1	0.03	51.6	1.32	0.59	< 0.01	0.02	< 0.01	0.14
17: 105466	49.9	0.02	48.0	1.32	0.65	< 0.01	0.02	< 0.01	0.14
18: 105467	52.3	0.07	42.2	2.19	0.93	0.02	0.04	< 0.01	0.13
19: 105468	50.7	0.05	46.0	1.63	0.63	< 0.01	0.03	< 0.01	0.14
20: 105469	48.1	0.03	49.3	1.54	0.70	0.01	0.02	< 0.01	0.15
21: 105470	50.1	0.04	43.4	2.46	0.92	< 0.01	0.03	< 0.01	0.09
22: 105471	49.7	0.23	42.9	2.53	0.87	0.02	0.09	< 0.01	0.06
23: 105472	56.6	0.87	34.3	2.45	0.76	0.03	0.06	0.03	0.08
24: 105473	61.3	0.13	32.1	2.67	0.71	0.01	0.04	< 0.01	0.06
25: 105474	46.0	0.10	48.6	2.71	1.32	< 0.01	0.06	< 0.01	0.13
26: 105475	51.7	0.32	43.4	1.82	0.85	0.03	0.15	0.02	0.14
27: 105476	51.5	0.07	44.9	1.27	0.65	< 0.01	0.03	< 0.01	0.13
28: 105477	44.3	0.11	49.4	1.58	0.73	0.01	0.05	< 0.01	0.12
29: 105478	46.9	0.05	48.0	1.59	0.84	< 0.01	0.03	< 0.01	0.15
30: 105479	49.0	0.02	44.1	1.77	0.86	< 0.01	0.02	< 0.01	0.15
31: 105480	50.9	0.13	36.7	2.28	1.34	0.02	0.05	< 0.01	0.10
32: 105481	46.3	11.8	8.99	5.63	10.9	1.75	0.91	0.55	0.11
33: 105482	52.3	0.50	39.8	1.76	1.35	0.01	0.11	0.02	0.14
34: 105483	48.0	2.06	38.3	2.33	1.87	0.07	0.41	0.10	0.18
35: 105484	50.5	0.58	40.1	2.08	1.34	0.03	0.10	0.03	0.16
36: 105485	45.1	0.94	42.4	2.29	1.67	0.05	0.18	0.05	0.19
37: 105486	46.0	0.38	43.1	2.17	1.60	0.03	0.15	0.01	0.16
38: 105487	47.8	0.26	41.2	2.34	1.53	0.02	0.13	< 0.01	0.15

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
15: 105464	0.02	0.01	< 0.01	38.2	100.8	< 0.01	< 0.05	< 0.1	< 0.1
16: 105465	0.03	< 0.01	< 0.01	0.04	100.0	0.03	< 0.05	30.7	42.4
17: 105466	0.03	< 0.01	< 0.01	0.05	100.1	0.03	< 0.05	28.2	39.0
18: 105467	0.06	< 0.01	< 0.01	2.32	100.2	0.04	< 0.05	21.4	29.5
19: 105468	0.04	< 0.01	< 0.01	1.39	100.7	0.06	0.07	26.1	36.0
20: 105469	0.04	< 0.01	< 0.01	0.62	100.5	0.09	0.09	29.1	40.2
21: 105470	0.11	0.01	< 0.01	2.33	99.5	0.30	0.26	21.7	30.0
22: 105471	0.09	< 0.01	< 0.01	4.13	100.7	5.30	5.00	16.1	22.2
23: 105472	0.11	0.02	< 0.01	4.17	99.5	5.00	4.67	10.1	13.9
24: 105473	0.10	< 0.01	< 0.01	2.87	100.0	0.28	0.26	11.6	16.0
25: 105474	0.06	< 0.01	< 0.01	1.79	100.8	0.02	< 0.05	23.9	33.0
26: 105475	0.03	< 0.01	< 0.01	1.15	99.7	0.01	< 0.05	22.8	31.5
27: 105476	0.04	0.01	< 0.01	1.36	100.0	0.02	< 0.05	26.4	36.5
28: 105477	0.04	< 0.01	< 0.01	3.23	99.6	0.01	< 0.05	27.4	37.9
29: 105478	0.05	< 0.01	< 0.01	3.08	100.7	0.04	< 0.05	26.1	36.1
30: 105479	0.05	< 0.01	< 0.01	3.87	99.8	0.08	0.08	22.0	30.4
31: 105480	0.10	0.01	< 0.01	8.15	99.7	0.23	0.21	13.9	19.2
32: 105481	0.12	0.06	0.03	13.4	100.5	0.01	< 0.05	0.3	0.4
33: 105482	0.04	0.01	< 0.01	2.71	98.7	0.17	0.16	19.9	27.5
34: 105483	0.06	0.01	< 0.01	5.82	99.2	0.16	0.16	17.1	23.6
35: 105484	0.03	< 0.01	< 0.01	3.93	98.9	0.16	0.15	19.3	26.6
36: 105485	0.04	0.01	< 0.01	6.24	99.1	0.25	0.22	20.0	27.7
37: 105486	0.04	0.01	< 0.01	6.30	100.0	0.25	0.24	19.8	27.4
38: 105487	0.05	< 0.01	< 0.01	5.93	99.4	0.52	0.50	16.4	22.7

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LR Report : CA03302-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
39: 105488	43.3	0.70	42.2	1.95	1.25	0.03	0.16	0.03	0.13
40: 105489	45.3	4.60	32.2	3.09	1.20	0.15	0.11	0.21	0.14
41: 105490	49.4	6.02	30.0	4.67	3.16	0.53	0.34	0.35	0.27
42: 105491	53.3	2.02	32.4	2.38	1.32	0.13	0.41	0.07	0.12
43: 105492	8.12	0.95	87.6	< 0.01	0.03	0.02	0.02	0.06	0.12
44: 105493	49.2	1.80	36.4	2.63	1.26	0.18	0.54	0.06	0.18
45: 105494	8.91	0.12	0.26	5.33	47.9	0.04	0.01	< 0.01	0.02
46: 105495	56.5	0.41	33.4	2.22	1.22	0.04	0.18	0.02	0.09
47: 105496	56.8	0.41	33.1	2.25	1.16	0.05	0.18	0.02	0.08
48: 105497	57.8	0.66	31.1	2.09	1.20	0.04	0.28	0.02	0.14
49: 105498	55.7	0.89	29.3	2.17	1.08	0.08	0.31	0.03	0.16
50-BLK: Sud-Sample	49.8	12.9	7.14	12.1	13.2	1.04	0.34	0.22	0.01
51: 105499	48.9	1.50	31.9	2.42	1.31	0.07	0.29	0.05	0.19
52: 105500	51.3	2.61	29.1	2.27	1.43	0.03	0.09	0.09	0.12
53: 107501	57.8	4.09	20.6	2.14	2.88	0.03	0.76	0.16	0.11
54: 107502	56.0	1.46	27.5	1.93	1.93	0.05	0.19	0.06	0.08
55: 107503	59.2	3.72	20.8	2.11	3.02	0.04	0.45	0.13	0.06
56: 107504	65.5	2.75	19.4	1.30	1.23	0.04	0.55	0.09	0.05
57: 107505	45.9	0.77	36.2	2.79	1.72	0.09	0.24	0.03	0.17
58: 107506	51.1	2.13	34.4	2.58	1.33	0.15	0.39	0.08	0.16
59: 107507	43.4	3.19	37.2	3.06	1.29	0.09	0.16	0.12	0.15
60: 107508	54.5	7.75	15.8	4.25	4.29	0.05	1.23	0.46	0.19
61: 107509	46.8	8.73	18.8	7.47	5.46	0.03	0.64	0.64	0.27
62: 107510	51.3	1.72	31.1	3.07	3.03	0.07	0.21	0.10	0.19

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
39: 105488	0.07	0.01	< 0.01	8.99	98.8	0.43	0.41	16.0	22.1
40: 105489	0.11	0.02	0.01	12.1	99.1	3.46	3.19	2.5	3.5
41: 105490	0.13	0.03	0.02	6.40	101.4	3.47	3.12	6.2	8.6
42: 105491	0.10	0.01	< 0.01	7.19	99.5	2.25	2.07	7.7	10.6
43: 105492	0.99	< 0.01	< 0.01	3.20	101.1	0.01	<0.05	2.4	3.3
44: 105493	0.08	0.02	< 0.01	8.16	100.5	0.53	0.51	10.0	13.8
45: 105494	0.02	< 0.01	< 0.01	38.2	100.8	< 0.01	<0.05	0.3	0.4
46: 105495	0.05	< 0.01	< 0.01	4.87	99.0	0.42	0.39	13.0	17.9
47: 105496	0.06	< 0.01	< 0.01	5.06	99.2	0.43	0.40	12.4	17.1
48: 105497	0.06	< 0.01	< 0.01	5.38	98.8	0.54	0.49	11.0	15.2
49: 105498	0.06	0.01	< 0.01	9.74	99.5	0.44	0.41	5.5	7.6
50-BLK: Sud-Sample	0.14	0.16	0.03	2.89	99.9	0.03	<0.05	0.4	0.5
51: 105499	0.06	0.02	< 0.01	12.8	99.5	0.39	0.34	2.7	3.7
52: 105500	0.09	0.01	< 0.01	11.8	98.9	0.75	0.71	1.0	1.4
53: 107501	0.30	0.01	< 0.01	8.64	97.5	1.04	0.99	1.4	1.9
54: 107502	0.36	< 0.01	< 0.01	8.78	98.3	2.12	1.95	4.1	5.7
55: 107503	0.38	0.01	< 0.01	7.52	97.4	2.85	2.49	1.4	1.9
56: 107504	0.21	0.02	< 0.01	8.13	99.3	4.25	4.07	1.2	1.7
57: 107505	0.07	< 0.01	< 0.01	9.40	97.4	0.34	0.33	12.7	17.5
58: 107506	0.08	< 0.01	< 0.01	6.87	99.3	1.05	0.99	10.8	14.9
59: 107507	0.11	0.01	< 0.01	10.5	99.2	1.79	1.70	7.8	10.8
60: 107508	0.13	0.03	0.02	6.65	95.4	2.93	2.78	1.1	1.5
61: 107509	0.13	0.06	0.04	11.5	100.6	0.11	0.11	2.5	3.5
62: 107510	0.09	0.02	< 0.01	8.13	99.0	0.70	0.67	10.3	14.2

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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
63: 107511	33.5	6.42	20.2	8.75	10.8	0.03	0.03	0.42	0.22
64: 107512	51.0	6.24	20.9	6.07	4.23	0.03	0.12	0.44	0.22
65: 107513	44.8	11.0	15.4	10.1	5.25	0.07	0.62	0.77	0.29
66: 107514	57.5	2.76	24.3	2.03	2.45	0.09	0.22	0.09	0.11
67: 107515	55.9	0.92	32.0	1.59	1.50	0.07	0.24	0.03	0.18
68: 107516	60.9	0.27	30.9	1.11	1.01	0.04	0.09	< 0.01	0.18
69: 107517	49.6	0.63	38.3	1.71	1.75	0.08	0.20	0.03	0.20
70: 107518	55.8	2.89	28.8	1.93	0.63	0.16	0.14	0.10	0.16
71: 107519	53.2	4.17	30.6	2.53	1.13	0.11	0.16	0.17	0.14
72: 107520	56.0	3.88	27.3	2.48	2.13	0.47	0.37	0.16	0.19
73: 107521	61.1	1.04	28.4	2.51	0.63	0.09	0.29	0.04	0.08
74-DUP: 105469	47.4	0.04	48.4	1.53	0.68	< 0.01	0.02	< 0.01	0.14
75-DUP: 105489	45.2	4.56	32.2	3.10	1.19	0.15	0.11	0.21	0.14
76-DUP: 107508	54.4	7.76	15.8	4.25	4.30	0.05	1.23	0.47	0.19
77-REP: 105499	48.4	1.48	32.1	2.41	1.33	0.07	0.29	0.05	0.20

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
63: 107511	0.18	0.04	0.03	14.3	94.9	2.92	2.57	0.5	0.7
64: 107512	0.13	0.05	0.03	8.60	98.1	0.47	0.44	3.6	5.0
65: 107513	0.13	0.08	0.05	11.1	99.7	0.04	<0.05	0.9	1.2
66: 107514	0.09	0.02	< 0.01	9.00	98.7	1.09	1.02	0.9	1.3
67: 107515	0.03	0.01	< 0.01	8.63	101.1	0.18	0.16	9.3	12.8
68: 107516	0.02	0.01	< 0.01	6.14	100.6	0.16	0.16	12.6	17.4
69: 107517	0.03	< 0.01	< 0.01	7.21	99.7	0.45	0.42	15.4	21.2
70: 107518	0.12	0.01	< 0.01	8.27	99.0	3.98	3.64	3.0	4.1
71: 107519	0.11	< 0.01	< 0.01	7.49	99.8	3.36	3.13	5.0	6.9
72: 107520	0.10	< 0.01	< 0.01	6.29	99.4	0.90	0.84	9.0	12.5
73: 107521	0.13	< 0.01	< 0.01	5.83	100.1	1.52	1.43	6.7	9.3
74-DUP: 105469	0.04	0.01	< 0.01	0.68	99.0	0.09	0.09	29.1	40.2
75-DUP: 105489	0.11	0.02	0.01	12.0	99.0	3.54	<0.05	2.5	3.5
76-DUP: 107508	0.13	0.03	0.02	6.62	95.3	2.94	2.74	1.0	1.4
77-REP: 105499	0.06	< 0.01	< 0.01	13.5	100.0	0.37	0.35	2.6	3.6

Control quality analysis - Not suitable for commercial exchange



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March 21, 2012

Date Rec. : 27 February 2012
LR Report : CA03763-FEB12
Client Ref : 105297 to 105377

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample Prep BLK	51.0	13.8	7.20	10.5	10.5	2.17	0.50	0.94	0.02
2: 105297	51.4	0.18	38.0	3.10	0.72	< 0.01	0.10	< 0.01	0.06
3: 105298	44.6	0.19	47.3	3.14	1.49	< 0.01	0.13	< 0.01	0.11
4: 105299	46.0	0.12	49.7	2.21	0.71	< 0.01	0.07	< 0.01	0.09
5: 105300	47.4	0.06	46.2	1.82	0.84	< 0.01	0.04	< 0.01	0.08
6: 105301	48.8	0.02	47.1	1.27	0.52	< 0.01	0.02	< 0.01	0.10
7: 105302	48.3	0.67	36.7	2.19	1.46	0.02	0.09	0.04	0.09
8: 105303	42.8	0.15	48.2	2.17	1.28	< 0.01	0.08	0.01	0.13
9: 105304	45.2	0.17	47.9	1.91	1.25	< 0.01	0.10	< 0.01	0.13
10: 105305	48.9	0.22	42.4	2.29	0.90	0.03	0.11	< 0.01	0.13
11: 105306	45.0	0.90	40.4	2.60	1.65	0.08	0.20	0.02	0.10
12: 105307	46.9	2.97	38.8	3.92	2.15	0.20	0.09	0.22	0.35
13: 105308	51.3	0.44	38.0	2.83	0.94	0.01	0.09	0.02	0.08
14: 105309	49.6	6.19	26.7	3.60	3.22	0.93	0.80	0.28	0.31
15: 105310	54.7	2.84	29.1	3.10	1.65	0.38	0.20	0.17	0.17

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample Prep BLK	0.13	0.12	0.05	3.00	100.0	0.05	<0.05	0.6	0.8
2: 105297	0.08	0.01	< 0.01	5.57	99.3	0.15	0.13	13.7	18.9
3: 105298	0.06	< 0.01	< 0.01	2.84	99.9	0.04	<0.05	23.1	31.9
4: 105299	0.02	< 0.01	< 0.01	0.68	99.6	0.06	0.05	28.1	38.8
5: 105300	0.03	< 0.01	< 0.01	3.25	99.7	0.04	<0.05	26.4	36.5
6: 105301	0.02	< 0.01	< 0.01	1.65	99.5	0.05	0.05	28.2	38.9
7: 105302	0.06	< 0.01	< 0.01	8.09	97.7	0.78	0.74	14.0	19.4
8: 105303	0.04	< 0.01	< 0.01	4.68	99.5	0.23	0.23	23.9	33.0
9: 105304	0.06	< 0.01	< 0.01	2.64	99.4	0.22	0.22	25.3	35.0
10: 105305	0.08	< 0.01	< 0.01	4.20	99.2	1.22	1.15	19.5	26.9
11: 105306	0.10	< 0.01	< 0.01	7.11	98.2	2.01	1.95	16.1	22.2
12: 105307	0.09	< 0.01	< 0.01	5.00	100.7	0.71	0.71	15.0	20.7
13: 105308	0.15	< 0.01	< 0.01	4.99	98.8	2.52	2.27	14.8	20.4
14: 105309	0.11	< 0.01	< 0.01	7.61	99.3	0.07	0.07	9.7	13.4
15: 105310	0.14	0.01	< 0.01	5.58	98.0	3.32	3.04	9.7	13.4

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SGS Canada Inc.

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Lakefield - Ontario - KOL 2HO

Phone: 705-652-2000 FAX: 705-652-6365

LR Report : CA03763-FEB12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 105311	51.3	5.19	33.3	2.29	1.97	1.06	0.81	0.24	0.19
17: 105312	25.1	6.63	48.4	2.76	3.07	1.14	0.71	0.61	0.10
18: 105313	46.2	0.21	44.9	1.65	0.56	0.02	0.10	< 0.01	0.09
19: 105314	8.44	0.12	0.28	6.37	45.5	0.04	0.01	0.01	0.02
20: 105315	47.1	0.52	46.0	1.55	0.57	0.02	0.11	0.03	0.08
21: 105316	47.1	0.43	45.5	1.47	0.53	0.02	0.11	0.02	0.07
22: 105317	51.8	2.01	38.8	2.35	1.39	0.49	0.13	0.12	0.16
23: 105318	46.8	0.25	48.7	1.75	0.68	< 0.01	0.06	0.06	0.09
24: 105319	52.4	0.20	42.0	1.91	0.68	< 0.01	0.07	0.01	0.09
25: 105320	52.2	3.48	31.4	4.10	2.49	0.02	0.10	0.24	0.21
26: 105321	56.1	0.31	32.6	1.62	1.40	0.02	0.14	0.01	0.17
27: 105322	52.0	1.63	32.8	2.20	1.00	0.06	0.19	0.06	0.14
28: 105323	61.6	0.97	26.7	1.99	0.94	0.05	0.28	0.04	0.14
29: 105324	55.8	0.73	31.3	2.24	1.15	0.04	0.24	0.03	0.14
30: 105325	29.6	9.19	45.6	2.65	0.74	0.27	0.42	0.35	0.14
31: 105326	55.0	3.06	28.3	1.85	0.83	0.12	0.45	0.11	0.13
32: 105327	49.2	3.59	33.1	2.19	0.93	0.14	0.27	0.12	0.16
33: 105328	53.5	0.41	28.8	2.03	1.06	0.02	0.16	0.01	0.21
34: 105329	56.5	3.37	25.3	3.47	2.08	0.02	0.16	0.27	0.26
35: 105330	53.7	5.90	23.4	5.50	2.25	0.02	0.26	0.41	0.23
36: 105331	64.0	2.48	23.8	2.22	1.69	0.02	0.56	0.11	0.16
37: 105332	50.3	5.25	22.4	5.99	4.42	0.12	0.56	0.31	0.19
38: 105333	58.0	3.67	27.1	3.47	2.02	0.07	0.49	0.19	0.22
39: 105334	51.0	7.05	20.9	6.01	4.43	0.06	0.73	0.41	0.23

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 105311	0.05	< 0.01	0.01	3.05	99.4	< 0.01	<0.05	17.5	24.2
17: 105312	0.10	0.03	0.04	9.32	98.0	17.8	16.5	8.0	11.0
18: 105313	0.03	< 0.01	< 0.01	5.57	99.3	0.10	0.10	21.8	30.1
19: 105314	0.02	< 0.01	< 0.01	38.0	98.8	< 0.01	<0.05	0.5	0.7
20: 105315	0.04	< 0.01	< 0.01	3.42	99.4	0.24	0.23	25.0	34.5
21: 105316	0.03	< 0.01	< 0.01	3.37	98.7	0.30	0.30	25.2	34.8
22: 105317	0.04	< 0.01	0.01	1.39	98.8	0.11	0.10	21.6	29.9
23: 105318	0.03	< 0.01	< 0.01	0.88	99.3	0.11	0.11	28.3	39.1
24: 105319	0.03	< 0.01	< 0.01	2.00	99.4	0.14	0.14	22.2	30.6
25: 105320	0.06	0.02	< 0.01	5.12	99.4	0.09	0.07	11.8	16.3
26: 105321	0.04	< 0.01	< 0.01	6.49	99.0	0.18	0.17	14.1	19.5
27: 105322	0.07	< 0.01	< 0.01	9.31	99.5	1.31	1.21	7.9	10.9
28: 105323	0.06	< 0.01	< 0.01	7.16	99.9	0.66	0.58	7.4	10.2
29: 105324	0.08	< 0.01	< 0.01	6.38	98.1	0.94	0.86	10.2	14.1
30: 105325	0.14	< 0.01	0.01	9.17	98.3	12.8	12.1	4.1	5.7
31: 105326	0.15	< 0.01	< 0.01	9.09	99.1	5.01	4.51	3.7	5.1
32: 105327	0.15	< 0.01	0.01	8.51	98.3	4.86	4.44	5.3	7.3
33: 105328	0.06	< 0.01	< 0.01	12.8	99.1	0.35	0.33	3.2	4.4
34: 105329	0.07	0.03	0.01	7.75	99.3	0.18	0.16	6.0	8.3
35: 105330	0.09	0.09	0.03	7.64	99.5	0.22	0.22	4.7	6.5
36: 105331	0.05	0.02	< 0.01	3.44	98.5	0.57	0.51	9.9	13.7
37: 105332	0.11	0.05	0.02	8.05	97.8	0.55	0.50	7.2	9.9
38: 105333	0.07	0.01	0.01	4.63	100.0	0.28	0.27	10.6	14.7
39: 105334	0.15	0.04	0.03	7.42	98.5	0.47	0.45	5.3	7.3

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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
40: 105335	50.2	1.20	37.1	2.92	2.67	0.11	0.48	0.04	0.22
41: 105336	50.2	6.16	23.2	5.87	4.91	0.03	0.31	0.36	0.19
42: 105337	56.0	2.40	31.4	2.67	1.64	0.07	0.30	0.12	0.19
43: 105338	50.4	6.71	27.5	3.63	2.15	0.11	0.30	0.34	0.18
44: 105339	47.0	3.54	27.9	3.71	3.84	0.02	0.35	0.21	0.18
45: 105340	55.6	4.40	21.8	1.91	1.95	0.04	0.87	0.22	0.12
46: 105341	68.2	4.18	16.6	1.52	1.88	0.02	0.28	0.15	0.06
47: 105342	8.02	0.97	86.9	0.03	0.04	0.02	0.03	0.05	0.13
48: 105343	49.8	6.88	20.1	5.81	4.24	0.04	0.37	0.39	0.21
49: 105344	9.00	0.11	0.30	7.60	44.0	0.02	0.01	0.02	0.02
50-BLK: Sud-Sample Prep BLK	51.1	12.8	7.43	11.8	11.7	1.65	0.36	0.35	0.02
51: 105345	53.9	2.06	26.5	2.44	2.38	0.03	0.21	0.07	0.16
52: 105346	55.2	2.09	26.7	2.42	2.32	0.04	0.23	0.08	0.17
53: 105347	50.5	5.43	25.6	3.89	2.55	0.03	0.30	0.24	0.18
54: 105348	56.0	4.01	25.2	2.28	2.08	0.08	0.29	0.16	0.11
55: 105349	47.3	0.86	38.8	3.09	1.58	0.06	0.31	0.03	0.14
56: 105350	58.7	0.63	32.3	2.60	1.22	0.04	0.28	0.02	0.17
57: 105351	55.6	1.80	28.7	2.32	1.45	0.07	0.29	0.07	0.18
58: 105352	62.4	0.85	24.6	2.15	0.96	0.04	0.27	0.04	0.09
59: 105353	59.2	1.53	27.0	2.07	0.77	0.10	0.44	0.07	0.10
60: 105354	46.1	0.56	41.7	3.01	1.03	0.04	0.22	0.03	0.09
61: 105355	56.6	1.48	34.4	2.48	1.12	0.03	0.35	0.07	0.11
62: 105356	45.9	2.98	41.0	2.20	2.10	0.09	0.71	0.14	0.16
63: 105357	50.1	2.11	36.8	2.91	1.57	0.05	0.17	0.14	0.13

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
40: 105335	0.08	< 0.01	< 0.01	4.07	99.0	0.25	0.25	17.3	23.9
41: 105336	0.11	0.04	0.03	6.99	98.4	0.21	0.21	7.6	10.5
42: 105337	0.07	0.01	< 0.01	3.57	98.5	1.53	1.51	12.2	16.8
43: 105338	0.12	0.02	0.01	5.22	96.6	3.82	3.43	4.0	5.6
44: 105339	0.13	0.03	< 0.01	9.21	96.2	6.19	5.60	5.4	7.4
45: 105340	0.11	0.02	0.01	11.4	98.4	12.3	11.5	0.9	1.2
46: 105341	0.19	0.01	< 0.01	4.93	98.0	2.62	2.53	1.4	1.9
47: 105342	0.99	< 0.01	0.01	3.03	100.3	< 0.01	< 0.05	2.2	3.1
48: 105343	0.18	0.04	0.03	8.82	97.0	0.92	0.88	0.9	1.3
49: 105344	0.03	< 0.01	< 0.01	38.8	99.9	< 0.01	< 0.05	0.4	0.5
50-BLK: Sud-Sample Prep BLK	0.14	0.10	0.04	2.96	100.5	0.02	< 0.05	0.4	0.6
51: 105345	0.12	< 0.01	< 0.01	8.82	96.7	1.27	1.14	3.8	5.2
52: 105346	0.11	< 0.01	0.01	8.72	98.1	1.19	1.19	3.7	5.1
53: 105347	0.11	0.02	0.02	8.27	97.1	2.06	1.83	2.1	2.9
54: 105348	0.10	0.01	< 0.01	7.23	97.5	1.17	1.13	1.8	2.5
55: 105349	0.07	< 0.01	< 0.01	6.64	98.9	0.29	0.29	13.0	17.9
56: 105350	0.06	< 0.01	< 0.01	3.78	99.8	0.32	0.32	11.2	15.5
57: 105351	0.13	< 0.01	< 0.01	7.10	97.7	3.60	3.26	4.9	6.8
58: 105352	0.13	< 0.01	< 0.01	7.78	99.3	1.50	1.35	4.2	5.8
59: 105353	0.11	< 0.01	< 0.01	7.31	98.7	2.48	2.32	4.3	5.9
60: 105354	0.15	< 0.01	< 0.01	5.75	98.7	0.62	0.57	13.8	19.1
61: 105355	0.08	< 0.01	< 0.01	2.80	99.5	0.22	0.22	13.5	18.6
62: 105356	0.04	< 0.01	< 0.01	4.13	99.5	0.07	0.07	20.6	28.4
63: 105357	0.08	0.01	< 0.01	4.52	98.6	0.39	0.39	15.8	21.8

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Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
64: 105358	45.5	4.42	34.2	4.47	3.66	0.01	0.08	0.31	0.21
65: 105359	45.5	0.12	48.2	2.04	1.64	< 0.01	0.06	< 0.01	0.13
66: 105360	42.1	0.22	51.0	1.99	1.45	< 0.01	0.07	0.01	0.15
67: 105361	49.0	5.38	28.9	4.57	3.95	0.04	0.07	0.39	0.21
68: 105362	44.2	3.17	40.8	3.66	3.07	0.11	0.14	0.22	0.18
69: 105363	48.7	4.10	32.1	3.58	3.85	0.10	0.45	0.25	0.25
70: 105364	48.1	2.71	36.9	3.38	2.89	0.05	0.13	0.20	0.18
71: 105365	53.0	0.06	44.8	1.61	0.61	< 0.01	0.04	< 0.01	0.14
72: 105366	50.5	0.75	41.1	2.54	1.36	0.02	0.10	0.05	0.12
73: 105367	49.0	0.96	39.7	2.40	2.88	0.02	0.11	0.07	0.08
74: 105368	44.6	9.07	26.9	6.63	3.11	0.06	0.16	0.64	0.27
75: 105369	56.3	2.06	29.5	2.67	1.27	0.18	0.53	0.12	0.08
76: 105370	48.4	2.15	36.5	3.00	1.37	0.17	0.53	0.10	0.08
77: 105371	57.3	2.33	29.7	2.54	0.53	0.15	0.45	0.12	0.05
78: 105372	8.08	0.99	87.5	0.04	0.07	0.02	0.03	0.04	0.14
79: 105373	49.4	0.65	40.0	2.80	1.24	0.05	0.25	0.03	0.10
80: 105374	7.03	0.10	0.26	5.77	46.4	0.03	0.01	0.01	0.02
81: 105375	50.5	2.87	33.0	2.86	0.86	0.16	0.45	0.22	0.05
82: 105376	51.6	3.14	31.8	2.81	0.99	0.15	0.42	0.29	0.05
83: 105377	50.7	7.72	23.0	3.39	2.23	0.04	0.76	0.34	0.11
84-DUP: 105315	47.3	0.53	46.1	1.56	0.57	0.01	0.11	0.03	0.08
85-DUP: 105335	49.7	1.19	36.8	2.90	2.64	0.11	0.47	0.05	0.22
86-DUP: 105354	45.7	0.54	41.5	3.00	1.02	0.03	0.21	0.03	0.09
87-DUP: 105374	7.08	0.09	0.25	5.70	46.3	0.04	< 0.01	< 0.01	0.02

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
64: 105358	0.09	0.02	0.02	5.76	98.8	0.26	0.25	12.8	17.7
65: 105359	0.04	< 0.01	< 0.01	1.34	99.1	0.21	0.21	25.4	35.1
66: 105360	0.02	< 0.01	< 0.01	1.12	98.2	0.18	0.18	27.6	38.1
67: 105361	0.09	0.03	0.03	5.34	98.0	1.01	0.94	9.8	13.6
68: 105362	0.06	0.01	0.01	3.82	99.5	0.11	0.11	21.2	29.3
69: 105363	0.08	< 0.01	0.01	5.44	99.0	0.14	0.13	14.5	20.0
70: 105364	0.10	0.02	0.01	4.87	99.5	0.22	0.22	18.2	25.2
71: 105365	0.04	< 0.01	< 0.01	0.49	100.8	0.01	< 0.05	26.1	36.1
72: 105366	0.10	< 0.01	< 0.01	1.80	98.5	0.86	0.78	20.1	27.8
73: 105367	0.07	< 0.01	< 0.01	3.39	98.7	0.50	0.47	20.4	28.2
74: 105368	0.14	0.04	0.04	8.07	99.8	0.13	0.13	3.5	4.8
75: 105369	0.14	< 0.01	< 0.01	5.76	98.7	1.07	1.02	6.3	8.7
76: 105370	0.09	< 0.01	< 0.01	7.53	99.9	0.08	0.09	10.6	14.6
77: 105371	0.17	< 0.01	< 0.01	6.16	99.5	1.06	0.94	6.2	8.6
78: 105372	0.99	< 0.01	0.01	3.55	101.5	< 0.01	< 0.05	2.2	3.0
79: 105373	0.13	< 0.01	< 0.01	4.50	99.2	0.46	0.45	13.8	19.0
80: 105374	0.02	< 0.01	< 0.01	39.8	99.4	< 0.01	< 0.05	0.3	0.4
81: 105375	0.15	0.02	< 0.01	8.08	99.2	0.47	0.46	5.1	7.0
82: 105376	0.14	0.02	< 0.01	7.74	99.2	0.40	0.40	4.9	6.8
83: 105377	0.12	0.01	0.01	9.86	98.3	0.35	0.33	0.4	0.6
84-DUP: 105315	0.03	< 0.01	< 0.01	3.44	99.7	0.23	---	25.3	34.9
85-DUP: 105335	0.08	< 0.01	< 0.01	4.09	98.2	0.25	0.21	17.3	23.9
86-DUP: 105354	0.15	< 0.01	< 0.01	5.79	98.1	0.60	---	13.9	19.2
87-DUP: 105374	0.02	< 0.01	< 0.01	39.7	99.2	< 0.01	< 0.05	0.2	0.3

OnLine LIMS



SGS Canada Inc.

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LR Report : CA03763-FEB12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
88-REP: 105345	54.0	2.03	27.1	2.40	2.41	0.03	0.21	0.07	0.15

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
88-REP: 105345	0.12	< 0.01	< 0.01	8.66	97.2	1.25	1.19	3.6	5.0

Control Quality Analysis - Not suitable for commercial exchange



April Rice
Project Coordinator

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SGS Canada Inc.

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Rogue Iron Corp
Attn : Freeman Smith

Suite 202, 200 Granville Square, Vancouver
, V6C 1S4
Phone: 604-629-1808, Fax:604-229-0481

May 4, 2012

Date Rec. : 28 March 2012
LR Report : CA03794-MAR12
Client Ref : 107551 to 107566

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample Prep BLK	55.3	13.6	5.62	9.41	10.6	2.23	0.38	0.19	0.02
2: 107551	49.1	0.96	36.5	1.81	1.07	0.18	0.03	0.05	0.11
3: 107552	8.19	0.98	85.8	0.05	0.04	0.01	0.04	0.04	0.12
4: 107553	66.5	0.56	21.9	1.29	0.34	< 0.01	0.02	0.02	0.04
5: 107554	7.79	0.10	0.22	6.47	46.7	0.02	< 0.01	< 0.01	0.02
6: 107555	44.9	7.21	16.2	7.41	7.00	1.47	0.22	0.46	0.18
7: 107556	45.8	7.39	15.2	7.31	7.07	1.62	0.22	0.46	0.19
8: 107557	39.6	0.26	45.5	1.96	0.89	0.01	0.03	< 0.01	0.11
9: 107558	44.3	0.64	43.3	2.08	1.21	0.02	0.09	0.04	0.12
10: 107559	64.0	0.65	26.2	1.41	0.72	0.04	0.15	0.03	0.08
11: 107560	66.0	0.83	23.0	1.42	0.48	0.06	0.18	0.03	0.04
12: 107561	45.0	0.11	44.4	1.58	1.29	< 0.01	0.04	< 0.01	0.09
13: 107562	43.0	0.33	43.9	1.79	1.45	0.02	0.10	< 0.01	0.11
14: 107563	45.3	12.5	13.2	7.42	7.11	0.44	1.27	0.66	0.29
15: 107564	46.3	10.6	14.6	6.69	8.00	0.07	0.95	0.58	0.26

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample Prep BLK	0.11	0.12	0.03	2.20	99.8	0.02	<0.05	0.1	0.2
2: 107551	0.06	< 0.01	< 0.01	9.44	99.3	0.72	0.72	11.9	16.4
3: 107552	1.01	< 0.01	< 0.01	3.39	99.7	0.01	<0.05	2.1	2.9
4: 107553	0.07	< 0.01	< 0.01	8.45	99.2	1.89	1.79	3.8	5.3
5: 107554	0.02	< 0.01	< 0.01	39.8	101.2	< 0.01	<0.05	< 0.1	< 0.1
6: 107555	0.13	0.07	0.03	13.6	98.8	0.61	0.61	1.5	2.1
7: 107556	0.13	0.07	0.03	13.6	99.1	0.60	0.56	1.3	1.8
8: 107557	0.04	< 0.01	< 0.01	10.7	99.1	0.29	0.24	16.9	23.3
9: 107558	0.04	< 0.01	< 0.01	7.96	99.7	0.23	0.11	18.2	25.2
10: 107559	0.05	< 0.01	< 0.01	5.59	98.9	2.10	2.03	8.3	11.5
11: 107560	0.06	< 0.01	< 0.01	6.54	98.7	1.91	1.78	6.0	8.3
12: 107561	0.02	< 0.01	< 0.01	6.90	99.5	0.18	0.17	21.0	29.0
13: 107562	0.04	< 0.01	< 0.01	8.70	99.5	0.21	0.18	17.7	24.5
14: 107563	0.12	0.05	0.04	11.5	99.9	0.01	<0.05	0.4	0.6
15: 107564	0.12	0.05	0.04	11.3	99.6	0.09	< 0.05	0.7	1.0



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LR Report : CA03794-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 107565	51.9	4.74	27.8	4.02	3.66	0.31	0.16	0.25	0.15
17: 107566	43.3	11.1	11.2	9.43	8.35	1.79	0.08	0.66	0.26

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 107565	0.09	0.03	0.02	6.20	99.4	0.32	0.28	10.6	14.7
17: 107566	0.14	0.08	0.05	13.1	99.6	0.01	<0.05	0.1	0.2

Control Quality Analysis - Not suitable for commercial exchange



April Rice
Project Coordinator

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May 4, 2012

Date Rec. : 29 March 2012
LR Report : CA03939-MAR12
Client Ref : 107567 to 107632

CERTIFICATE OF ANALYSIS

Final Report

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
1-BLK: Sud-Sample Prep BLK	50.1	15.5	7.42	10.9	10.2	1.95	0.32	0.49	0.02
2: 107567	46.1	6.80	34.2	4.06	2.39	0.70	0.06	0.37	0.24
3: 107568	54.8	0.56	33.7	1.70	1.13	0.04	0.14	0.02	0.07
4: 107569	47.4	0.23	42.0	1.73	1.04	0.02	0.07	0.01	0.11
5: 107570	55.0	0.19	35.1	1.64	0.88	< 0.01	0.04	0.01	0.08
6: 107571	61.8	1.79	23.1	1.96	0.90	0.08	0.11	0.09	0.06
7: 107572	74.7	0.90	16.1	1.23	0.32	< 0.01	0.07	0.04	0.03
8: 107573	63.3	0.61	25.3	1.87	0.65	0.04	0.19	0.02	0.05
9: 107574	45.6	0.54	43.0	1.97	1.05	0.02	0.14	0.02	0.08
10: 107575	49.6	0.08	42.8	1.93	1.24	< 0.01	0.05	< 0.01	0.12
11: 107576	46.3	0.08	45.7	1.78	1.29	< 0.01	0.05	< 0.01	0.12
12: 107577	43.8	0.91	48.9	1.82	1.46	< 0.01	0.22	0.04	0.15
13: 107578	44.0	0.79	44.2	1.96	1.65	0.03	0.14	0.05	0.13
14: 107579	49.6	0.65	37.2	1.90	1.27	0.05	0.21	0.01	0.10
15: 107580	52.6	0.67	35.7	1.60	1.31	0.05	0.20	0.01	0.09

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
1-BLK: Sud-Sample Prep BLK	0.13	0.14	0.04	3.43	100.5	0.06	0.06	0.2	0.3
2: 107567	0.10	0.03	0.02	4.79	99.9	0.24	0.16	14.6	20.2
3: 107568	0.06	< 0.01	< 0.01	6.59	98.8	0.85	0.77	12.3	17.0
4: 107569	0.03	< 0.01	< 0.01	6.97	99.7	0.14	0.11	19.3	26.7
5: 107570	0.05	< 0.01	< 0.01	6.53	99.4	0.33	0.29	15.2	21.0
6: 107571	0.08	< 0.01	< 0.01	9.06	99.1	0.87	0.82	3.1	4.3
7: 107572	0.06	0.02	< 0.01	6.68	100.2	0.81	0.73	1.7	2.3
8: 107573	0.08	< 0.01	< 0.01	7.52	99.7	0.83	0.77	6.5	9.0
9: 107574	0.06	< 0.01	< 0.01	6.72	99.2	0.25	0.22	18.2	25.1
10: 107575	0.03	< 0.01	< 0.01	3.21	99.1	0.47	0.41	19.9	27.5
11: 107576	0.03	< 0.01	< 0.01	4.32	99.7	0.21	0.16	22.3	30.8
12: 107577	0.03	< 0.01	< 0.01	2.58	99.8	0.10	0.08	26.1	36.0
13: 107578	0.03	< 0.01	< 0.01	6.73	99.8	0.12	0.08	20.7	28.6
14: 107579	0.07	< 0.01	< 0.01	7.95	99.1	0.57	0.51	13.2	18.3
15: 107580	0.05	< 0.01	< 0.01	6.85	99.1	0.30	0.24	13.8	19.0

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SGS Canada Inc.

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LR Report : CA03939-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
16: 107581	52.4	1.53	35.3	1.89	1.30	0.08	0.24	0.05	0.11
17: 107582	8.22	0.96	86.7	0.07	0.04	0.02	0.03	0.05	0.13
18: 107583	51.8	0.52	40.8	1.73	1.21	0.03	0.18	0.02	0.13
19: 107584	8.27	0.06	0.26	6.26	46.6	< 0.01	< 0.01	< 0.01	0.02
20: 107585	50.0	0.20	41.5	2.25	1.62	< 0.01	0.12	< 0.01	0.12
21: 107586	49.3	0.22	41.4	2.24	2.01	0.01	0.12	< 0.01	0.12
22: 107587	52.0	0.53	39.1	2.23	1.36	0.03	0.25	0.02	0.15
23: 107588	54.0	0.13	37.3	2.62	1.14	< 0.01	0.09	< 0.01	0.05
24: 107589	62.0	1.07	28.3	2.14	0.63	0.10	0.35	0.05	0.09
25: 107590	64.2	0.86	25.4	1.99	0.68	0.08	0.31	0.03	0.07
26: 107591	64.4	0.65	25.7	1.97	0.60	0.07	0.26	0.03	0.05
27: 107592	56.4	0.25	29.9	2.64	1.07	0.02	0.06	0.01	0.05
28: 107593	63.7	0.46	25.7	2.11	0.72	0.02	0.12	0.03	0.06
29: 107594	59.8	0.52	31.0	2.22	0.66	0.04	0.20	0.02	0.05
30: 107595	56.6	1.87	30.4	2.81	1.90	0.05	0.37	0.10	0.09
31: 107596	48.9	0.48	38.7	2.99	1.32	0.04	0.25	0.03	0.05
32: 107597	45.9	0.52	41.3	3.33	1.38	0.05	0.25	0.02	0.07
33: 107598	46.2	0.41	42.4	3.21	1.27	0.03	0.20	0.02	0.04
34: 107599	45.6	0.75	39.9	3.03	1.40	0.04	0.19	0.04	0.05
35: 107600	53.1	2.56	33.6	1.96	0.69	0.13	0.44	0.10	0.11
36: 107601	46.7	0.31	43.5	2.03	0.94	< 0.01	0.11	0.01	0.13
37: 107602	44.2	0.06	49.6	1.93	1.36	< 0.01	0.05	< 0.01	0.15
38: 107603	44.2	0.15	46.5	1.86	1.08	< 0.01	0.08	< 0.01	0.11
39: 107604	48.3	0.84	38.4	2.14	1.40	< 0.01	0.08	0.06	0.11

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
16: 107581	0.06	< 0.01	< 0.01	6.10	99.0	1.03	1.00	12.2	16.8
17: 107582	1.00	< 0.01	0.01	3.14	100.3	0.01	< 0.05	2.1	2.9
18: 107583	0.05	< 0.01	< 0.01	2.95	99.4	0.50	0.38	19.0	26.2
19: 107584	0.01	< 0.01	< 0.01	38.8	100.3	< 0.01	< 0.05	0.2	0.3
20: 107585	0.08	< 0.01	< 0.01	3.25	99.1	0.49	0.41	17.7	24.4
21: 107586	0.07	< 0.01	< 0.01	3.36	98.8	0.48	0.40	18.0	24.9
22: 107587	0.07	< 0.01	< 0.01	3.45	99.2	0.39	0.38	15.6	21.5
23: 107588	0.09	< 0.01	< 0.01	3.66	99.1	0.75	0.74	12.6	17.4
24: 107589	0.08	< 0.01	< 0.01	4.44	99.2	1.56	1.47	7.5	10.4
25: 107590	0.09	< 0.01	< 0.01	5.93	99.6	1.52	1.43	6.1	8.4
26: 107591	0.07	0.02	< 0.01	5.70	99.5	0.71	0.66	7.2	10.0
27: 107592	0.09	< 0.01	< 0.01	8.30	98.8	0.77	0.74	8.8	12.1
28: 107593	0.08	< 0.01	< 0.01	6.52	99.5	1.02	1.00	7.0	9.7
29: 107594	0.08	< 0.01	< 0.01	4.96	99.6	0.65	0.64	11.4	15.8
30: 107595	0.08	< 0.01	< 0.01	5.16	99.5	0.09	0.09	12.0	16.6
31: 107596	0.11	< 0.01	< 0.01	6.69	99.5	0.52	0.50	12.4	17.1
32: 107597	0.13	< 0.01	< 0.01	6.17	99.0	0.41	0.38	14.3	19.7
33: 107598	0.11	< 0.01	< 0.01	5.06	99.0	0.24	0.23	8.8	12.2
34: 107599	0.13	< 0.01	< 0.01	7.37	98.6	0.64	0.63	13.0	17.9
35: 107600	0.06	< 0.01	< 0.01	6.02	98.8	1.61	1.57	8.6	11.9
36: 107601	0.05	< 0.01	< 0.01	6.03	99.8	0.30	0.28	17.2	23.7
37: 107602	0.02	< 0.01	< 0.01	2.56	99.9	0.03	< 0.05	24.8	34.2
38: 107603	0.02	< 0.01	< 0.01	5.43	99.4	0.14	0.13	20.8	28.7
39: 107604	0.06	< 0.01	< 0.01	7.04	98.4	0.72	0.71	15.6	21.5

Online LIMS



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LR Report : CA03939-MAR12

Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
40: 107605	46.6	0.17	45.2	1.60	0.64	< 0.01	0.07	< 0.01	0.10
41: 107606	46.1	0.08	49.8	1.73	0.54	< 0.01	0.05	< 0.01	0.09
42: 107607	44.3	0.16	51.3	1.73	0.89	< 0.01	0.06	0.01	0.11
43: 107608	48.1	0.26	48.5	1.39	0.59	0.01	0.07	< 0.01	0.11
44: 107609	46.4	0.14	49.1	1.67	1.08	< 0.01	0.09	0.01	0.13
45: 107610	52.7	0.20	40.9	1.61	0.88	0.02	0.09	0.01	0.12
46: 107611	50.6	0.86	40.1	2.02	1.17	0.04	0.21	0.03	0.13
47: 107612	8.13	0.95	86.1	0.04	0.03	0.02	0.03	0.05	0.13
48: 107613	49.4	1.09	39.4	2.08	1.27	0.14	0.45	0.04	0.16
49: 107614	8.17	0.05	0.27	7.12	46.8	< 0.01	< 0.01	< 0.01	0.02
50-BLK: Sud-Sample Prep BLK	50.7	12.8	7.13	11.6	13.2	1.15	0.28	0.22	0.02
51: 107615	48.8	1.57	38.7	2.07	1.23	0.15	0.47	0.06	0.14
52: 107616	47.2	1.55	40.3	2.09	1.18	0.16	0.48	0.05	0.15
53: 107617	51.2	1.09	38.8	2.05	0.97	0.09	0.34	0.04	0.14
54: 107618	50.9	0.66	38.5	1.85	1.26	0.06	0.22	0.03	0.12
55: 107619	43.7	0.08	51.0	2.33	1.20	< 0.01	0.06	< 0.01	0.13
56: 107620	48.1	0.66	43.6	2.49	0.95	< 0.01	0.10	0.03	0.10
57: 107621	44.2	0.07	48.8	2.10	0.86	< 0.01	0.04	< 0.01	0.09
58: 107622	53.4	0.51	39.8	1.76	0.78	< 0.01	0.09	0.03	0.09
59: 107623	46.6	0.08	45.3	2.16	0.89	< 0.01	0.05	< 0.01	0.13
60: 107624	47.5	0.09	38.8	2.67	0.90	< 0.01	0.04	< 0.01	0.07
61: 107625	45.5	0.09	47.0	1.80	0.76	0.01	0.05	< 0.01	0.11
62: 107626	48.2	0.23	42.6	1.84	1.20	0.02	0.07	0.02	0.13
63: 107627	47.9	0.06	48.5	1.61	0.69	< 0.01	0.04	< 0.01	0.12

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
40: 107605	0.02	< 0.01	< 0.01	5.21	99.6	0.10	0.10	22.7	31.3
41: 107606	0.03	< 0.01	< 0.01	1.21	99.6	0.30	0.29	27.3	37.7
42: 107607	0.02	< 0.01	< 0.01	0.54	99.1	0.57	0.57	27.7	38.3
43: 107608	0.01	< 0.01	< 0.01	0.32	99.4	0.08	0.08	27.7	38.3
44: 107609	0.03	< 0.01	< 0.01	0.71	99.4	0.07	0.07	26.3	36.3
45: 107610	0.04	< 0.01	< 0.01	3.10	99.7	0.28	0.27	19.3	26.7
46: 107611	0.06	< 0.01	< 0.01	3.44	98.7	1.16	1.08	16.7	23.1
47: 107612	1.00	< 0.01	< 0.01	3.09	99.6	0.02	<0.05	2.1	2.9
48: 107613	0.08	< 0.01	< 0.01	5.11	99.2	0.54	0.49	15.2	21.0
49: 107614	0.02	< 0.01	< 0.01	38.5	101.0	< 0.01	<0.05	< 0.1	0.1
50-BLK: Sud-Sample Prep BLK	0.15	0.12	0.03	2.52	99.9	0.04	<0.05	0.3	0.4
51: 107615	0.06	< 0.01	< 0.01	5.29	98.5	0.79	0.74	14.0	19.4
52: 107616	0.07	< 0.01	< 0.01	5.31	98.5	0.84	0.79	14.8	20.5
53: 107617	0.06	< 0.01	0.01	4.38	99.1	0.85	0.80	14.8	20.4
54: 107618	0.07	< 0.01	< 0.01	5.01	98.7	1.21	1.19	15.4	21.2
55: 107619	0.02	< 0.01	< 0.01	1.27	99.8	0.12	0.09	24.9	34.4
56: 107620	0.05	< 0.01	< 0.01	3.25	99.4	1.29	1.19	16.6	23.0
57: 107621	0.03	< 0.01	< 0.01	3.17	99.4	0.17	0.15	23.2	32.1
58: 107622	0.05	< 0.01	< 0.01	2.86	99.4	0.68	0.65	18.0	24.8
59: 107623	0.05	< 0.01	< 0.01	4.55	99.8	0.19	0.16	20.0	27.6
60: 107624	0.07	< 0.01	< 0.01	9.89	100.1	0.14	0.14	12.4	17.1
61: 107625	0.04	< 0.01	< 0.01	4.62	100.0	0.08	0.06	23.4	32.3
62: 107626	0.04	< 0.01	< 0.01	5.69	100.0	0.21	0.20	20.0	27.6
63: 107627	0.03	< 0.01	< 0.01	1.00	99.9	0.06	< 0.05	26.5	36.6

Online LIMS

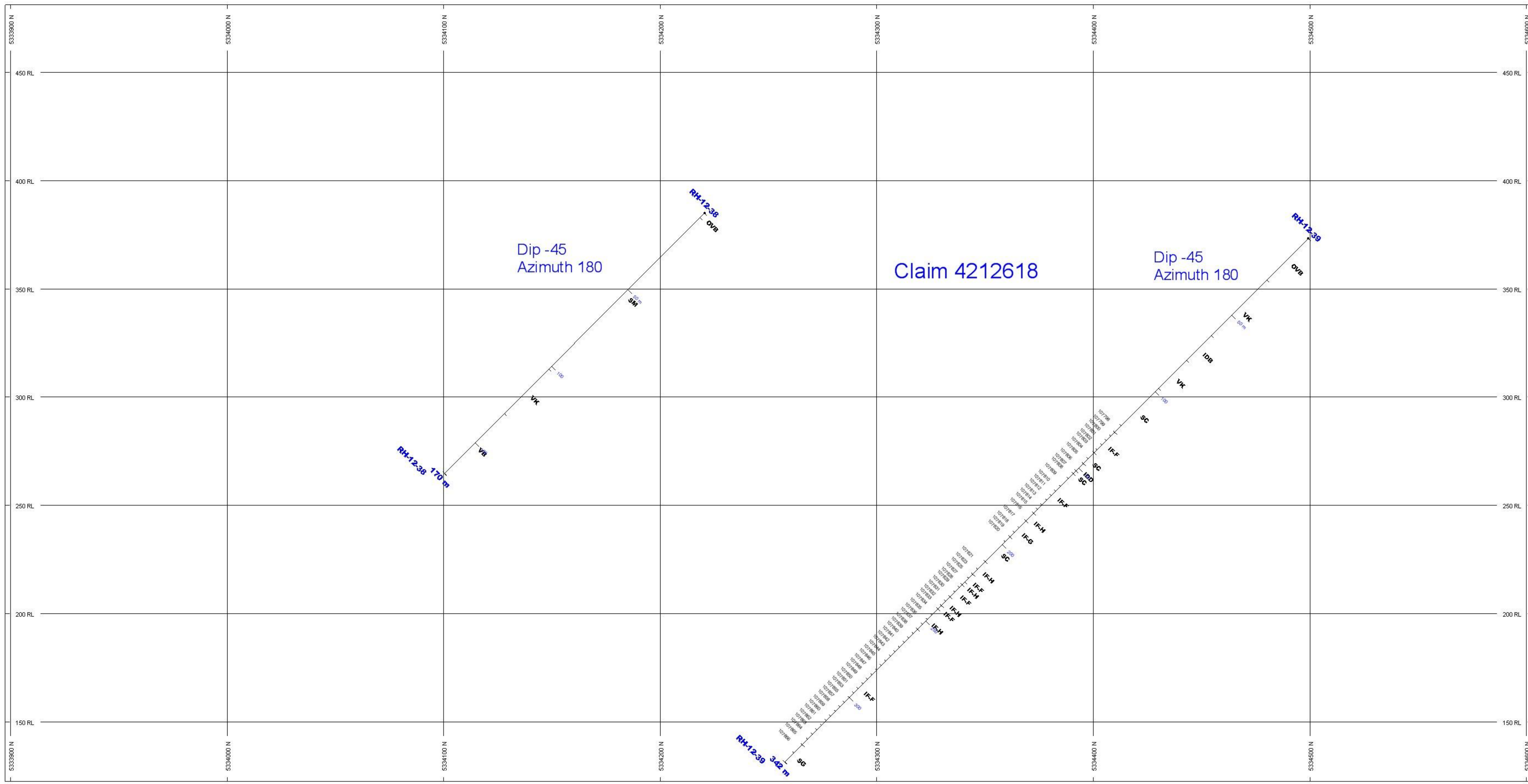
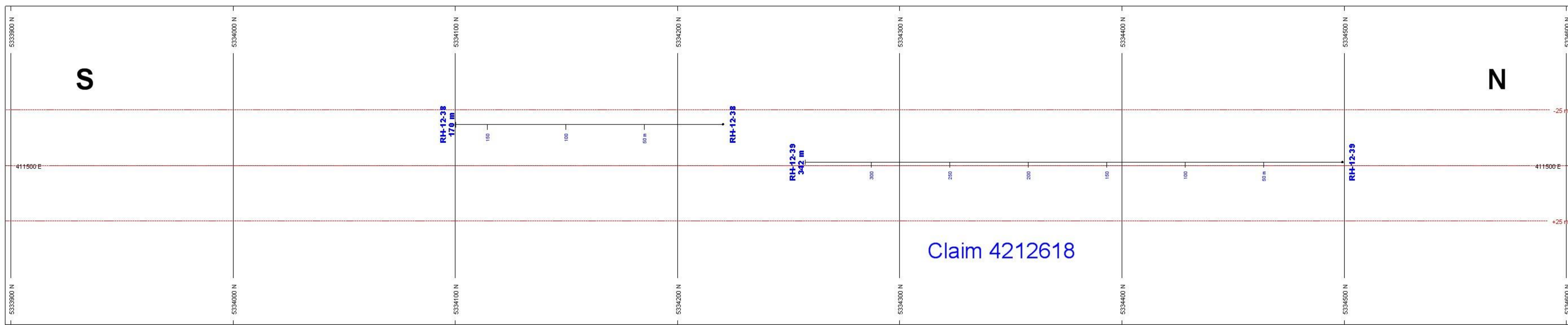
Sample ID	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %
64: 107628	41.7	0.05	53.0	1.31	0.60	< 0.01	0.03	< 0.01	0.11
65: 107629	47.0	0.03	46.3	1.71	0.82	< 0.01	0.03	< 0.01	0.11
66: 107630	49.6	2.53	36.8	2.68	1.60	0.04	0.10	0.11	0.16
67: 107631	50.6	0.45	37.4	1.99	1.04	0.05	0.20	0.02	0.12
68: 107632	63.5	0.81	25.7	1.73	0.82	0.04	0.12	0.04	0.05
69-DUP: 107585	50.2	0.20	41.4	2.27	1.63	< 0.01	0.12	< 0.01	0.12
70-DUP: 107605	46.3	0.19	45.1	1.59	0.64	0.02	0.07	< 0.01	0.09
71-DUP: 107624	47.5	0.08	38.7	2.64	0.90	< 0.01	0.04	< 0.01	0.07
72-REP: 107615	48.1	1.63	39.1	2.12	1.21	0.15	0.48	0.07	0.15

Sample ID	MnO %	Cr2O3 %	V2O5 %	LOI %	Sum %	S %	S= %	Magnetic Fe Fe %	Fe3O4 %
64: 107628	0.02	< 0.01	< 0.01	2.91	99.7	0.02	<0.05	30.4	42.0
65: 107629	0.02	< 0.01	< 0.01	4.01	100.0	0.03	<0.05	23.7	32.7
66: 107630	0.05	< 0.01	< 0.01	5.35	99.1	0.42	0.40	14.4	19.9
67: 107631	0.06	< 0.01	< 0.01	8.10	100.0	0.15	0.13	21.6	29.8
68: 107632	0.07	< 0.01	< 0.01	7.33	100.2	0.15	0.13	7.6	10.5
69-DUP: 107585	0.07	< 0.01	< 0.01	3.26	99.4	0.49	0.42	17.8	24.6
70-DUP: 107605	0.02	< 0.01	< 0.01	5.20	99.2	0.10	0.09	22.7	31.4
71-DUP: 107624	0.06	< 0.01	< 0.01	9.86	99.9	0.14	0.11	12.5	17.3
72-REP: 107615	0.07	< 0.01	< 0.01	5.49	98.5	0.84	0.82	14.0	19.3



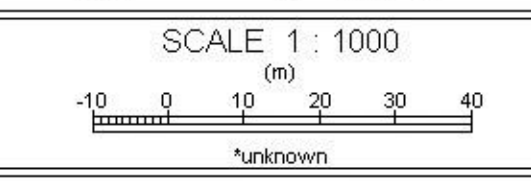
April Rice
Project Coordinator

Email: freeman.smith@roguemining.com; kevinmontgomery@persona.ca; krattee@ntl.sympatico.ca

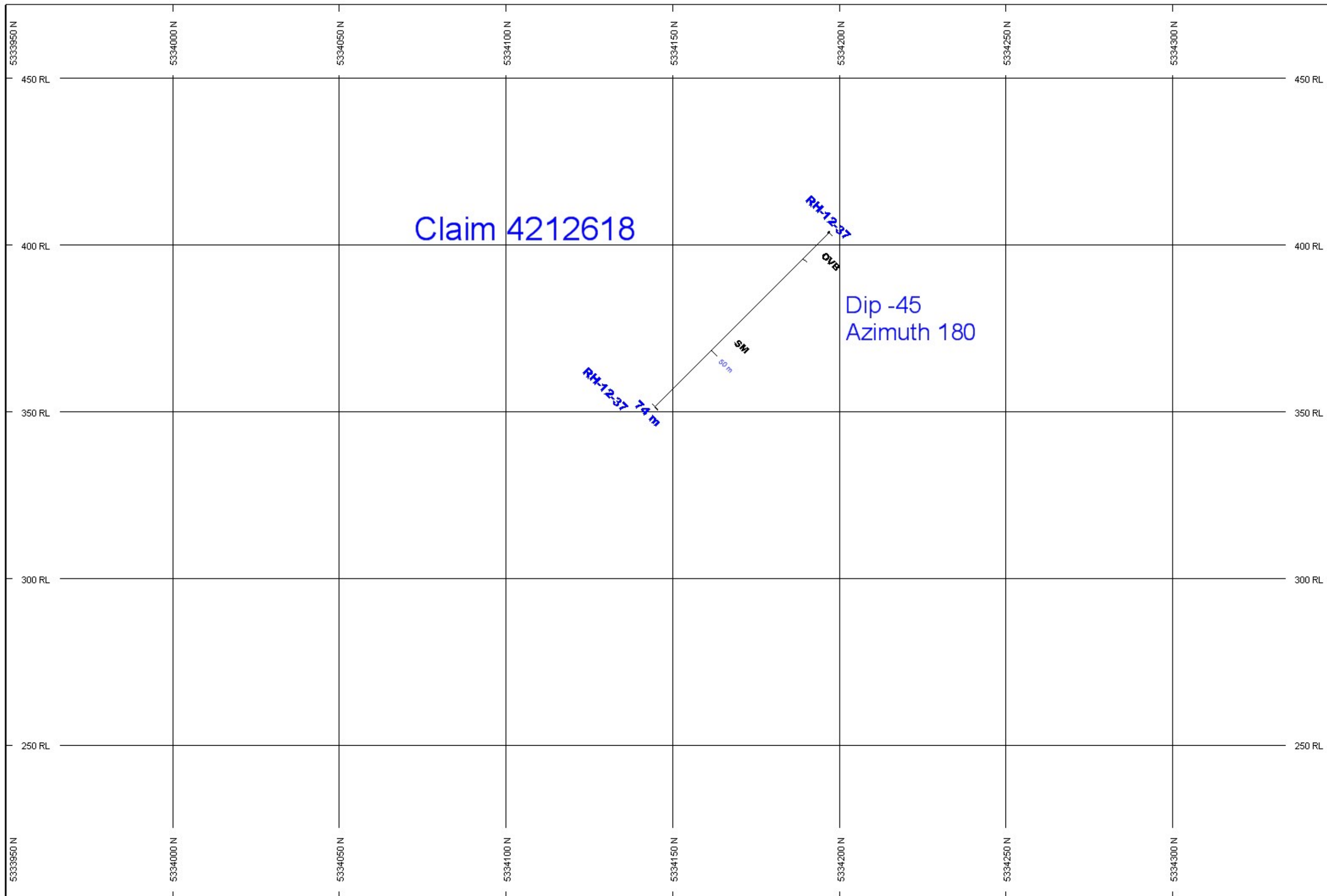
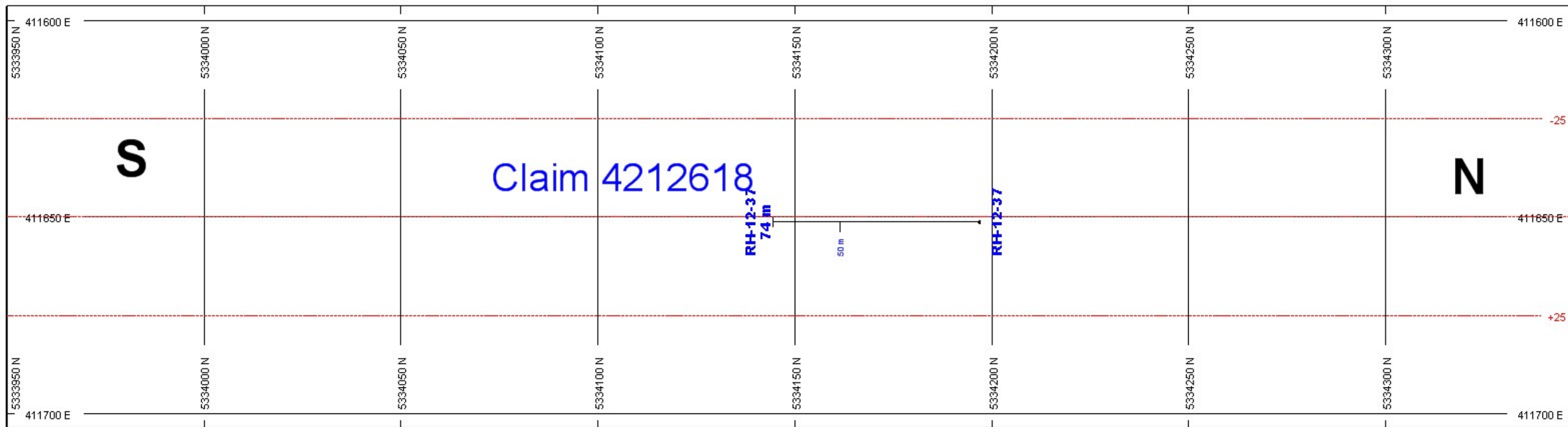


Looking West

ASSAYS	L/R	TEXT
Sample	L
POSTED TEXT	L/R	TEXT ITEMS
Code	R All



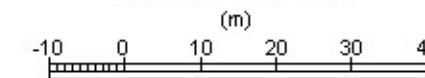
Rogue Resources
Radio Hill
Hole RH12-38 & 39
Section 411500E



Looking West

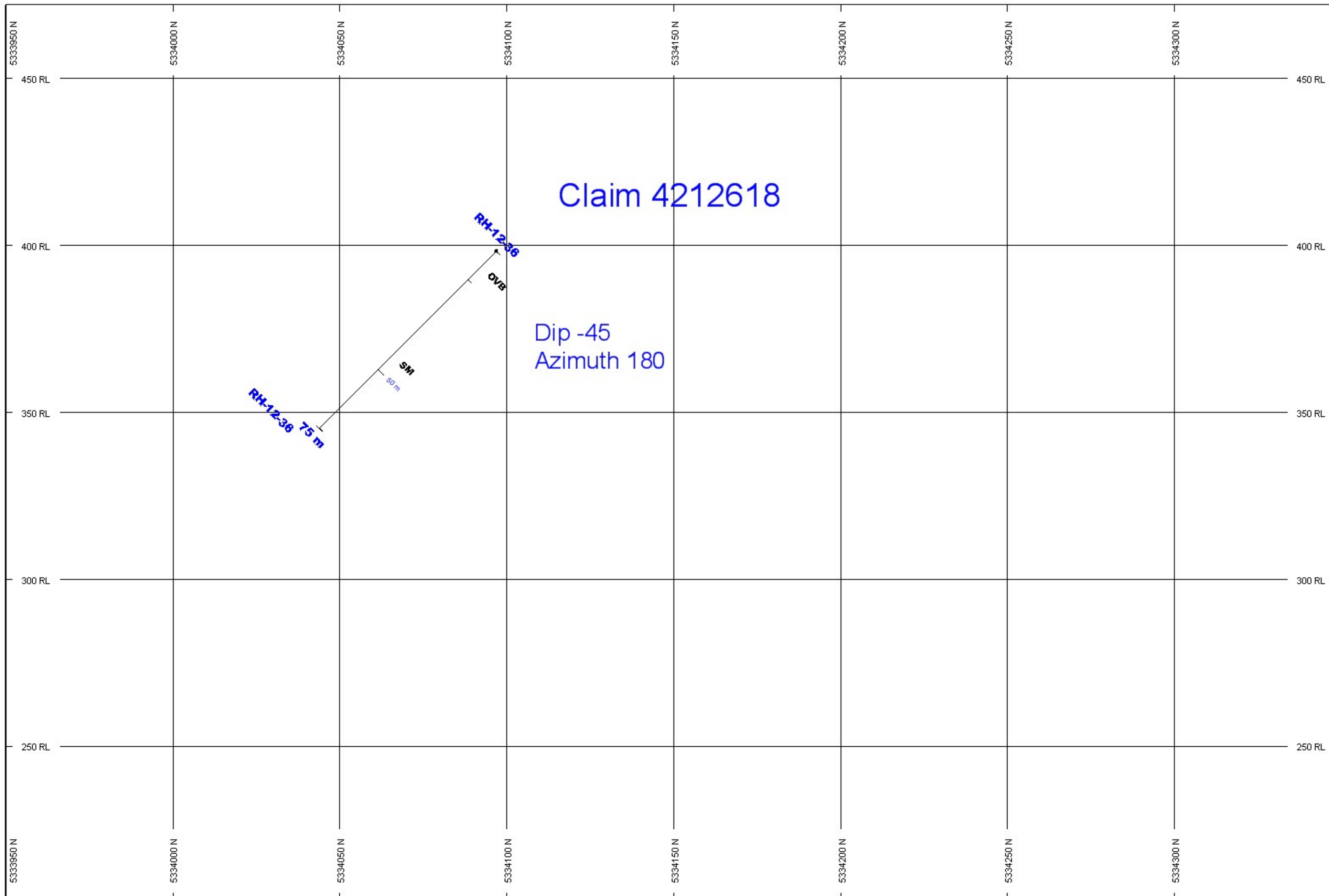
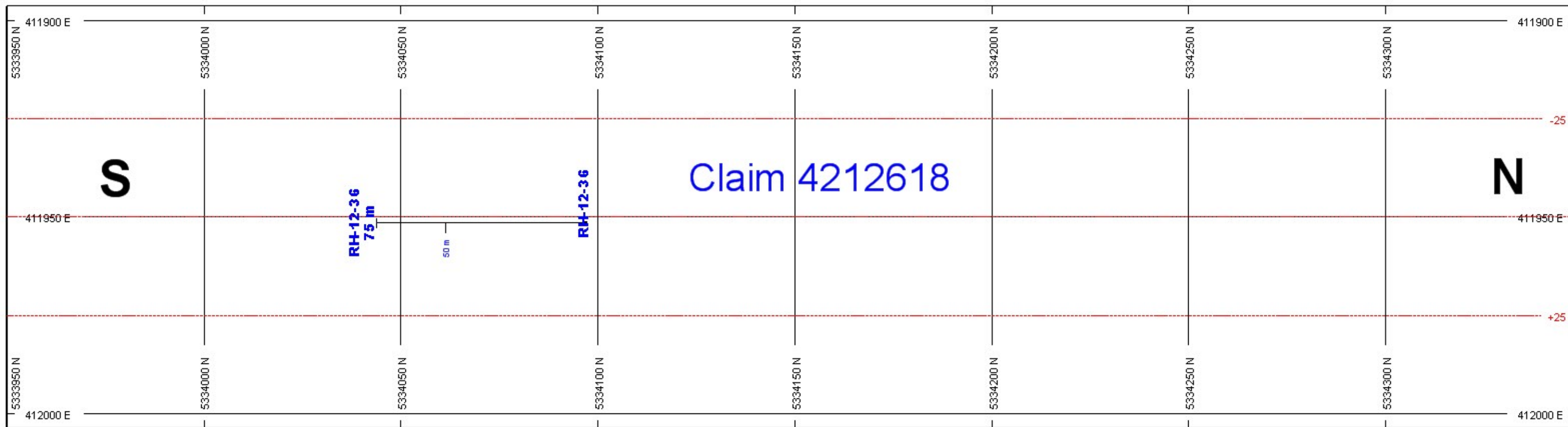
ASSAYS	L/R	TEXT	
Sample	L	-----	
POSTED TEXT	L/R	TEXT	ITEMS
Code	R	-----	All

SCALE 1 : 1000



*unknown

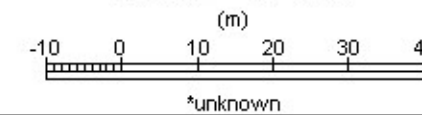
Rogue Resources
Radio Hill
Hole RH12-37
Section 411650E



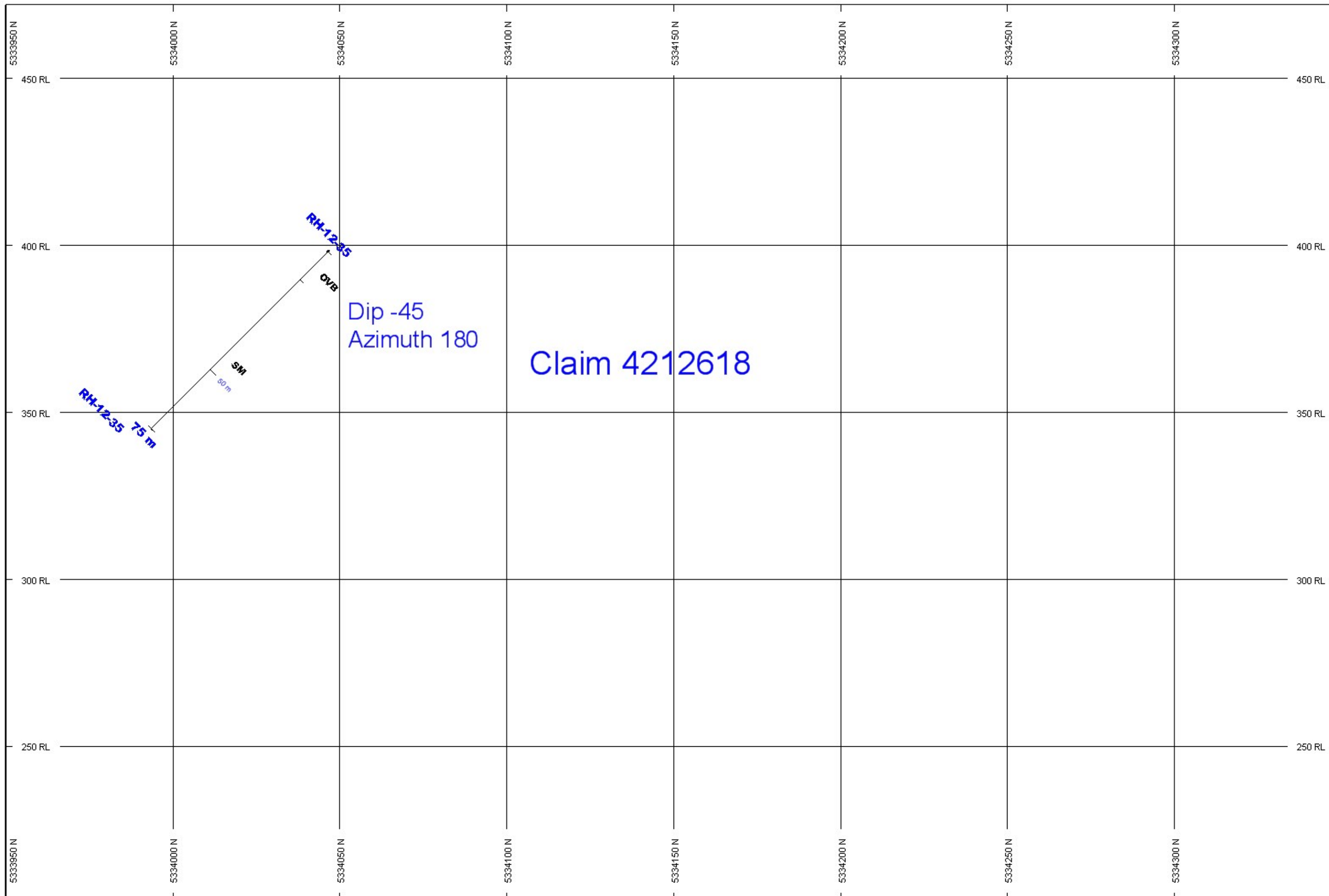
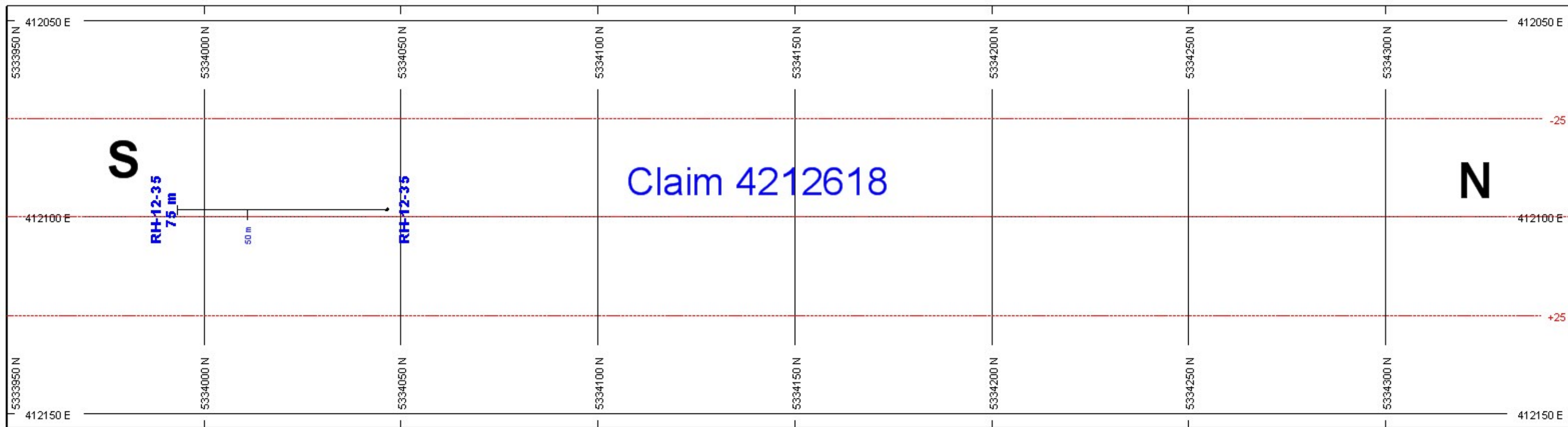
Looking West

ASSAYS	L/R	TEXT	
Sample	L	-----	
POSTED TEXT	L/R	TEXT	ITEMS
Code	R	-----	All

SCALE 1 : 1000



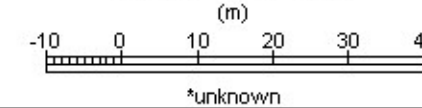
Rogue Resources
Radio Hill
Hole RH12-36
Section 411950E



Looking West

ASSAYS	L/R	TEXT	
Sample	L	-----	
POSTED TEXT	L/R	TEXT	ITEMS
Code	R	-----	All

SCALE 1 : 1000



Rogue Resources
 Radio Hill
 Hole RH12-35
 Section 412100E

S

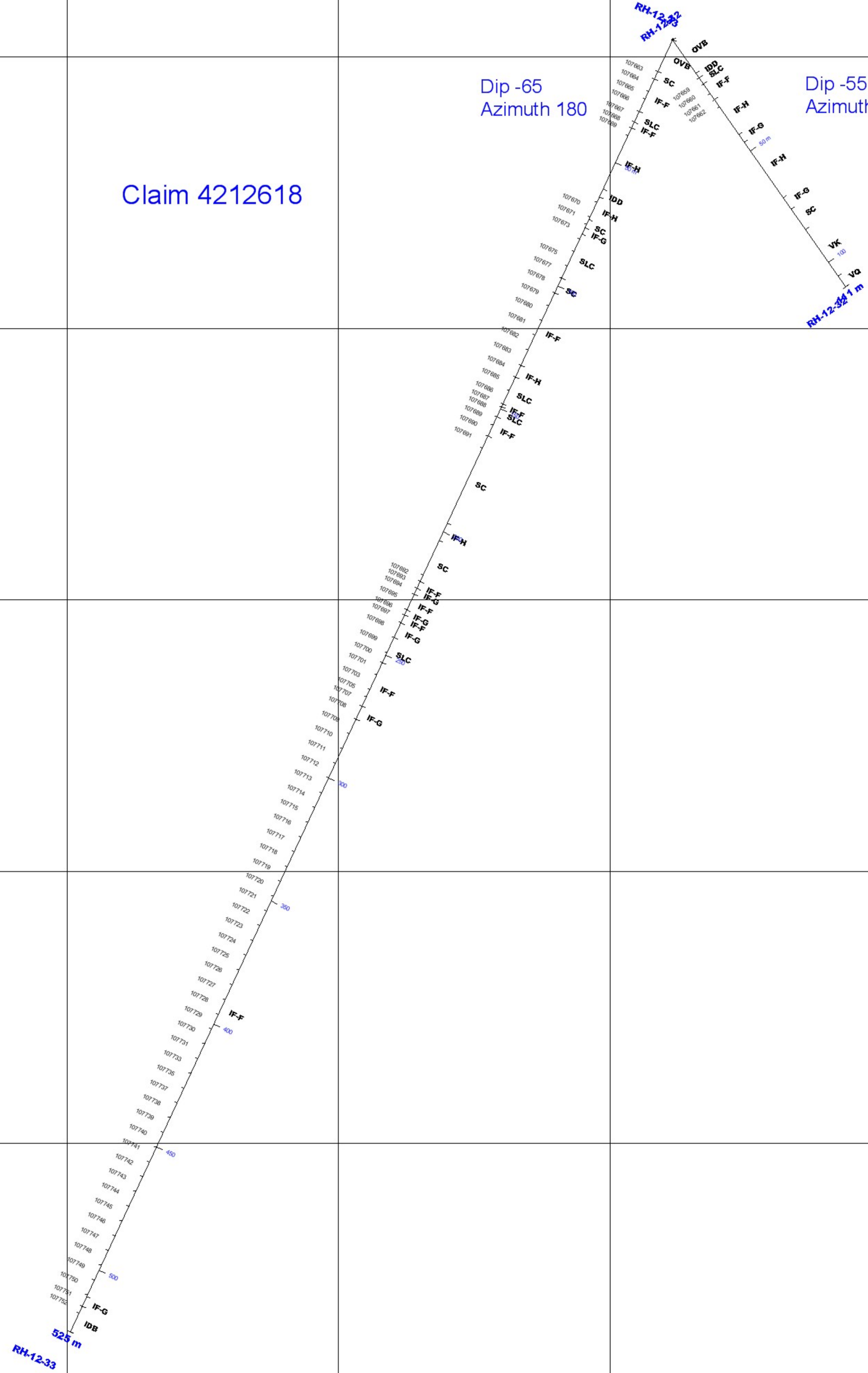
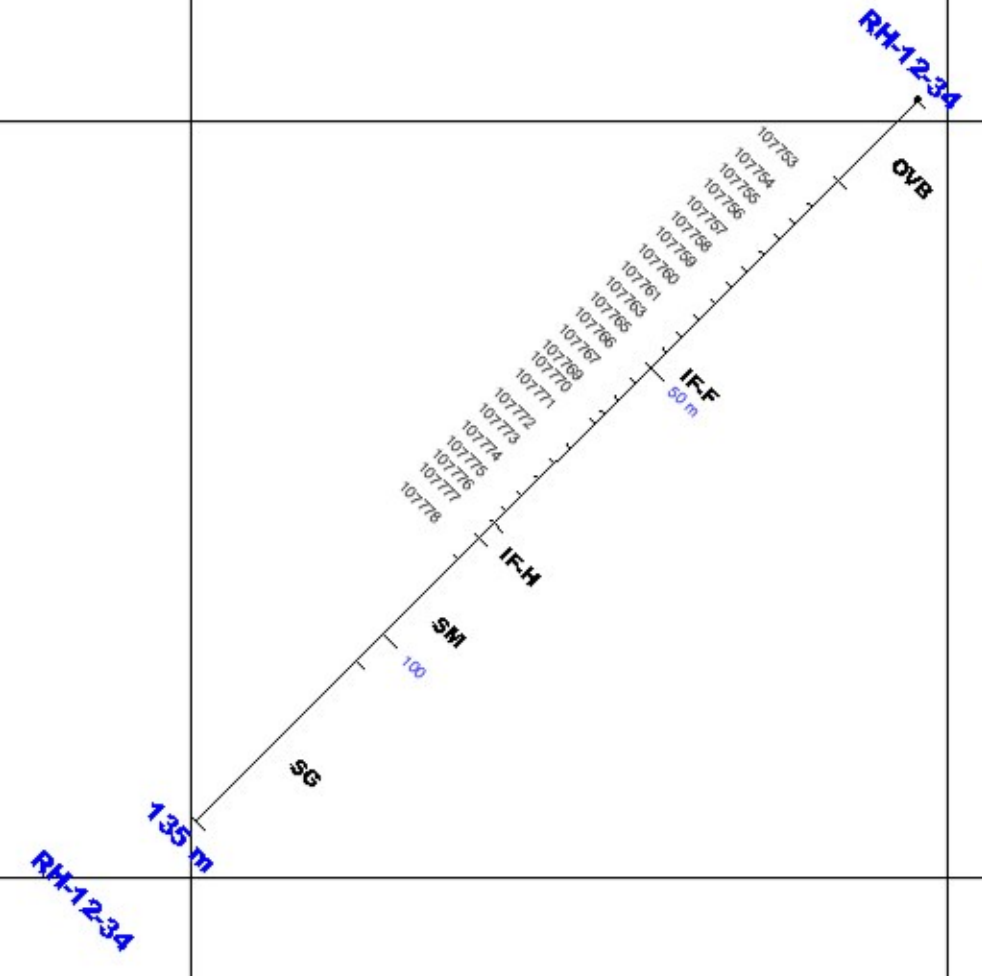
N

Claim 4212618

Dip -45
Azimuth 180

Dip -65
Azimuth 180

Dip -55
Azimuth 0



Looking West

ASSAYS	LR	TEXT
Sample	L	---

POSTED TEXT	LR	TEXT	ITEMS
Code	R	---	All

SCALE 1 : 1000

(m)

0 10 20 30 40

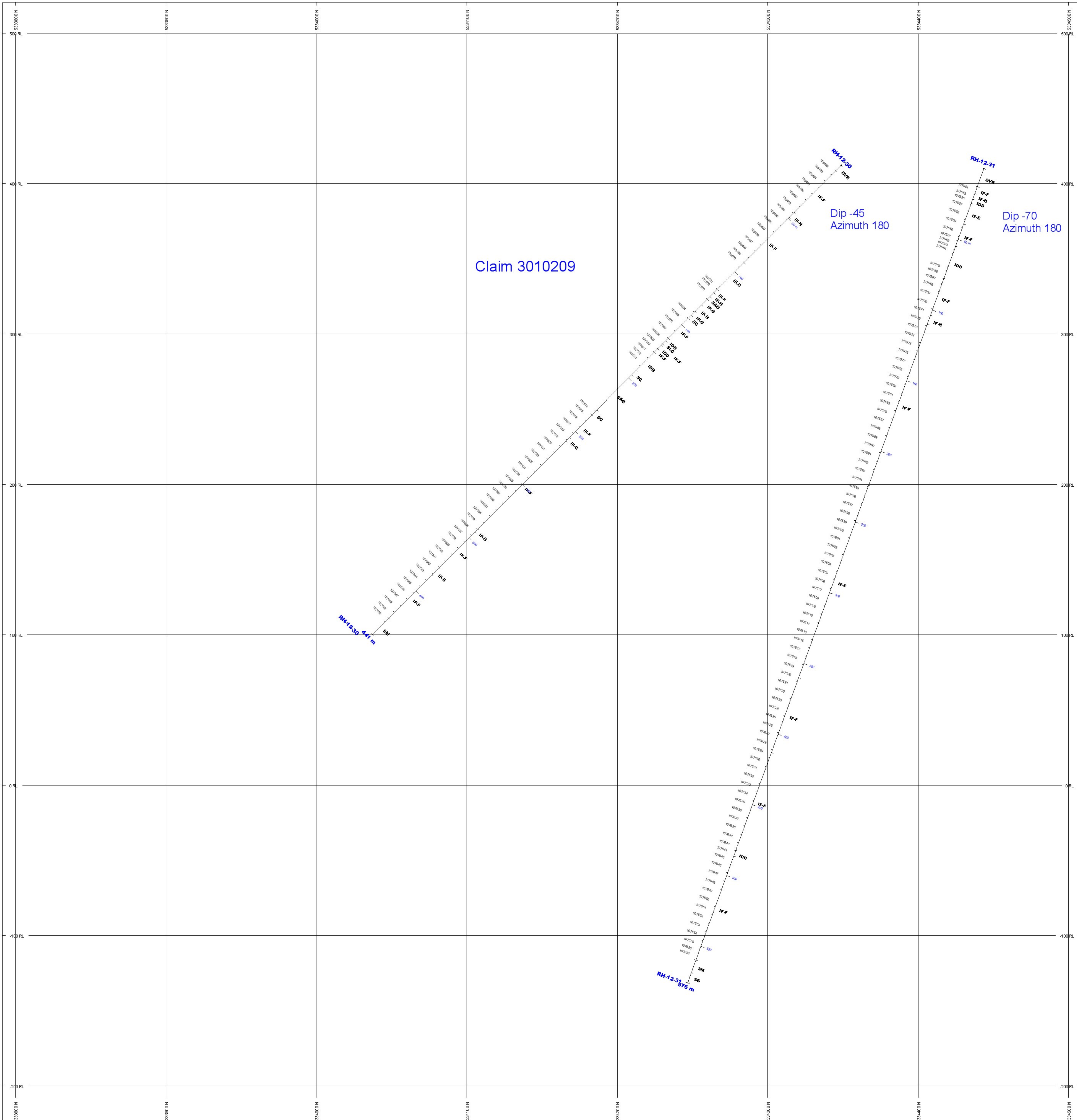
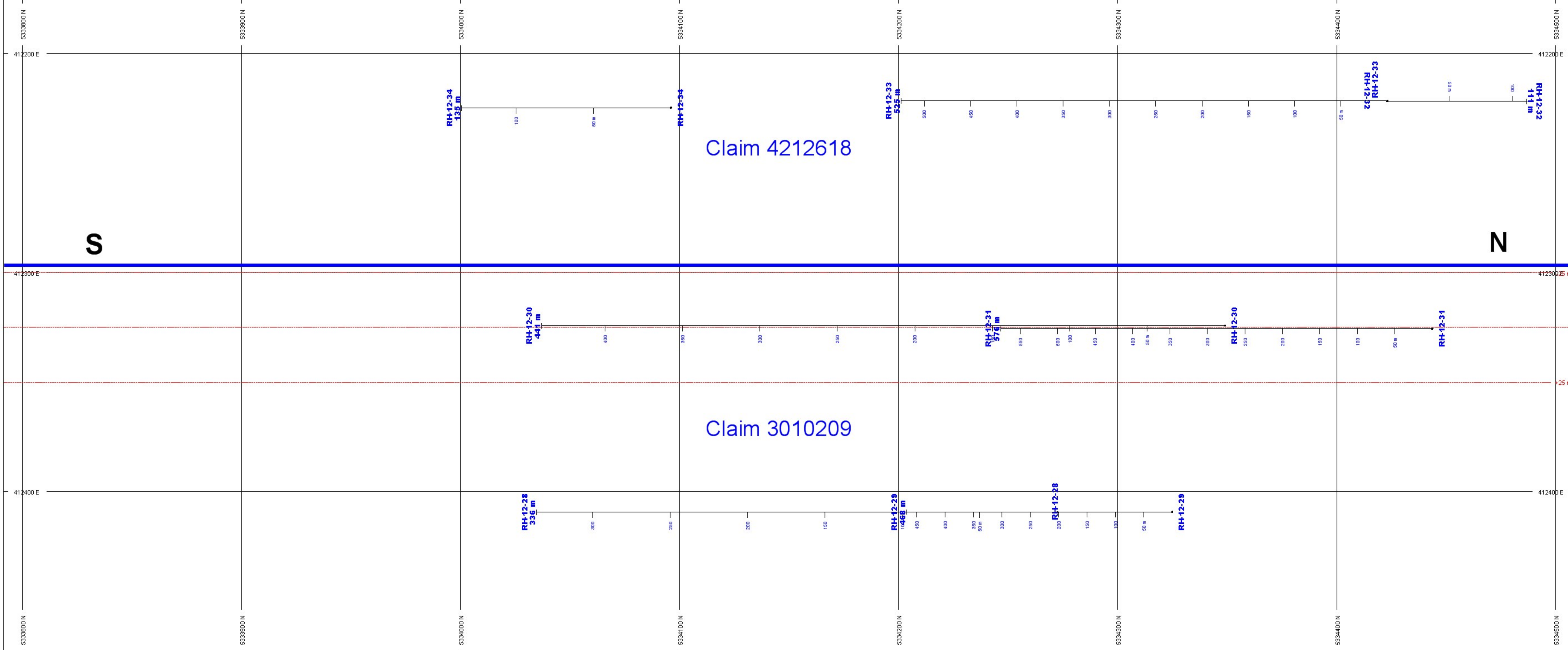
Not drawn to scale

Rogue Resources

Radio Hill

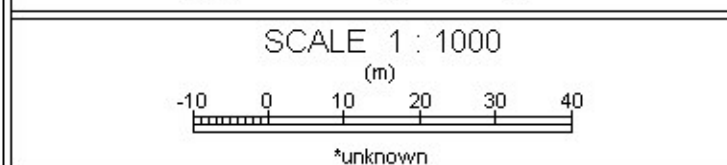
Hole RH12-32,33 & 34

Section 412225E

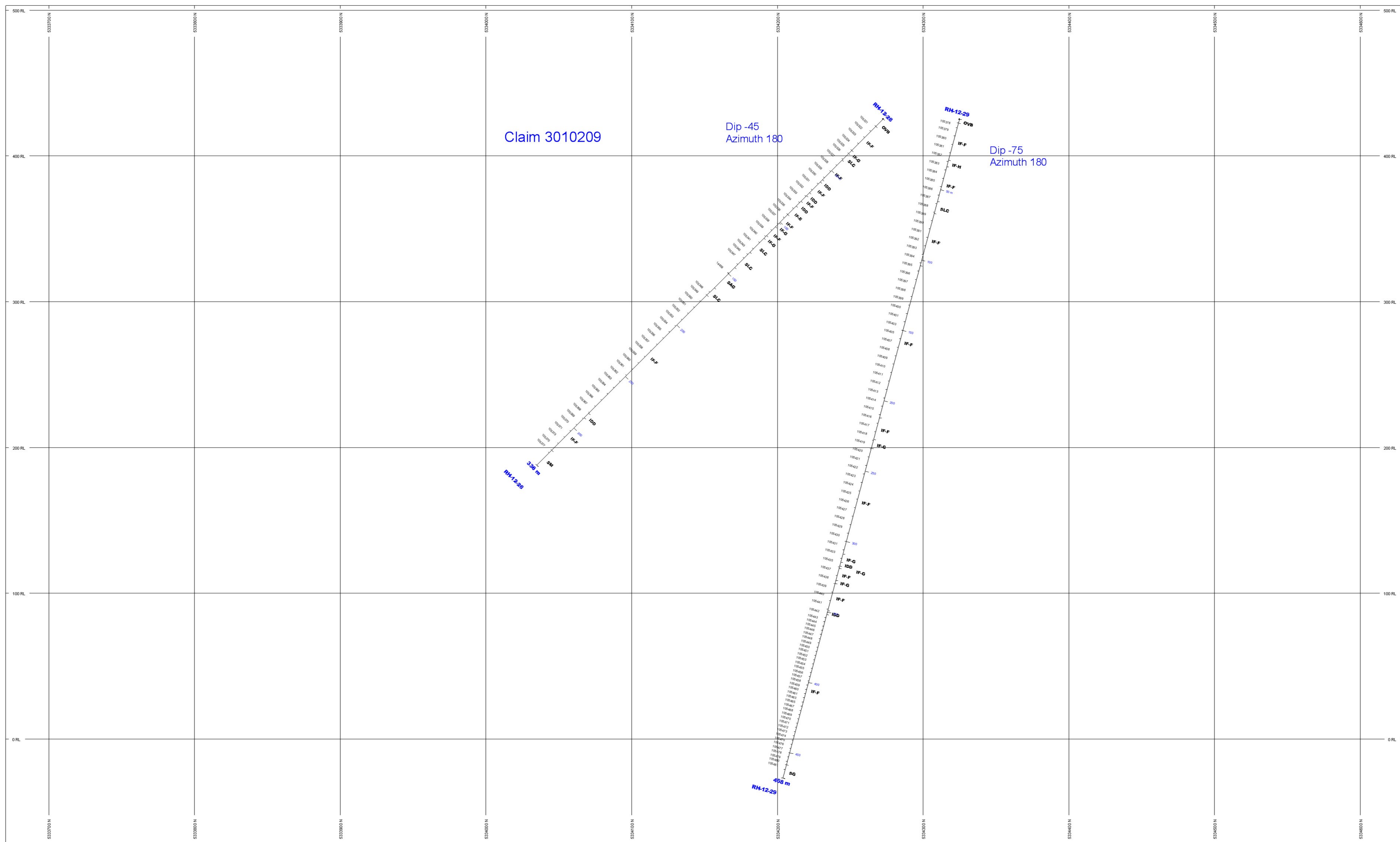
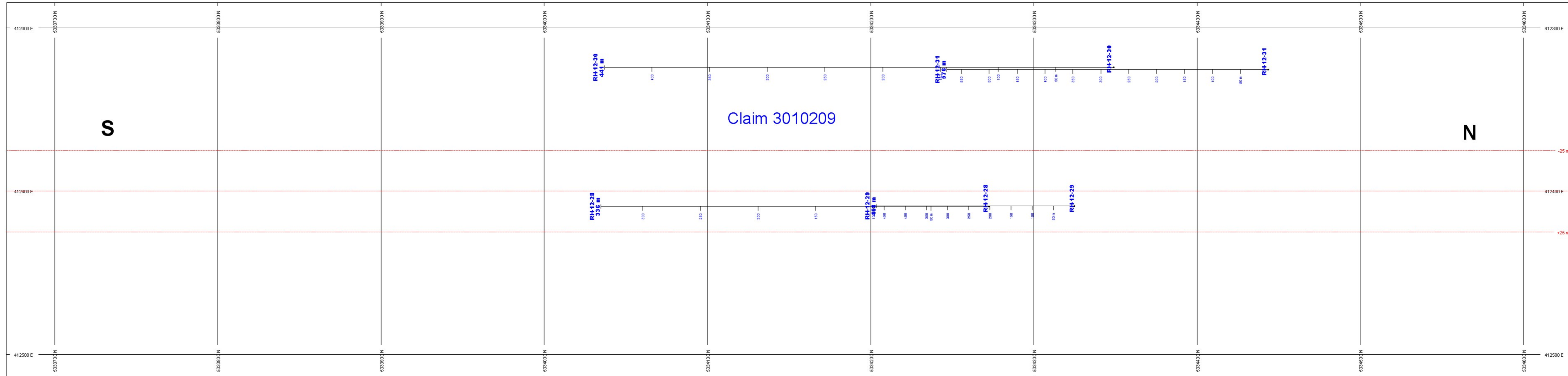


Looking West

ASSAYS	LR	TEXT
Sample	L	ITEMS
POSTED TEXT	LR	TEXT
Code	R	AI



Rogue Resources
 Radio Hill
 Hole RH12-30 & 31
 Section 412325E



Looking West

ASSAYS	LR	TEXT
Sample	L	---
POSTED TEXT	LR	TEXT ITEMS
Code	F	AT



Rogue Resources
Radio Hill
Hole RH12-28 & 29
Section 412400E

Claim 3010209

S

N

Claim 3010209

Dip -45
Azimuth 180

Dip -55
Azimuth 180

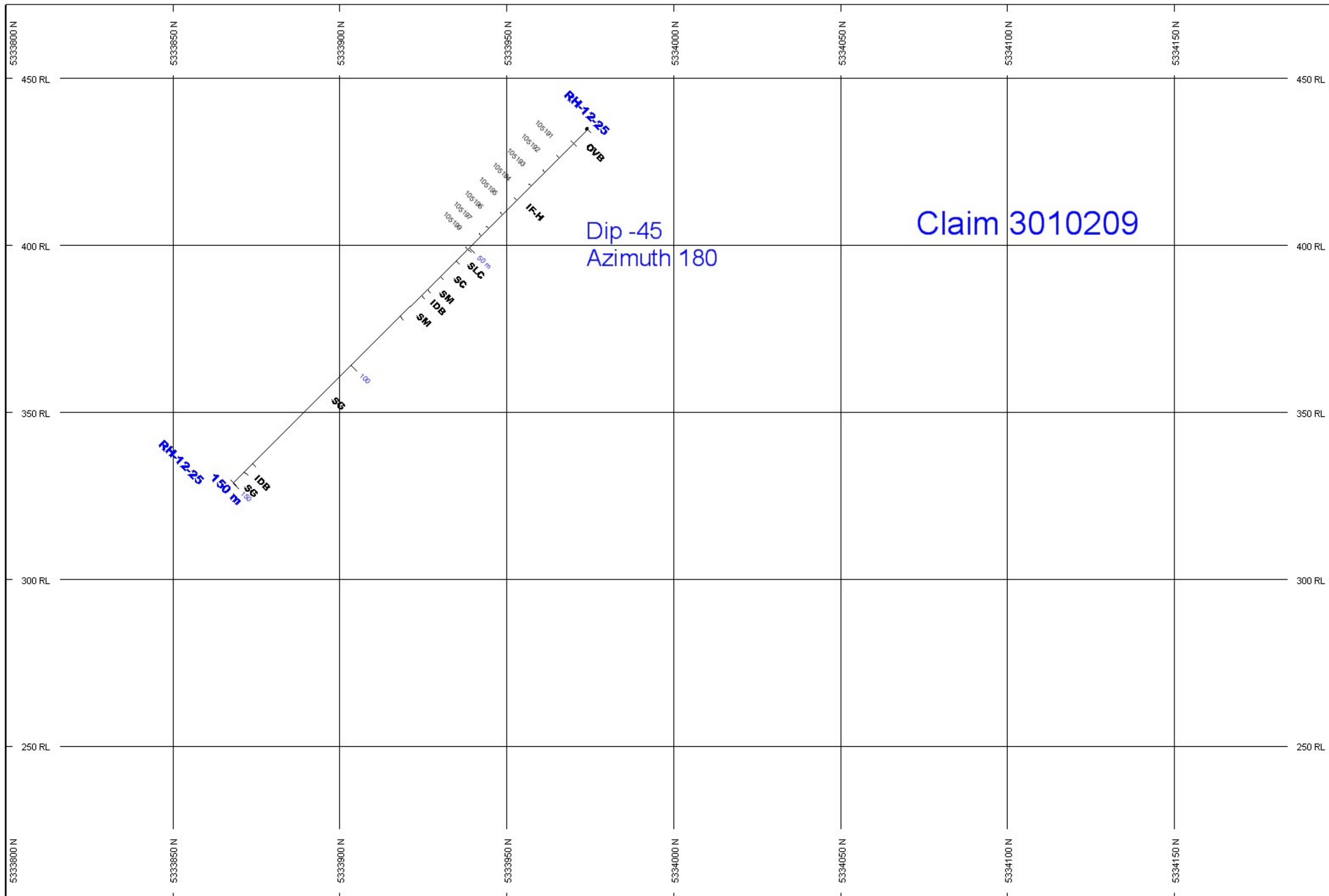
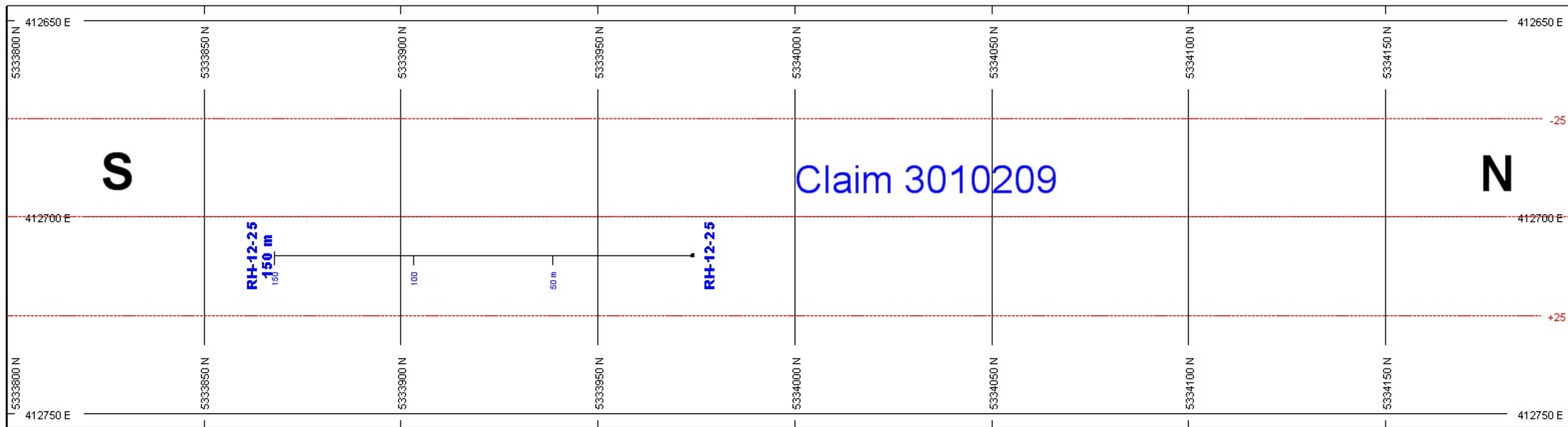


Looking West

ASSAYS	LR	TEXT
Sample	L	----
POSTED TEXT	LR	TEXT ITEMS
Code	R	----

SCALE 1 : 1000

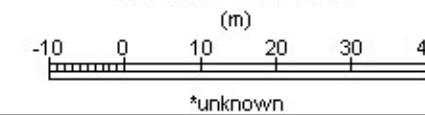
Rogue Resources
Radio Hill
Hole RH12-26 & 27
Section 412575E



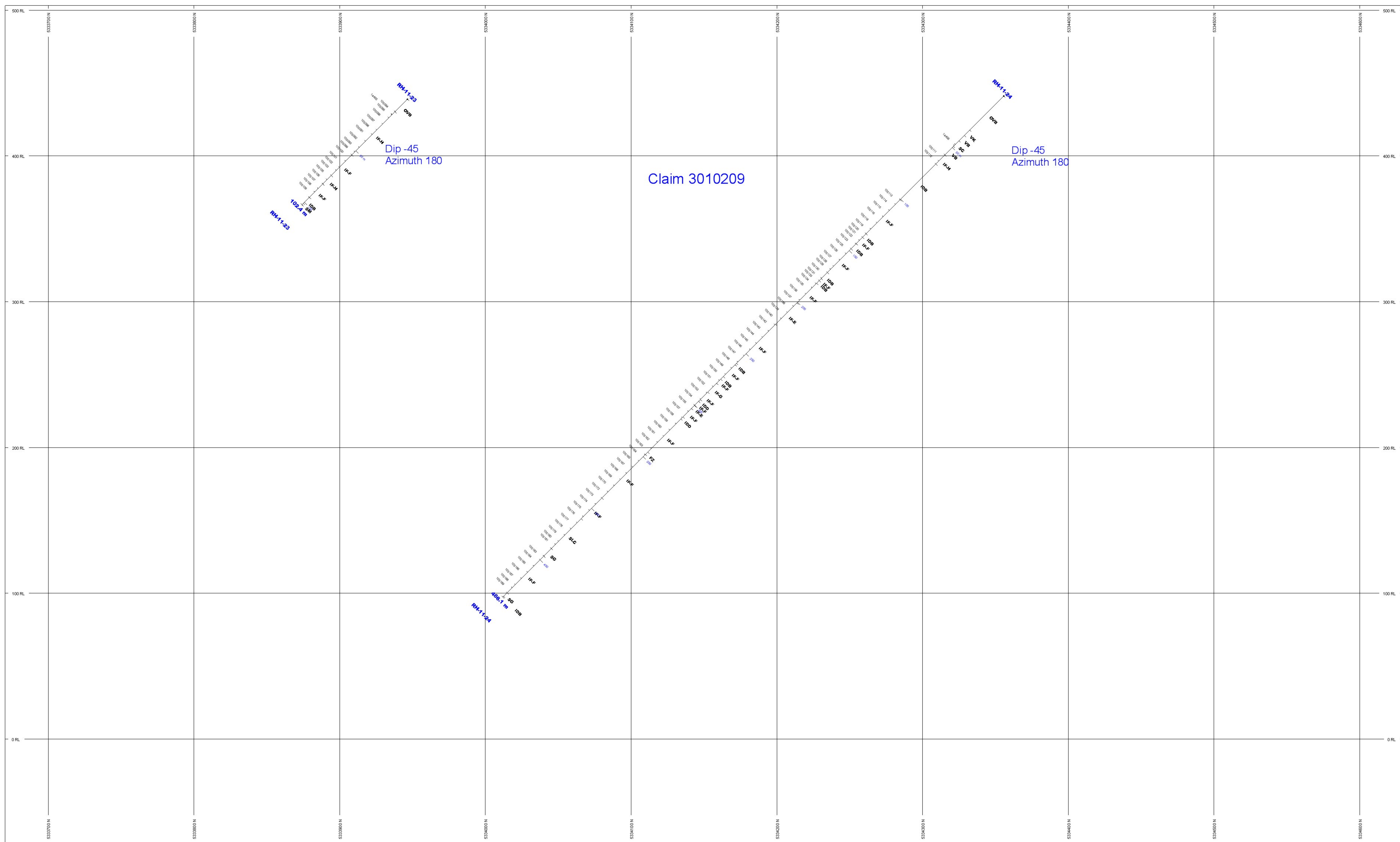
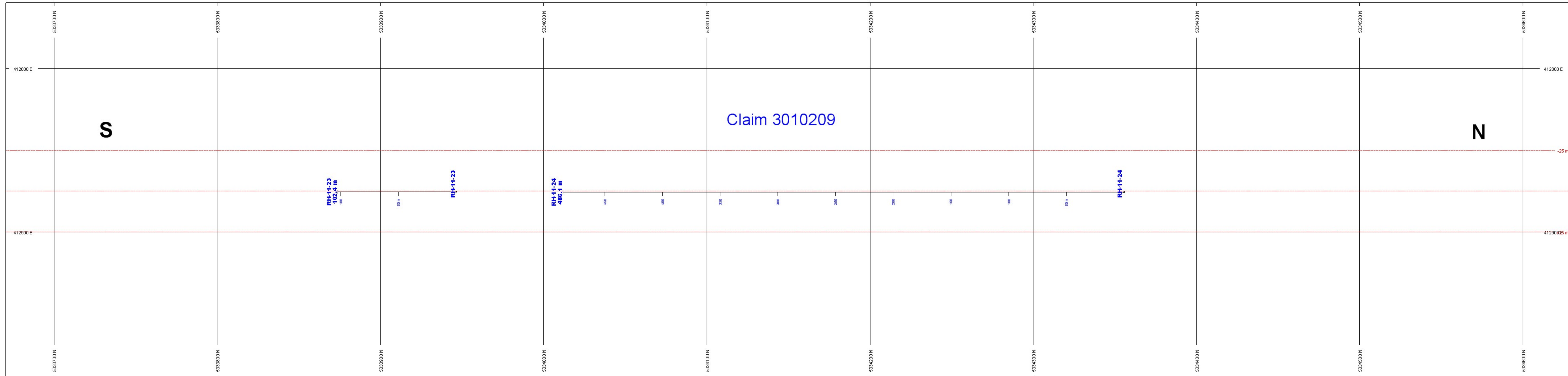
Looking West

ASSAYS	L/R	TEXT	
Sample	L	-----	
POSTED TEXT	L/R	TEXT	ITEMS
Code	R	-----	All

SCALE 1 : 1000



Rogue Resources
Radio Hill
Hole RH12-25
Section 412700E



Looking West

ASSAYS	LR	TEXT
Sample	L	-----
POSTED TEXT	LR	TEXT ITEMS
Code	R	----- AB



Rogue Resources
Radio Hill
Hole RH11-23 & 24
Section 412875E