

Ministry of Energy and Mines
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Technical - Drilling

TOTAL COST: \$392,704.08

AUTHOR(S): Ed Kruchkowski

SIGNATURE(S): 

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): MX-2-2 3 2

YEAR OF WORK: 2016

STATEMENT OF WORK-CASH PAYMENTS EVENT NUMBER(S)/DATE(S): 5633130 Jan 12/2017

PROPERTY NAME: Scottie Gold

CLAIM NAME(S) (on which the work was done): Sum # 1-#38685

COMMODITIES SOUGHT: Gold

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN: 104B_034

MINING DIVISION: Skeena

NTS/BCGS: 104B_030

LATITUDE: 56° 13' 11" LONGITUDE: 130° 05' 43" (at centre of work)

OWNER(S):

1) Red Eye Resources Ltd

2) _____

MAILING ADDRESS:

Box 226,

Stewart BC, V0T 1W0

OPERATOR(S) [who paid for the work]:

1) Rotation Minerals Ltd

2) _____

MAILING ADDRESS:

426 King Street Box 226

Stewart BC, V0T 1W0

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

Massive pyrrhotite-pyrite veins carry significant gold values. Veins are within the Unuk River formation of lower Lower Jurassic age intruded by the Summit Lake stock. This intrusive is part of the Texas Creek plutonic suite of early Jurassic age.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS: _____

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock			
Other			
DRILLING (total metres; number of holes, size)			
Core 1935.36 in 18holes			
Non-core			
RELATED TECHNICAL			
Sampling/assaying 761 assay			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/ PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail 2 km of drill trail			
Trench (metres)			
Underground dev. (metres)			
Other			
TOTAL COST:			\$392,704.20

**Assessment Report On
SCOTTIE GOLD PROPERTY**

**Sum #1 Mineral Claim # 338685
Summit Lake # 8 Crown Grant Claim #6406**

Statement of exploration# 5633130

**Located
50 kilometres North of
Stewart, British Columbia in the
Skeena Mining Division**

**NTS 104B/1E
LATITUDE 56 14' N
LONGITUDE 130 03"W**

**On Behalf of
Rotation Minerals Ltd
Stewart, BC**

by

Edward Kruckowski, B.Sc., P. Geo.

April 15, 2017

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SUMMARY

The Scottie Gold property is located approximately 50 kilometers north of Stewart, British Columbia in the Skeena Mining Division. The Company is purchasing a 100% interest in the property from Red Eye Resources Ltd. The property is comprised of two MGS claim covering approximately 106.87 hectares and 213.08 hectares in 14 Crown Granted claims. The claim area extends along the west side of the pass separating the Salmon River drainage from the Bowser River drainage.

The claim lies within a belt of Jurassic volcanic rocks which extends from the Kitsault area (south of Stewart), north to the Stikine River area. The belt is a host to numerous precious and base metal deposits in a variety of geological settings including past producers Snip, Granduc, Premier-Big Missouri mines as well as Eskay Creek. In addition, ore reserves have been reported from a number of other properties including the Silver Coin, Red Mountain, Brucejack Lake – Suphurets area and Georgia River.

The property is located along volcanic rocks on the boundary with the Summit Lake stock, part of the Texas Creek Plutonic suite in the Stewart Area. This suite of rocks is related to alteration and mineralization at the former producing Premier mine (produced 2,000,000 oz gold) 20 km south of the property and the KSM copper-gold porphyries and Brucejack Lake gold deposits

(Valley of the Kings deposit contains 1.2 million ounces of gold in the measured mineral resource category (two million tonnes grading 19.3 g/t gold); 7.5 million ounces of gold in the indicated mineral resource category (13.4 million tonnes grading 17.4 g/t gold); and, 4.9 million ounces of gold in the inferred mineral resource category (5.9 million tonnes grading 25.6 g/t gold - WWW.Sedar.com) 20 kilometres north of the property.

The Scottie Gold mine was developed to mine three zones, “M”, “N” and “O”. The mine operated from October 1981 to February 1985. During operations, 2,967,748 grams Au (95,426 ounces) were recovered from 183,147 tonnes (201,462 tons) milled. Base metal and silver values were generally low and not recovered.

Most of the production was from the sub-vertical “M” Zone where a 24.4 to 91.5 m long shoot was mined between the 2950 and 3700 levels. Average width of the zone varied between 1.4 and 2.8 metres.

At shutdown, mine personnel calculated the mine hosted a geological resources of 132,306 tons averaging 0.560 opt Au. These resources estimates do not follow the required disclosure for reserves and resources as outlined in National Instrument 43-101 as they were prepared in the 1980’s prior to the implementation of the instrument.

At least thirteen zones of gold bearing quartz-carbonate sulphide (pyrite- pyrrhotite +/- chalcopyrite +/- galena +/- sphalerite) veining occur on the property. These veins appear to be localized along complex, sub-parallel shear or fracture zones related to the emplacement of the Summit Lake Pluton. Within these veins highly anomalous gold values occur in shoots. Base metal and silver values are in general, only slightly to moderately enriched. The style of mineralization is characteristic of those deposits classified as being intrusion related mesothermal veins.

In June 1 to October 31, 2016, a total of 2648.78 meters of diamond drilling was completed in 21 holes from 5 different pads. A total of 1935.36 m of drilling was completed on the Sum # 1 claim. Diamond drilling was carried out on an area called the “C” and “D” zones in previous work. This area is 2 km NE of the mine workings and is readily accessible through the nearby mine access roads. Drilling was conducted on the “C” zone in the area of historic gold assays that included 35.93 g/t over 1.74 m and 72.20 over 0.76 m in 2 separate veins. On the “D” zone located 50 m from the “C” zone, historic sampling yielded gold values of 198.64 g/t over 0.73 m and 27.79 g/t over 1.52 m. A 1946 drill hole intersected 67.11 g/t gold over 1.0 m. *The reader is cautioned that the above results are historic and have not been confirmed by the Company. These are being used for reference purposes and should not be relied upon.* A total 713.42 m of drilling was completed on the Summit lake # 8 Crown Granted claim. Drilling on the Crown Grant tested areas of silicification with close spaced pyrite veins carrying minor pyrrhotite.

The best results on the Sum # 1 claim were in DDH-SG-16 -4 which intersected up to 1.13 m of 31.54 g/t gold. Drilling indicated that both the “C” and “D” vein dip to the NW and future drilling should be directed from north side of the structures. Both zones were intersected near

surface by low angle holes but steeper angled holes were not drilled deep enough. Low gold values were obtained in the drilling on the Crown Granted claim.

An exploration program including trenching, sampling, mapping and further diamond drilling is recommended for the Scottie Gold property. Work should expand on the previous work west along the “S” vein above the 4000 level and the newly discovered 6 oz. vein. Much of the area, west of the underground workings was covered by ice during the mining operation. Trenching is recommended, particularly along the ‘S’ vein with follow-up diamond drilling. Work should also expand on the area of the “D” vein at its intersection with the “C” vein.

The total cost of the program is estimated to be \$1,000,000.00.

INTRODUCTION

Rotation Minerals Ltd is buying a 100% interest in the Scottie Gold property. This report is being prepared in order to summarize the 2016 drill results on the property.

Location and Access

The Scottie Gold Property is approximately centred at latitude 56 degrees 14’ N, longitude 130 degrees 03’W occurring on National Topographic Sheet 104 B1. This Property is located 50 kilometres north of Stewart, BC, in the Skeena Mining Division. Access to the site is via an all-weather mine road that connects the town of Stewart with the former Granduc mine site. Mine access trails to various levels are present on the property site.

Access to the upper portions of property is via helicopter based in Stewart.

Physiography and Topography

In general the property is typified by the precipitous slopes of the Coast Mountains. It is situated along the north and west shores of the former Summit Lake. Local relief varies from 850 metres to over 2,150 metres at the top of Morris Summit. The west shore of the former Summit Lake is rugged with slopes varying from 25 to 45 degrees. The north end of the property is relatively flat occupying the pass between the Salmon River and Bowser River watersheds. Vegetation at the lower elevations consists of spruce and pine trees along with juniper bushes. At the higher elevations the property is bare, with abundant permanent snow cover, glacier ice and outcrop.

Property Ownership

The property consists of approximately 319.95 hectares in 16 claims; 14 Crown Granted claims and 2 Modified Grid System claims. Relevant claim information is presented below:

Table 1-Scottie Gold Property: Claims and Crown Grants

Name	Status	Record #	Units	Hectares	Expiry
Sum # 1	Mineral Claim	338685	6	9.58	Jan 14/24
Scot #4	“	250851	6	97.29	Jan 14/24
	2		12	106.87	
Summit Lake # 2	Crown Grant	6297	1	15.69	July 1/2017
Summit Lake # 8	“	6406	1	20.61	July 1/2017
Summit Lake # 7 Fr	“	6405	1	7.83	July 1/2017
Summit Lake # 6	“	6301	1	20.10	July 1/2017
Summit Lake # 5	“	6300	1	19.65	July 1/2017
Prince # 1	“	6407	1	18.65	July 1/2017
Summit Lake # 3	“	6298	1	4.93	July 1/2017
Prince # 2	“	6408	1	16.57	July 1/2017
Summit Lake # 1	“	6296	1	15.69	July 1/2017
Prince Fraction	“	6412	1	6.88	July 1/2017
Prince # 6	“	6411	1	17.20	July 1/2017
Prince # 5	“	6410	1	20.90	July 1/2017
Prince # 4	“	6409	1	20.90	July 1/2017
Summit Lake # 4	“	6299	1	7.48	July 1/2017
	14			213.08	
		Total	26	319.95	

Claim location is shown in Figure 3 copied from MINFILE database. The claim is situated in the Skeena Mining Division in the Province of British Columbia. The property is 100 % owned by Red Eye Resources Ltd subject to a sale agreement with Rotation Minerals Ltd.

Previous Work

The previous activities are briefly summarized below:

2010 – 2016 Data compilation, site investigation, limited sampling underground, start of environmental studies, discussions with government agencies, evaluation of condition of on-site milling and crushing equipment and pre-feasibility studies.

2009 Purchase of property by Red Eye Resources Ltd from Pinnacle Mines Ltd. (Tenajon Resources Corp sold property as part of divestiture of holdings in Stewart area)

2006	A 31 hole drill program to test underground and surface zones with 3,650 m of underground drilling completed. A new zone, called the R zone was discovered 137 m south of the M zone.
2005	19 underground diamond drill holes totaling 2,028 m in length tested the continuity along strike and down-dip of the L, M and N zones. This program successfully expanded all three zones. In the M zone, several high grade intercepts were encountered with the zone remaining open to the west and along strike. A 43-101 report was prepared on the property that was completed in early 2006, prior to the completion of the 2006 drilling.
2004	A 14 hole underground drill program was completed that tested the M and N zones and a secondary target, the L zone. Minor prospecting was undertaken with highly encouraging results.
2003-2004	Tenajon personnel undertook a data review of the Scottie gold mine property (Summit Lake Property). Several targets were identified in the vicinity of existing workings and elsewhere on the property.
1985-2003	Limited exploration completed at the Scottie gold property (Summit Lake Gold Mine) on the C and other zones by Royal Scot Mines and Tenajon Resources Corp.
1981-1985	95,426 ounces gold were recovered from 201,462 tons milled (average grade of 0.474 opt) from the M, N and O zones. Most of the production was from the M zone. Recovery rate in the last quarter of operation was between 92 and 95%. Due to the drop in the gold price to \$300/ounce and high interest rates, the mine was shut down. At shutdown, reserves in all categories, not 43-101 compliant, were calculated at 132,306 tons averaging 0.56 opt Au.
1980	Feasibility study undertaken with gold at \$660/ounce. Decision made to place property into production.
1978	Scottie Gold Mines formed to develop the property.
1928-1978	Intermittent exploration completed that included drilling and drifting.
1928	Initial discovery of gold bearing veins located at Summit Lake.

Personnel and Operations

During the drill program, all personnel were accommodated in Stewart, BC. Supplies and personnel were transported from Stewart in pick-up trucks to the drill area staging via the Granduc road and drill access trails. Two drills, a B-10 underground drill and JKS drill with a B-10 drill head drill owned by Sunbeam Drilling of Stewart capable of drilling BTW sized core was used to complete the drilling. DDH-2016-SC-1-17 and 21 were completed by the underground drill while the JKS drill completed DDH-2016-Sc-18 to 20 inclusive. A 325 Caterpillar excavator and D-6 Caterpillar bulldozer provided by Kasum tractor of Stewart moved the drills and created the drill roads.

E. Kruchkowski, geologist located the drill holes and logged the core.

GEOLOGICAL SETTING

Regional Geology

The Scottie Gold property lies along the eastern edge of the Coast Crystalline Complex within the western boundary of the Bowser Basin. Rocks in the area belong to the Mesozoic Stuhini Group, Hazelton Group and Bowser Lake Group that have been intruded by plugs of both Cenozoic and Mesozoic age. Portions of the Stewart area are underlain by Triassic age Stuhini Group (Greig, C.F, 1994). The Stuhini Group rocks are either underlying or in fault contact with the Hazelton Group. These Triassic age rocks consist of dark gray, laminated to thickly bedded silty mudstone, and fine to medium grained and locally coarse-grained sandstone. Local heterolithic pebble to cobble conglomerate, massive tuffaceous mudstone and thick-bedded sedimentary breccia and conglomerate also form part of the Stuhini Group.

At the base of the Hazelton Group is the lower Lower Jurassic Marine (submergent) and non-marine (emergent) volcanoclastic Unuk River Formation. This is overlain at steep discordant angles by a second, lithologically similar, middle Lower Jurassic volcanic cycle (Betty Creek Formation), in turn overlain by an upper Lower Jurassic tuff horizon (Mt. Dilworth Formation). Middle Jurassic non-marine sediments with minor volcanics of the Salmon River Formation unconformably overlie the above sequence.

The lower Lower Jurassic Unuk River Formation forms a north-northwesterly trending belt extending from Alice Arm to the Iskut River, BC. Grove describes this formation as being green, red and purple volcanic breccia, volcanic conglomerate, sandstone and siltstone with minor crystal and lithic tuff, limestone, chert and minor coal. Also included in the sequence are pillow lavas and volcanic flows.

Alldrick has divided the Unuk River Formation into six members as follows:

1. Lower Andesite Member: >500 metres of massive to well-bedded ash tuff.
2. Lower Siltstone Member: 50 to >200 metres of thin-bedded dark grey to black argillite and siltstone.

3. Middle Andesite Member: >1500 metres of dust tuff, ash tuff, lapilli tuff and minor tuff breccia with interbedded graded sandstone and siltstone; massive pyroxene-phyric flows near the top of the member.
4. Upper Siltstone Member: 50 to >1000 metres of carbonaceous thin-bedded argillite, siltstone, sandstone; local basal conglomerate and coralline limestone.
5. Upper Andesite Member: 2000 metres of massive tuff with minor flows and local lenses of sediments.
6. Premier Porphyry Member: Orthoclase-megacrystic, plagioclase-hornblende-phyric andesite flows and tuff-breccia.

In the property area, the Unuk River Formation is unconformably overlain by middle Lower Jurassic rocks from the Betty Creek Formation. The Betty Creek Formation is another cycle of trough filling sub-marine pillow lavas, broken pillow breccias, andesitic and basaltic flows, green, red, purple and black volcanic breccia, with self erosional conglomerate, sandstone and siltstone and minor crystal and lithic tuffs, chert, limestone and lava.

The upper Lower Jurassic Mt. Dilworth Formation consists of a thin sequence varying from black carbonaceous tuffs to siliceous massive tuffs and felsic ash flows. Minor sediments and limestone are present in the sequence. Locally pyritic varieties form strong gossans.

The Middle Jurassic Salmon River Formation is a late to post volcanic episode of banded, predominantly dark colored siltstone, greywacke, sandstone, intercalated calcarenite rocks, minor limestone, argillite, conglomerate, littoral deposits, volcanic sediments and minor flows. Overlying the above sequences are the Upper Jurassic Bowser Lake Group rocks. These rocks mark the western edge of the Bowser Basin and are also located as remnants on mountaintops in the Stewart area. These rocks consist of dark gray to black clastic rocks including silty mudstone and thick beds of massive, dark green to dark gray, fine to medium grained arkosic litharenite.

According to E.W. Grove, the majority of the rocks from the Hazelton Group were derived from the erosion of andesitic volcanoes subsequently deposited as overlapping lenticular beds varying laterally in grain size from breccia to siltstone. Alldrick's work to the north of Stewart has shown several volcanic centers in the surveyed area. Lower Jurassic volcanic centers in the Unuk River Formation are located in the Big Missouri Premier area and in the Brucejack Lake area. Volcanic centers within the Lower Jurassic Betty Creek Formation are located in the Mitchell Glacier and Knipple Glacier areas. A portion of Alldrick's mapping for the BC Geological Survey which covers the property and adjacent areas is presented in Figure 3.

The Texas Creek Plutonic Suite in the Stewart-Unuk-Iskut area is comprised of a group of Early Jurassic granodioritic stocks, dykes, sills and a batholith. Alldrick (1993) believed the suite to be emplaced in a shallow volcanic setting below and within coeval andesitic stratovolcanos. The Premier Porphyry Dykes, dated at 194.8 ± 2 Ma, are characterized by potassium feldspar megacrysts and plagioclase and hornblende phenocrysts in a fine-grained to aphanitic groundmass (Alldrick, 1993). Only the lower members of the Unuk River Formation are cut by the dykes, which are thought to be subvolcanic feeders to the extrusive

Premier Porphyry Member. The dykes are generally altered to a sericite-carbonate±chlorite±pyrite assemblage and are spatially associated with district mineralization.

In the Stewart area, the Early to Middle Eocene Hyder Plutonic Suite consists of a batholith and satellite stocks and dykes lying east of the main Coast Plutonic Complex. The Hyder plutonic rocks are genetically related to the Coast Plutonic intrusives having similar mineralogy and textures. The Hyder Dykes form prominent swarms of regional extent and randomly distributed, isolated dykes, particularly along the Portland Canal dyke swarm. Four dyke phases were recognized by Alldrick (1993): granodiorite porphyry, aplite, microdiorite, and lamprophyre dykes.

The Hazelton Group has been folded into north-northwest trending, doubly plunging syncline/anticline pairs with subvertical axial planes. Clastics of the Salmon River Formation occupy the cores of the synclines and display disharmonic tight to isoclinal folds at many scales (Alldrick, 1993).

Faults are abundant at both local and regional scales in the Stewart area. Alldrick (1993) described five groups of major faults:

- regional-scale north-striking, subvertical, ductile to brittle faults.
- northerly-striking moderately west-dipping normal and reverse faults.
- southeast to northeast striking brittle, subvertical "cross" faults with strong but narrow foliation envelopes and up to a kilometre of lateral offset.
- decollement surfaces or bedding plane slips near the base of the Salmon River Formation, due to ductility contrast with underlying dacitic volcanics during folding.
- mylonite bands at various orientations, a few metres wide at most.

This belt of Hazelton Group rocks is a host to numerous precious and base metal deposits in a variety of geological settings including past producers Anyox, Snip, Scotty Gold, Granduc and Premier-Big Missouri mines as well as the recently closed Eskay Creek mine. In addition, ore reserves have been reported from a number of other properties including Silver Coin, Big Missouri-Martha Ellen, Red Mountain, and Brucejack Lake – Sphurets Creek-Mitchell Creek, Homestake Ridge area and Georgia River. Deposits within the belt have been divided into two main distinct groups on the basis of metal suites and age. The first group includes the numerous Au-Ag±Cu vein and porphyry deposits that are associated with 193-198 Ma porphyritic intrusives of the Texas Plutonic Suite. The second includes Ag-rich galena-sphalerite vein systems related to biotite granodiorite intrusions of Middle Eocene age. Massive sulphide deposits are also present in different ages of the Jurassic volcanic rocks including Anyox and Granduc which are Besshi type VMS deposits in the Unuk River Formation. The Eskay Creek mine was a VMS deposit with epithermal gold-silver overprinting in Salmon River Formation just at the contact with the Mount Dilworth Formation. The BA project is a Kuroko type VMS deposit that has been explored in the Salmon River Formation just above felsic rocks analogous with the Mount Dilworth Formation.

Figure 4 shows a generalized map of the Scottie Gold mine area.

Local Geology

The property geology is extracted from a 2004 report by Dave Visage as follows:

“The Summit Lake Property is primarily underlain by Unuk River Formation rocks that on the westernmost portions of the property have been intruded by coarse grained granodiorite (Summit Lake Stock). The crown grants, Sum #1 and Scot #4 mineral claims are largely underlain by Middle Andesite Member rocks locally consisting of matrix-supported andesitic tuff breccias and lapilli tuffs with intercalated ash tuffs, volcanic sandstones and volcanic conglomerates. The tuffs are massive and vary from coarse ash tuffs to fine-grained crystal-rich tuffs composed of plagioclase and plagioclase-pyroxene-hornblende phenocrysts. Two kilometres northeast of the mine, thin-bedded siltstones of the Lower Siltstone Member trend north, dip vertically and have tops to the east. Two kilometres west of the mine, several outcrops of thin-bedded Upper Siltstone Member wacke strike southeast, and dip steeply northeast with tops to the northeast. Bedding has not been recognized within the mine workings.

The mine sequence is intruded on the west by the Summit Lake stock, a coarse grained equigranular to subtly potassium feldspar porphyritic hornblende granodiorite. It crops out 1,650 feet to the west of the mine workings. The pluton has not been intersected in drill holes or underground workings so the closest approach to the ore zones is unknown, but is probably less than 1,650 feet. Although contact relationships indicate relatively passive emplacement, the pluton has produced a distinctive metasomatic alteration assemblage. Near the contact with the stock, the andesite is bleached and impregnated with fine to very coarse grained accessory hornblende (up to 3 cm long) and minor fine pyrite. The bleaching is due to carbonate \pm sericite flooding. Middle Andesite Tuff, Upper Siltstone Member and Upper Andesite Tuffs underlie the Bow Claim from west to east.

The Middle Andesite Tuff consists of volcanic conglomerate and lesser green lapilli tuff. The conglomerates consist of pebbles of hornblende porphyry in exposures around the Bend Vein and towards the Tide Lake airstrip to the north. Further south, near the Blueberry Vein, this unit consists of enigmatic green feldspar and hornblende bearing fragmental rocks. This unit is overlain by Upper Siltstone Member rocks locally consisting of thin bedded to laminated argillite interbedded with siltstone to fine feldspathic sandstone. The turbidite has good graded bedding and load structures that frequently provide top indicators. The Upper Andesite Tuff unit varies from lapilli tuff to a tuff breccia. It is green to rust weathered and contains prominent hornblende, plagioclase and lesser biotite. Fragments are weakly to moderately flattened and are matrix supported. This unit appears to be a succession of subaerial ash flow and hot avalanche deposits that are best exposed on the west side of the Bowser River. In the northwest corner of the Bow claim the units are intruded by Summit Lake granodiorite.

Green microdiorite dikes and dark brown lamprophyre dikes of the Berendon dike swarm intrude both the country rock and ore zones. The lamprophyre dikes are spessartite with fresh, fine hornblende phenocrysts and calcite-filled amygdules.”

Deposit Types

The project area is considered prospective for a number of deposit styles. The possible deposit types for the Scottie Gold property are as follows:

1. Intrusion Related Thermal Aureole Gold-Copper Veins and Stockworks

These intrusion related deposits are characterized by shear hosted quartz-pyrite veins and stockworks within and marginal to Texas Creek intrusions. Also includes pyritic breccias along intrusive contacts. Mineralization is syn-intrusive and forms along the thermal brittle-ductile transition envelope surrounding subvolcanic intrusions. Late magma movement generates local shearing and fracturing. Convecting hydrothermal fluids then precipitate gold-rich iron sulphides and gangue as an echelon vein sets and stockworks. Metal and alteration patterns are consistent with the distal portions of porphyry Cu-Au system. Alteration consists of an inner potassic zone of sericite-pyrite-quartz and an outer potassic zone where pyrite is replaced by pyrrhotite. Anomalous (>0.3 g/t Au) gold-silver mineralization develops at the transition from the pyrite to the pyrrhotite-dominant alteration zones. Examples of this type include the Snip Gold Mine (960,000 t @ 28.5g/t Au) and Johnny Mountain (207, 000 t @ 14.1g/t Au).

2. Low Sulphidation Epithermal Gold-Silver Veins and Breccia Veins

Epithermal gold-silver base metal veins and breccia veins closely linked to structures and intrusions of the Early Jurassic Texas Creek plutonic suite. These deposits are formed from many pulses of mineralizing fluids localized above a local dome in the underlying Texas Creek batholith. Mixing of cool, meteoric groundwater with hot sulphur, chlorine and metal-bearing magmatic fluids is the most likely mechanism for base metal and gold-silver deposition. The deposits form shear hosted, en echelon sets of quartz-carbonate-chlorite-K-Feldspar+/-sulphide veins developed at the faulted margin of intrusions, as vein stockwork peripheral to breccia zones and as complex quartz-carbonate+/-sulphide-cemented breccia veins. Alteration is characterized by an inner siliceous zone, followed by an outer potassic (sericite) zone and more distal carbonate and chlorite zones. Examples of this deposit style include Silbak Premier (5.88 Mt @ 10.6lt Au and 227glt Ag) and Big Missouri 768,943t @ 2.37glt Au and 2.13glt Ag). In the Stewart area, the newly defined Silver Coin deposit is another example of a deposit hosted in low sulphidation epithermal gold-silver veins and breccia veins. It has a measured and indicated 24.1 MT at a grade of 1.08 g/t Au and 5.74 g/t Ag and an inferred 32.4 MT grading 0.78 g/t gold and 6.41 g/t Ag. The Brucejack Lake deposits also are examples of this type of mineralization. These host a measured and indicate 107mt @2.86 g/t Au and 25.8 g/t Ag and an inferred 600mt @1.09 g/t Au and 10.2 g/t Ag.

3. Polymetallic silver-base metal epithermal veins plus or minus gold.

Sulphide rich veins containing sphalerite, galena silver and sulphosult minerals occur in carbonate and quartz gangue. These veins can be subdivided into those hosted by metasediments and another group hosted by volcanic or intrusive rocks. Veins are emplaced along faults and fractures in sedimentary basins dominated by clastic rocks that have been deformed, metamorphosed and intruded by igneous rocks. Galena, sphalerite, tetrahedrite-tennantite and other sulphosults, native silver, chalcopyrite, pyrite, arsenopyrite, stibnite are typical minerals within the veins. Some veins contain more chalcopyrite and gold at depth and Au grades are normally low for the amount of sulphides. Principal gangue minerals include quartz, calcite, ankerite, chlorite, and subordinate sericite, rhodochrosite, barite and fluorite. The Porter-Idaho property in the Stewart area is an example of this type of mineralization. In 1989, non-compliant 43-101 reserves were 826,400 tonnes grading 668.5 grams per tonne silver, 5 per cent lead and 5 per cent zinc. Between 1922 and 1950, 27,268 tonnes of ore were periodically mined from the underground workings of the Prosperity and Porter Idaho mines. The production came from the D, Prosperity and Blind veins, and averaged 0.986 grams per tonne gold, 2692.1 grams per tonne silver, 5.08 per cent lead, 3,853 per cent zinc and 0.101 per cent copper.

4. Intrusion Related Gold-Silver-Copper Skarns

Skarn and vein-style mineralization occur along faults within brittle, calcareous rocks adjacent to Eocene biotite granodiorite to biotite-quartz monzonite. High gold silver ratios and pyrrhotite dominated sulphide assemblages are characteristic of early Jurassic intrusive-related Au-pyrrhotite deposits. The Snippaker Creek skarns are examples of this deposit style.

Production

The Scottie Gold mine was initially developed to mine three zones called the; M, N and O. Other zones called the L and the newly discovered R zone have not had any extensive development. These zones lie along a mineralized zone up to 200 metres wide that trends west beneath a glacier. The mine operated from October 1981 to February 1985. During operations, 2,967,748 grams Au (95,426 ounces) were recovered from 183,147 tonnes (201,462 tons) milled. Base metal and silver values were generally low and not recovered. It closed in 1985 due to several factors including:

- The nearby Granduc mine operation closed in 1984 leaving Scottie Gold with the sole cost of keeping the road open rather than sharing the cost with the adjoining operation
- The mine also only operated at an average milling production of 135 tonnes/day, below the rated 200 tonne/day capacity
- Records in 1983 indicate an 89.87% gold recovery so loss of gold did not appear to influence the mine closure
- High interest payments

- Low price of gold.

The “M” and “N” Zones are accessible from the 3000 Level mine workings. There has been no development of the “L” Zone located 45.7 m to the south of the “N”. In 2004 and 2005, 32 underground drill holes totaling 3299 m in length were drilled that tested the “M”, “N” and “L” Zones. Drilling of the “M” Zone was completed up to 91.5 m west of the main workings. The drilling showed the area to host a series of gold bearing shoots with the zone being open along strike to the west. In addition, limited drilling below the main workings, shows high-grade gold values to extend to the 2800 Level. The “O” Zone, located 450 feet northeast of the “M” Zone, is the original discovery showing at the property. Limited production was achieved from the “O” Zone on the 3600 Level. Most of the production was from the sub-vertical “M” Zone where a 24.4 to 91.5 m long shoot was mined between the 2950 and 3700 levels. Average width of the zone varied between 1.4 and 2.8 metres. The “N” Zone is located 45.7 m south of the “M”. During operations, limited mining was completed between the 3000 and 3300 Levels on a shoot that varies from 18.6 to 60.1 m in length. The average width of the zone is approximately 1.52 m. The 2004/05 drilling showed the zone to continue at least 91.5 m below the workings with the deepest hole, #728, intersecting a 2.07 m true width intercept averaging 8.62 g/t Au at the 2700 Level. The zone is open at depth and in part along strike.

The “L” Zone is located approximately 45.7 m southwest of the “N” Zone. Limited drilling has intersected the zone over a 91.5 m strike length, over a 60.1 m elevation with the zone being open along strike and dip. The width of the zone is variable to 3.51 m. The grade is highly variable possibly reflecting shoots within a vein structure.

In 2006, underground drilling discovered the “R” zone located 137 m SW of the “M” zone with an intersection of 1.4 m grading 11.34 gpt Au.

At shutdown in 1985, mine personnel calculated that the mine hosted a geological resources of 132,306 tons averaging 0.560 opt Au. These resources estimates do not follow the required disclosure for reserves and resources as outlined in National Instrument 43-101 as they were prepared in the 1980’s prior to the implementation of the instrument.

The following resource was calculated by Gary Giroux from Vancouver based on drilling up to early 2006. It does not include the drilling completed in the summer of 2006.

Table 2: Resource for Scottie Gold Property

Veins	Category	Tonnes	Grade Au g/t	Grade Ag g/t	Ounces Gold	Ounces Silver
L,M,N and O	Indicated	20,100	9.91	4.32	6,400	2,800
L,M,N and O	Inferred	203,000	8.40	4.25	54,800	27,800

The above resources have not been verified by the Company and are not considered 43-101 compliant as they are not compliant with present standards of reporting. These estimates are historical and are used for reference purposes only. A qualified person has not done sufficient work to classify the historical estimate as current mineral resources. The issuer is not treating the historical estimate as current mineral resources. The issuer has examined all the historical drill data, sampling plans and production records and believes that the historical estimates are relevant. The issuer will need to complete drill holes to verify the historical reserves in order to upgrade the estimates to make them compliant with 43-101 standards.

Mineralization

Mineralization on the property is associated with the Summit Lake stock, part of the Texas Creek Plutonic suite in the Stewart Area. This suite of rocks is related to alteration and mineralization at the former producing Premier mine (produced 2,000,000 oz gold) 20 km south of the property and the KSM copper-gold porphyries and Brucejack Lake gold deposits (Valley of the Kings deposit contains 1.2 million ounces of gold in the measured mineral resource category (two million tonnes grading 19.3 g/t gold); 7.5 million ounces of gold in the indicated mineral resource category (13.4 million tonnes grading 17.4 g/t gold); and, 4.9 million ounces of gold in the inferred mineral resource category (5.9 million tonnes grading 25.6 g/t gold - WWW.Sedar.com) 20 kilometres north of the property.

Mineralization on the property occurs along the hornfelsed margins of the Summit Lake stock. The mineralization consists of numerous mineralized quartz-carbonate-sulphide bearing zones, with numerous individual veins forming an en echelon or ladder vein pattern within a 200 metre width and up to at least 300 metre depth of depth. The individual veins, which are up to 7 metres wide and average 2 metres wide, show variable sulphide content.

The veins contain lenses of massive sulphide, consisting largely of pyrrhotite and pyrite, with lesser sphalerite, chalcopyrite, galena, arsenopyrite, tetrahedrite and gold. The veins occur along near vertical fracture systems and are bordered by siliceous replacement zones with poorly defined walls. Gangue minerals include quartz, carbonate, sericite, chlorite, minor epidote and trace clinozoisite.

At least thirteen zones of gold bearing quartz-carbonate sulphide (pyrite- pyrrhotite +/- chalcopyrite +/- galena +/- sphalerite) veining occur on the property. These veins appear to be localized along complex, sub-parallel shear or fracture zones related to the emplacement of the Summit Lake Pluton. Within these veins highly anomalous gold values occur in shoots. Base metal and silver values are in general, only slightly to moderately enriched. The style of mineralization is characteristic of those deposits classified as being intrusion related mesothermal veins. Figure 5 shows the location of the various zones.

One zone called the “S” zone was discovered in 1983 near the ice edge, NW of the 3600 level portal. Trenching during this period indicated high gold values with 0.3 m of 93.22 g/t and 0.6 m of 36.61 g/t Au respectively. The zone was only traced over a short distance due to overburden and ice. A series of drill holes were completed in 1983 in order to evaluate this zone. Drilling was restricted by the presence of ice to the west and steep terrain to the east. Drilling towards the SE was successful in intersecting numerous pyrrhotite-pyrite-gold bearing veins. A summary of these drill holes are shown in the table below:

Table 3 1983 “S” Vein intersections

DDH-83-3 Azimuth 165 degrees -70 degree angle		
Depth (m)	Width (m)	Au g/t
9.82	0.884	79.32
21.49	0.39	16.14
30.42	2.53	30.51
38.41	0.61	97.36
DDH-83-4 -90 degree angle		
6.85	0.61	31.32
25.45	1.67	34.07
30.18	0.76	13.18
128	0.67	85.84

In 2016, surface sampling was conducted in the area of the “S” vein, northwest from the 3600 level portal. Several high grade gold-silver veins were located. The most prominent vein is from 0.4 to 2.0 m wide and was traced for 100 metres (the vein is open on its western end). The vein strikes 90 degrees and has a vertical dip. Three samples (SC-134, 135 and 142) were collected from the vein; each consisted of several grabs concentrated on bands of massive sulphides which included pyrrhotite with minor galena and chalcopyrite.

- Sample SC-134 assayed 5.1 ppm Au, 44.9 ppm Ag, 2218 ppm As, 1894 ppm Cu, 1785 ppm Pb and 3013 Zn.
- Sample SC-135 yielded 4.15 ppm Au, 67.7 ppm Ag, 4905 ppm As and 1289 ppm Cu.
- Sample SC-142 assayed **150.67 ppm Au**, 106 ppm Ag, 1061 ppm Cu and 7859 ppm Zn.

Another area for follow-up is called the Six Oz. zone located along the SW edge of the property. One of the float samples (SC-105) returned as much as 186.6 g/t gold (6 oz/t gold). The zone, located right on the property boundary consists of several veins and shear zones composed of sericite, carbonate and quartz with variable amount of pyrrhotite, pyrite, arsenopyrite, chalcopyrite, galena and sphalerite. Sample KMSG-28, a grab from a 1.0 m wide robust quartz-sericite-sulphides vein gave 11.21 ppm Au, 122.3 ppm Ag, >1% As and 3984 ppm Zn. Sample KMSG-31, a grab from discontinuous shear zone with semi-massive pyrite and galena returned 6.79 ppm Au, 185.1 ppm Ag, >1% Pb and >1% Zn.

DRILLING

In June 1 to October 31, 2016, a total of 2648.78 meters of diamond drilling was completed in 21 holes from 5 different pads. A total of 1935.36 m of drilling was completed on the Sum # 1 claim. Diamond drilling was carried out on an area called the “C” and “D” zones in previous work. This area is 2 km NE of the mine workings and is readily accessible through the nearby mine access roads.

Prior to drilling, drill access trails were completed to the various sites. Two drills, a B-10 underground drill and JKS drill with a B-10 drill head drill owned by Sunbeam Drilling of Stewart capable of drilling BTW sized core was used to complete the drilling. DDH-2016-SC-1-17 and 21 were completed by the underground drill while the JKS drill completed DDH-2016-Sc-18 to 20 inclusive.

Drilling was conducted on the “C” zone in the area of historic gold assays that included 35.93 g/t over 1.74 m and 72.20 over 0.76 m in 2 separate veins. On the “D” zone located 50 m from the “C” zone, historic sampling yielded gold values of 198.64 g/t over 0.73 m and 27.79 g/t over 1.52 m. A 1946 drill hole intersected 67.11 g/t gold over 1.0 m. *The reader is cautioned that the above results are historic and have not been confirmed by the Company. These are being used for reference purposes and should not be relied upon.* A total 713.42 m of drilling was completed on the Summit Lake # 8 Crown Granted claim. Drilling on the Crown Grant tested areas of silicification with close spaced pyrite veins carrying minor pyrrhotite.

A summary of hole azimuths, dips and total depths are shown in the table below:

Table 4: Drill Hole Summary

Drill Hole Number	Co-ordinate		Azimuth Degrees	Dip Degrees	Final Depth
	East	North			
SG-16-1	433072	6232262	345	0	174.70
SG-16-2	433072	6232262	345	-10	174.39
SG-16-3	433072	6232262	345	-30	183.84
SG-16-4	433072	6232262	345	-40	62.80
SG-16-5	433072	6232262	345	-45	81.10
SG-16-6	433072	6230057	327	-35	78.35
SG-16-7	433072	6230057	327	-50	95.43
SG-16-8	433062	6232215	345	0	167.99
SG-16-9	433062	6232215	345	-10	46.04
SG-16-10	433062	6232215	345	-20	52.74
SG-16-11	433062	6232215	345	-30	52.44
SG-16-12	433062	6232215	345	-40	64.63
SG-16-13	433062	6232215	345	-50	49.39
SG-16-14	433099	6232219	009	-10	134.76
SG-16-15	433099	6232219	009	-20	153.05
SG-16-16	433099	6232219	355	0	92.38

SG-16-17	433099	6232219	355	-10	116.77
SG-16-18	432380	6230794	310	-45	218.60
SG-16-19	432479	6230827	340	-45	248.78
SG-16-20	432479	6230827	045	-45	246.04
SG-16-21	433099	6232219	355	-30	154.57

Total 2648.78m

Figure 6 shows the area of drilling relative to the claim boundaries. Figure 7 is a plan map showing DDH-SG-16-1to17 inclusive and DDH-SG-16-21. Figure 8 is a plan map showing DDH-SG-18 to 20 inclusive. DDH-SG-16-1to17 inclusive and DDH-SG-16-21 were drilled to test a surface exposure of a wide zone containing altered rocks with veins and stockworks of sulphides. The zone is in an overburden covered area and was exposed by drill pad building activities. It consists of massive pyrrhotite veins and stringers containing minor chalcopyrite cut by later narrow pyrite veins. Molybdenum and visible gold has been noted in one area of an exposed massive pyrrhotite vein. Overall width of this new alteration zone appears to be 7-8 m. Drilling from this location was initially intended to intersect the “C” vein and as a result, intersections on this new zone start near the drill collars.

ICP analyzes of grab sampling from this zone in the area of the drill pads indicates 2 separate mineralizing events. Assays for 4 samples from one of the sulphide bearing phases indicates an average of 0.5 g/t gold with zinc values up to 0.6 % zinc with no molybdenum. The main and widest phase contained a gold assay with up to 447.95 g/t Au with 0.3 % molybdenum but no zinc. The highest grade was from a sample at the farthest south of the exposed area. A total of 21 grab samples were collected from the main zone area over a distance of 15 m and assays ranged from 1.4 g/t gold to the high of 447.95 g/t. The zone had 5 assays in the 20-40 g/t range, 3 assays in the 10-20 g/t range and 11 in the 1-10 g/trange.

DDH-SG-16-1to17 inclusive and DDH-SG-16-21 intersected zones and stringers of massive pyrrhotite and pyrite near the drill collars. The country rock consists of a strongly hornfelsed andesite breccia with variable K-feldspar alteration. Patches and disseminations of pyrrhotite, pyrite and chalcopyrite are common in amounts from 1-10 %. No molybdenite was observed in drill core. Coarse grained granodiorite dykes were noted in DDH-SG-16-1, 14, 17 and 21. Within DDH-SG-16-1, a zone of strong pyrite mineralization was noted in the contacts with the dyke.

DDH-SG-16-14 and DDH-SG-16-17 broke through to surface before hitting the intended targets.

Drilling of DDH-SG-16-18 to 20 inclusive, on the Crown Grant tested areas of silicification with close spaced pyrite veins carrying minor pyrrhotite. DDH-SG-16-18 tested a wide zone of pyrite with lesser pyrrhotite. Minor erytherite was noted in several areas on a mineralized rock face below the drill pad. DDH-SG-16-19-20 tested an area of numerous narrow quartz-sulphide

veins. All the holes encountered silicified andesite breccia with varying degrees of pyrite-pyrrhotite mineralization.

Figure 9 is a map showing a geological cross-section for DDH-SG-16-1-5 inclusive. Figure 10 is a map showing a geological cross-section for DDH-SG-16-6-7 inclusive. Figure 11 is a map showing a geological cross-section for DDH-SG-16-8-13 inclusive. Figure 12 is a map showing a geological cross-section for DDH-SG-16-14-15 inclusive. Figure 13 is a map showing a geological cross-section for DDH-SG-16-16-17 inclusive and DDH-SG-16-21. Figure 14 is a map showing a geological cross-section for DDH-SG-16-18, Figure 15 is a map showing a geological cross-section for DDH-SG-16-19 and Figure 16 is a map showing a geological cross-section for DDH-SG-16-20.

Appendix I shows the complete drill logs for DDH-SG-16-1 to 21 inclusive.

The best results on the Sum # 1 claim were in DDH-SC-16 -4 which intersected up to 1.13 m of 3154 g/t gold. Drilling indicated that both the “C” and “D” vein dip to the NW and future drilling should be directed from north side of the structures. Both zones were intersected near surface by low angle holes but steeper angled holes were not drilled deep enough. Further drilling is recommended to determine strike and dips of these structures. The intersection area of the 2 veins is expected to have enriched gold values. Drilling did not indicate any enhanced molybdenum values. More work is required to determine gold-molybdenum relationship for future exploration, particularly as higher gold seems to be associated with the molybdenum.

Assays greater than 1g/t gold are shown in the table below:

Table 5: Significant Gold Assays

DRILL HOLE	From (m)	To (m)	Width (m)	Au g/t
SG-16-1	7.01	9.76	2.74	1.76
	19.15	19.51	0.37	13.89
	27.90	28.20	0.30	8.14
	37.04	37.50	0.46	5.83
	155.98	156.37	0.40	2.99
	158.08	158.87	0.79	1.17
SG-16-2	16.19	16.49	0.30	12.47
	26.01	26.62	0.61	23.50
	29.73	30.49	0.76	2.47
	85.88	86.43	0.55	1.36
SG-16-3	154.88	161.28	6.4	1.0
	17.68	19.21	1.52	5.08
	20.43	20.79	0.37	9.12
	21.40	22.26	0.85	3.09
	29.88	31.40	1.52	3.22
	40.27	40.91	0.64	3.67
	43.60	44.05	0.46	2.76

SG-16-4	7.16	10.52	3.35	3.42
	55.79	56.92	1.13	31.54
SG-16-5	7.47	9.05	1.65	9.87
	17.13	21.95	4.81	5.18
SG-16-6	7.32	10.98	3.66	1.34
SG-16-7	6.71	11.28	4.57	3.20
	16.92	19.21	2.29	1.15
	19.21	22.26	3.05	8.60
	43.29	43.84	0.55	1.08
SG-16-8	61.89	62.26	0.37	12.27
	82.59	84.30	1.71	2.16
SG-16-9	17.80	18.57	0.76	1.58
SG-16-11	21.73	26.52	4.82	2.63
SG-16-14	66.77	67.16	0.40	14.54
SG-16-15	108.84	109.15	0.30	1.45
SG-16-16	76.68	77.74	1.07	1.99
	83.08	84.60	1.52	1.38

Low gold values were obtained in the drilling on the Crown Granted claim.

Appendix II shows the complete assay results for DDH-SG-16-1 to 21 inclusive.

Core from the drilling program is stored at 426 King Street in core storage facilities owned by Decade Resources Ltd.

INTERPRETATION AND CONCLUSIONS

- The Scottie Gold property is located approximately 50 kilometers north of Stewart, British Columbia in the Skeena Mining Division.
- The property is comprised of two MGS claim covering approximately 106.87 hectares and 213.08 hectares in 14 Crown Granted claims.
- At shutdown, mine personnel calculated the mine hosted a geological resources of 132,306 tons averaging 0.560 opt Au. These resources estimates do not follow the required disclosure for reserves and resources as outlined in National Instrument 43-101 as they were prepared in the 1980's prior to the implementation of the instrument.
- At least thirteen zones of gold bearing quartz-carbonate sulphide (pyrite- pyrrhotite +/- chalcopyrite +/- galena +/- sphalerite) veining occur on the property. These veins appear to be localized along complex, sub-parallel shear or fracture zones related to the emplacement of the Summit Lake Pluton. Within these veins highly anomalous gold values occur in shoots. Base metal and silver values are in general, only slightly to moderately enriched. The style of mineralization is characteristic of those deposits classified as being intrusion related mesothermal veins.

- In June 1 to October 31, 2016, a total of 2648.78 meters of diamond drilling was completed in 21 holes from 5 different pads.
- A total of 1935.36 m of drilling was completed on the Sum # 1 claim. Diamond drilling was carried out on an area called the “C” and “D” zones in previous work.
- A total 713.42 m of drilling was completed on the Summit Lake # 8 Crown Granted claim. Drilling on the Crown Grant tested areas of silicification with close spaced pyrite veins carrying minor pyrrhotite.
- The best results on the Sum # 1 claim were in DDH-SG-16 -4 which intersected up to 1.13 m of 31.54 g/t gold. Drilling indicated that both the “C” and “D” vein dip to the NW and future drilling should be directed from north side of the structures.
- Low gold values were obtained in the drilling on the Crown Granted claim.
- An exploration program including trenching, sampling, mapping and further diamond drilling is recommended for the Scottie Gold property. Work should expand on the previous work west along the “S” vein above the 4000 level and the newly discovered 6 oz. vein.
- An exploration budget of \$1,000,000 is recommended for the project.

RECOMMENDATIONS AND BUDGET

An exploration program including trenching, sampling, mapping and further diamond drilling is recommended for the Scottie Gold property. Trenching and sampling should be carried out on the 6 oz vein area, the “S” vein area and in the area of the 2016 drilling to further define the “C” and “D” veins. It is recommended that a hand held XRF unit be purchased to aid in gold detection as a guide for trenching. Surface trenching should use portable rock cutting saws to obtain samples. In addition a portable drill capable of 6 m holes should be purchased to further test the area of the saw cuts.

Diamond drilling is recommended in the area of the “C” and “D” veins as well as the “S” vein.

Estimated Cost of the Program

2 Geologist, 45 days @ \$600.00/ day	\$54,000.00
2 Field assistant, 45 days @ \$300.00/day	\$27,000.00
Drilling 3000 metres @ \$140.00/ metre (all inclusive)	\$420,000.00
Equipment purchase (XRF and portable drill)	\$70,000.00
Helicopter 100 hour @ \$2000/hour	\$200,000.00
Accommodation and food (in Stewart)	\$50,000.00
Vehicle rental	\$20,000.00
6- wheel drive vehicles	\$20,000.00
Bulldozer/excavator cost	\$40,000.00
Core cutting	\$9,000.00
Assaying 500 samples @ \$37.00/sample	\$18,500.00
Freight	\$15,000.00
Report	\$15,000.00
Drafting	\$5,000.00
Contingency	\$36,500.00
Total	\$1,000,000.00

REFERENCES

- Alldrick D. (1993), Geology and Metallogeny of the Stewart Mining Camp, Northwestern British Columbia, Ministry of Energy, Mines and Petroleum Resources. Bulletin 85, pages 56-64.
- Dick, D.L. (1987), Summit Lake Mine, Royal Scot Resources, Company Report.
- Grove, E.W. (1986), Geology and Mineral Deposits of the Stewart Area, British Columbia, B.C. Ministry of Energy, Mines and Petroleum Resources, Bulletin 58, 229 pages.
- Tribe, N. (1983), Report on the 1983 Field Exploration Program and Underground Drilling Program, Scottie Gold Mines, Summit Lake, B.C., Company Report Prepared for Scottie Gold Mines Ltd.
- Tribe, N. (1984), Report on the 1984 Field Exploration Program-Scottie Gold Mine, Summit Lake, B.C., Company Report Prepared for Scottie Gold Mines Ltd.
- Visagie, D. (1991), 1990 Summary Report-Summit Lake Property, Company Report Prepared for Royal Scot Resources Ltd.
- Visagie, D. (2004), Technical Report "Summit Lake Property, Tenajon Resources Corp. Report.
- Visagie, D. and Gunning, D. (2006), Technical Report for the Summit Lake Property
- Walus, A. A., (2016), 2016 Report on Rock Sampling – Scottie Gold Property.

CERTIFICATE of AUTHORS' QUALIFICATIONS

I, Edward R. Kruchkowski, geologist, residing at 23 Templeside Bay, N.E., in the City of Calgary, in the Province of Alberta, hereby certify that:

1. I received a Bachelor of Science degree in Geology from the University of Alberta in 1972.
2. I have been practicing my profession continuously since graduation.
3. I am a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
4. I am a member of the Association of Professional Engineers and Geoscientists of British Columbia.
5. I am a consulting geologist working on behalf of Rotation Minerals Ltd.
6. This report is based on a review of reports, documents, maps and other technical data on the property area as well as drill supervision and logging of core.
7. I am familiar with these types of deposits having conducted exploration programs on these types of occurrences in the Stewart region.

Date:

E.R. Kruchkowski, B.Sc.

STATEMENT OF EXPLORATION COSTS

E Kruchkowski –June 21 to September 3 2016 (50 days @ \$700/day)	\$35,000.00
Trail supervision, drill supervision and core logging.	
2 pick-up trucks @ \$100.00/day for 50 days	\$10,000.00
3 Polaris ranger-6 wheel drive vehicle @ \$50/day for 50 days	\$7,500.00
Report Writing	\$7,000.00
Drafting	\$2,500.00
Fuel Charges – gasoline and diesel	\$5,500.00
Kasum Tractor equipment for job (includes site preparation – pulling drill to and from site)	\$45,000.00
Trucking of drills and Kasum tractor equipment	\$12,500.00
5 low boy trips from American Creek to and from Stewart	
Drilling 2,648.78m @ \$140/m	\$370,829.20
Assaying 761 samples @ \$35/sample	\$26,635.00
Sample freight plus supply transportation	\$12,000.00
Hotel and Meal Expenses 20 days @ \$150.00/day	\$3,000.00
Total	<u>\$537,464.20</u>

Portion on the Sum # 1 mineral claim(excluding work on the Crown Grant) is 1,935.36 out of the total 2,648.78 m. The portion on the Sum # 1 claim is 1,935.36 divided by 2,648.78 times the total cost.

Cost to be applied is therefore $1,935.36/2,648.78 \times \$537,464.20 = \underline{\underline{\$392,704.08}}$

APPENDIX I DRILL LOGS

DDH-SG-16-1-21 inclusive

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG- 1		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 345 degrees		Start July 11, 2016		Total depth 174.70 m								
Dip 0 degrees		Completion July 13, 2016		Co-ordinate 433072E 6232262N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
Elevation			Dip (degrees)		N/A							
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
13.00	2.13	Air	Space between rock face and drill head									
2.13	19.15	Andesite	@ 2.13 m to 9.76 m - Highly broken, rusty with local	107517	3.96	6.10	2.13	0.232	2.5	309	39	299
		Breccia	poor core recovery	107518	6.10	7.01	0.91	0.074	1.5	268	34	216
				107519	7.01	9.76	2.74	1.756	3.5	1161	24	309
			@ 2.13 m to 9.76 m - local narrow pyrrhotite veinlets,	107520	Blank			0.026	1.0	7	7	72
			approximately 5-6% rock bleached light grey	107521	9.76	11.59	1.83	0.072	2.0	242	6	43
				107522	11.59	13.11	1.52	0.083	2.0	280	11	45
			@ 9.66 m to 9.76 m, massive pyrrhotite vein	107523	13.11	14.63	1.52	0.076	1.5	271	5	28
				107524	14.63	16.16	1.52	0.051	2.0	254	5	29
			@ 9.15 m - core becomes less broken	107525	16.16	17.68	1.52	0.134	2.0	259	5	38
				107526	17.68	19.15	1.46	0.104	2.5	362	5	37
			@ 9.76 m to 19.21 m - Local K-Feldspar alteration -	107527	19.15	19.51	0.37	13.887	16.5	4496	80	2000
			minor narrow pyrrhotite veinlets, approximately 5%	107528	19.51	20.73	1.22	0.53	2.0	377	10	78
			associated with alteration	107529	20.73	22.13	1.40	0.262	2.5	377	8	61
				107530	STD			0.564	2.0	3901	32	76
19.15	19.51	Vein	Narrow banded pyrrhotite, pyrite with minor chalcopyrite -	107531	22.13	22.62	0.49	0.308	3.5	559	28	166
			heavy black chlorite sulphides, approximately 70%	107532	22.62	24.02	1.40	0.175	2.5	331	12	118
			Banding @ 90° to CA	107533	24.02	24.33	0.30	0.063	3.5	309	18	173
				107534	24.33	25.30	0.98	0.054	2.0	221	11	76
19.51	22.13	Andesite	Weakly K-Feldspar alteration, chloritic, light grey to	107535	25.30	26.07	0.76	0.022	1.5	205	14	42
		Breccia	green	107536	26.07	26.37	0.30	0.06	3.0	329	28	109
			minor pyrrhotite veinlets with 1 cm sulphides,	107537	26.37	27.13	0.76	0.02	2.0	242	18	45
			approximately 5%	107538	27.13	27.90	0.76	< 5	2.5	271	16	59
				107539	27.90	28.20	0.30	8.14	10.5	2850	51	622
22.13	22.62	Vein	12 cm of massive pyrrhotite, followed by	107540	Blank			0.04	2.0	14	54	62
			semi-massive minor pyrrhotite approximately	107541	28.20	29.88	1.68	0.74	2.5	386	26	69
			40-50%	107542	29.88	31.40	1.52	0.28	2.5	313	20	49
			minor pyrite	107543	31.40	32.93	1.52	0.42	2.0	239	14	62
22.62	24.02	Andesite	Weakly K-Feldspar alteration, chloritic, light grey to	107544	32.93	34.45	1.52	0.21	2.0	204	14	69

		Breccia	green	107545	34.45	35.98	1.52	0.04	1.5	233	17	65
			minor pyrrhotite, approximately 5%	107546	35.98	37.04	1.07	0.47	2.0	368	16	67
				107547	37.04	37.50	0.46	5.83	5.0	601	20	245
24.02	24.33	Vein	quartz-chlorite pyrrhotite, approximately 40-50%	107548	37.50	39.02	1.52	0.33	1.5	239	9	65
			traces of chalcopyrite	107549	39.02	40.55	1.52	0.13	1.5	149	7	59
				107550	STD			0.64	1.0	3158	23	65
24.33	27.9	Andesite	same as above	107551	40.55	42.07	1.52	0.03	0.5	152	7	73
		Breccia	pyrrhotite veinlets approximately 5-6%	107552	42.07	43.60	1.52	0.02	1.0	170	8	33
				107553	43.60	45.12	1.52	0.01	1.0	250	4	22
27.9	28.2	Vein	narrow pyrrhotite veinlets with quartz - sulphides	107554	45.12	46.65	1.52	< 5	1.0	120	3	27
			approximately 40%	107555	46.65	48.17	1.52	0.01	1.0	126	8	25
				107556	48.17	49.70	1.52	0.04	1.0	136	5	28
28.2	37.04	Andesite	grey to green, weakly K-Feldspar alteration	107557	49.70	51.22	1.52	0.07	1.0	127	4	27
		Breccia	pyrrhotite veinlets approximately 5%	107558	51.22	52.74	1.52	0.02	1.0	154	11	33
			@ 36.74 m - 2 cm pyrite vein	107559	52.74	54.27	1.52	0.01	1.0	174	8	33
			weakly chlorite	107560	Blank			0.11	1.4	1	14	56
				107561	54.27	55.79	1.52	0.04	1.5	254	20	55
37.04	37.5	Vein	Weakly pyrite + pyrrhotite minor, approximately	107562	55.79	57.32	1.52	0.02	1.5	174	8	28
			15% @ 45 ° to CA	107563	57.32	58.84	1.52	0.03	0.5	149	9	66
				107564	58.84	60.21	1.37	0.14	1.0	132	24	41
37.5	156.13	Andesite	generally grey, weakly K-feldspar alteration	107565	108.69	110.21	1.52	0.04	1.0	144	18	31
		Breccia		107566	110.21	111.10	0.88	0.09	0.5	215	8	135
			@ 53.35 m to 60.21 m - weakly silicified with minor	107567	142.68	143.05	0.37	0.50	1.0	120	13	21
			pyrrhotite	107568	143.05	144.05	1.01	0.84	1.0	599	11	40
				107569	144.05	145.73	1.68	0.08	1.0	91	5	24
			@ 60.21 m - rock becomes dark green , chloritic	107570	STD			0.61	0.5	2635	21	55
			unit, minor pyrrhotite	107571	145.73	147.26	1.52	0.12	0.5	92	10	18
				107572	147.26	148.78	1.52	0.07	1.0	89	12	17
			@ 108.69 m to 110.21 m - weakly K-Feldspar	107573	148.78	150.30	1.52	0.05	1.0	82	10	41
			alteration, silicified with pyrrhotite patches +	107574	150.30	151.83	1.52	0.07	1.0	117	11	26
			stringers, approximately 8-10%	107575	151.83	153.35	1.52	0.09	1.0	108	14	25
				107576	153.35	154.88	1.52	0.06	1.0	98	9	26
			@ 110.21 m to 110.52 m - quartz vein with chlorite,	107577	154.88	155.98	1.10	0.33	11.6	120	26	53
			minor pyrrhotite	107578	155.98	156.37	0.40	2.99	1.0	1065	564	5177
				107579	156.37	156.71	0.34	0.26	2.5	191	66	764
			@ 61.89 m to 71.04 m - rusty on fractures	107580	Blank			0.03	<0.5	<1	7	62
				107581	156.71	158.08	1.37	0.18	1.9	258	51	460
			minor quartz - calcite stockwork @ 45° and 0° to CA	107582	158.08	158.87	0.79	1.17	3.5	510	123	2901
			stockwork approximately 3%	107583	163.26	165.06	1.80	0.28	1.2	145	14	115
				107584	166.06	166.46	0.40	0.04	1.2	121	7	28

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-2		Core Size BTW		Logged by: Ed Kruchkowski									
Azimuth 345 degrees		Start July 14, 2016		Total depth 174.39 m									
Dip -10 degrees		Completion July 16, 2016		Co-ordinate 433072E 6232262N									
Reflex Survey			Depth (m)										
			Azimuth (degrees)		N/A								
			Dip (degrees)		N/A								
Elevation													
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM					
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm	
0.00	1.83	Air		107588	1.83	2.44	0.61	0.08	1.6	221	13	58	
				107589	2.44	2.90	0.46	0.25	2.7	312	178	1072	
1.83	26.01	Andesite	@ 1.83 m to 4.88 m - Highly broken	107590	STD			0.57	0.8	3644	25	55	
		Breccia		107591	2.90	3.66	0.76	0.05	1.2	311	7	41	
			rusty, poor core recovery	107592	5.49	5.49	0.00	0.05	1.2	231	10	58	
				107593	6.34	6.34	0.00	0.95	2.0	716	34	196	
			weak sericite alteration, pyrite with minor pyrrhotite	107594	8.23	8.23	0.00	0.04	1.2	229	6	25	
			+ chalcopryrite	107595	9.76	9.76	0.00	0.27	1.2	290	13	33	
				107596	11.28	11.28	0.00	0.03	0.8	249	6	23	
			@ 2.44 m to 2.90 m - massive pyrrhotite + pyrite	107597	12.80	12.80	0.00	0.03	1.2	211	4	18	
			veinlets, approximately 25%	107598	12.80	14.33	1.52	0.38	1.2	211	5	11	
				107599	14.33	15.85	1.52	0.01	1.2	209	3	10	
			@ 3.66 m to 5.49 m - poor core recovery	107600	Blank			0.19	0.8	<1	4	47	
				107601	15.85	16.19	0.34	0.08	1.2	313	6	21	
			@ 5.49 m to 6.34 m - narrow pyrrhotite veinlets	107602	16.19	16.49	0.30	12.47	5.8	1145	99	3079	
			approximately 15%	107603	16.49	17.38	0.88	0.12	1.2	285	7	33	
				107604	17.38	18.90	1.52	0.11	0.8	250	7	28	
			@ 9.30 m - 10 cm massive pyrrhotite, minor pyrite	107605	18.90	20.43	1.52	0.09	1.2	218	7	24	
			vein	107606	20.43	21.95	1.52	0.02	1.6	215	8	29	
				107607	21.95	23.48	1.52	0.02	1.2	240	9	41	
			@ 16.198 m to 16.49 m - massive to semi-massive	107608	23.48	25.00	1.52	0.02	1.2	257	9	87	
			pyrrhotite veinlets, approximately 40%	107609	25.00	26.01	1.01	0.06	1.2	303	7	32	
				107610	STD			0.68	1.9	3146	24	45	
			@ 24.70 m to 40.24 m - quartz with epidote in	107611	26.01	26.62	0.61	23.50	19.7	2335	91	825	
			veinlets, approximately 5%	107612	26.62	27.44	0.82	0.57	2.4	576	12	72	
				107613	27.44	28.05	0.61	0.34	3.2	1216	16	153	
			quartz-calcite @ 1.83 m - 40.24 m is approximately	107614	28.05	29.73	1.68	0.14	1.9	244	9	369	
			5-6%	107615	29.73	30.49	0.76	2.47	9.1	2334	33	1227	

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-3		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 345 degrees		Start July 16, 2018		Total depth 183.84 m								
Dip -30 degrees		Completion July 19, 2016		Co-ordinate 433072E 6232262N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
Elevation			Dip (degrees)		N/A							
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION STRUCTURE DESCRIPTION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO			Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	0.91	Space										
0.91	183.84	Andesite	generally grey/green coarse breccia, chloritic with	107642	0.91	2.44	1.52	0.05	1.6	181	14	76
		Breccia	5-6% quartz-calcite stockwork	107643	2.44	3.20	0.76	0.06	1.6	212	19	82
			minor pyrite along veinlets, approximately 4%	107644	3.20	4.12	0.91	0.46	10.3	224	8	90
				107645	4.12	5.18	1.07	0.27	8.6	251	846	3202
			@ 1.83 m to 7.01 m - intense K-Feldspar alteration	107646	5.18	5.95	0.76	0.10	1.6	248	30	134
			with veinlets of pyrrhotite, strong chlorite	107647	5.95	6.83	0.88	0.27	1.2	414	23	125
			pyrrhotite approximately 10%	107648	6.83	8.54	1.71	0.03	0.8	270	19	62
				107649	8.54	10.06	1.52	0.02	0.8	234	15	100
			@ 2.44 m to 3.20 m - pyrite + pyrrhotite	107650	STD			0.53	1.2	3753	27	82
			approximately 12%	107651	10.06	11.59	1.52	0.05	1.2	340	9	71
				107652	11.59	13.11	1.52	0.09	1.2	241	13	73
			@ 20.43 m - 10 cm chalcopyrite + pyrrhotite for 15 cm	107653	13.11	14.63	1.52	0.01	0.8	244	8	73
				107654	14.63	16.16	1.52	0.01	<0.5	287	6	65
			@ 21.79 m to 21.40 m - quartz veining,	107655	16.16	17.68	1.52	0.01	1.2	258	8	58
			approximately 10% with 10% pyrrhotite along veinlets	107656	17.68	19.21	1.52	8.08	1.2	232	10	44
				107657	19.21	20.43	1.22	0.02	18.3	269	6	49
			@ 29.88 m to 30.06 m - quartz, chlorite with 20%	107658	20.43	20.79	0.37	9.12	1.6	6145	312	2559
			pyrrhotite @ 45 ° to CA	107659	20.79	21.40	0.61	0.35	<0.5	509	22	122
				107660	blank			0.06	2.8	25	5	88
			@ 31.25 m - 3 cm massive pyrrhotite veinlet	107661	21.40	22.26	0.85	3.09	0.8	1739	57	451
				107662	22.26	23.78	1.52	0.07	0.8	168	13	79
			@ 31.40 m to 40.27 m - green strong epidote	107663	23.78	25.30	1.52	0.00	<0.5	204	6	55
			alteration	107664	25.30	26.83	1.52	0.02	1.2	216	8	67
			minor pyrrhotite	107665	26.83	28.35	1.52	0.05	1.2	242	18	89
			@ 40.27 m to 44.05 m - massive pyrrhotite veins	107666	28.35	29.88	1.52	0.05	4.0	248	16	77
			approximately 15%	107667	29.88	31.40	1.52	3.22	1.6	921	39	195
				107668	31.40	32.93	1.52	0.02	1.2	276	6	70

		@ 40.55 m to 40.91 m - 40% pyrrhotite veins	107669	32.93	34.45	1.52	0.03	1.2	181	5	61
			107670	STD			0.51	0.8	3308	23	74
		@ 40.91 m to 41.62 m - 15% pyrrhotite veinlets	107671	34.45	35.98	1.52	0.01	1.2	200	10	71
			107672	35.98	37.50	1.52	0.01	1.2	199	7	53
		@ 48.17 m - decrease in K-Feldspar alteration	107673	37.50	39.02	1.52	0.03	1.2	215	17	57
			107674	39.02	40.27	1.25	0.04	1.2	211	9	30
		@ 78.60 m to 78.90 m - quartz vein with pyrrhotite + sphalerite, approximately 15%	107675	40.27	40.91	0.64	3.67	13.2	2944	25	563
		conatct @ 45 ° to CA	107676	40.91	41.62	0.70	0.77	3.6	959	13	78
			107677	41.62	42.07	0.46	0.10	0.8	423	11	66
			107678	42.07	43.60	1.52	0.90	2.4	972	12	54
		@ 79.12 m - weakly brecciated with 10% quartz + calcite stockwork	107679	43.60	44.05	0.46	2.76	2.8	717	17	587
			107680	Blank			0.05	0.8	8	5	47
		quartz-calcite veins up to 2 cm	107681	44.05	45.12	1.07	0.15	1.2	194	15	70
			107682	45.12	46.65	1.52	0.26	1.2	224	13	53
		minor pyrrhotite on fractures	107683	46.65	48.17	1.52	0.02	1.5	141	4	50
			107713	78.35	79.12	0.76	0.23	2.0	323	12	477
		@ 92.23 m to 92.99 m - strong quartz-calcite stockwork with minor pyrrhotite in veinlets	107684	132.01	133.54	1.52	0.05	2.0	183	4	40
			107685	133.54	135.06	1.52	0.04	2.0	142	4	45
		local K-Feldspar alteration	107686	135.06	136.59	1.52	0.04	2.0	118	3	40
			107687	136.59	138.11	1.52	0.05	2.4	113	3	42
		@ 134.76 m - Increase in K-feldspar alteration	107688	138.11	139.63	1.52	0.04	1.6	121	3	36
			107689	139.63	141.16	1.52	0.61	1.2	129	4	36
		@ 148.32 m to 167.07 m - zone of quartz-breccia and shearing	107690	STD			0.61	1.2	3164	21	48
			107691	141.16	141.77	0.61	0.02	2.4	313	10	55
			107692	141.77	142.68	0.91	0.02	1.2	143	3	25
		@ 148.32 m to 151.83 m - predominately quartz breccia	107693	142.68	144.21	1.52	0.02	1.6	169	4	31
			107694	144.21	145.73	1.52	0.01	1.6	102	4	27
			107695	145.73	147.26	1.52	0.03	1.9	116	4	21
		@ 154.27 m to 154.57 m - massive pyrrhotite veins	107696	147.26	148.78	1.52	0.05	2.3	132	5	37
			107697	148.78	150.30	1.52	0.06	2.0	132	3	62
		@ 167.07 m to 183.84 m - weakly K-Feldspar, chlorite, pyrrhotite approximately 5%	107698	150.30	151.83	1.52	0.06	1.9	177	3	45
			107699	151.83	153.35	1.52	0.02	1.9	180	4	54
			107700	Blank			0.02	0.8	3	3	23
		quartz-calcite stockwork, approximately 10%	107701	153.35	154.27	0.91	0.19	2.1	131	5	43
			107702	154.27	154.57	0.30	0.09	4.4	1355	10	9
			107703	154.57	155.03	0.46	0.08	2.0	167	3	63
		EOH 183.84 m	107704	155.03	156.40	1.37	0.11	1.6	153	4	68
			107705	156.40	157.93	1.52	0.10	2.0	180	4	76
			107706	157.93	159.45	1.52	0.03	2.0	152	3	87
			107707	159.45	160.98	1.52	0.04	1.9	110	3	73

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-4		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 345 degrees		Start July 19, 2016		Total depth 62.80 m								
Dip - 40 degrees		Completion July 20, 2016		Co-ordinate 433072E 6232262N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
			Dip (degrees)		N/A							
Elevation												
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION STRUCTURE DESCRIPTION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO			Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.66	Casing										
			@ 3.66 m to 4.88 m - broken rubble with massive									
3.66	62.80	Andesite	pyrrhotite fragments	107714	3.66	4.88	1.22	0.04	4.7	284	8	128
		Breccia		107715	4.88	5.34	0.46	0.23	2.8	252	34	154
			variably sericite/ K-Feldspar alteration with strong	107716	5.34	6.25	0.91	0.07	2.0	144	10	136
			quartz-calcite stockwork, approximately 15%	107717	6.25	7.16	0.91	0.18	2.7	245	8	99
				107718	7.16	8.54	1.37	5.98	3.6	453	12	71
			light to dark grey	107719	8.54	10.52	1.98	1.65	2.0	307	5	45
				107720	BLANK			0.12	1.2	7	5	69
			local coarse pyrrhotite veins and patches	107721	10.52	12.04	1.52	0.12	2.0	183	3	58
				107722	12.04	12.50	0.46	0.09	1.6	180	5	92
			rusty on fractures	107723	12.50	14.02	1.52	0.10	<0.5	229	9	97
				107724	14.02	15.55	1.52	0.16	0.8	257	37	108
			@ 5.18 m to 5.34 m - massive pyrrhotite vein	107725	15.55	17.07	1.52	0.15	0.8	218	7	86
				107726	17.07	18.60	1.52	0.10	1.2	232	6	91
			@ 10.55 m to 12.04 m - coarse blebs of chalcopyrite,	107727	18.60	20.12	1.52	0.06	0.8	253	4	120
			pyrrhotite veinlets up to 10 cm - sulphides	107728	20.12	21.19	1.07	0.09	<0.5	234	4	107
			approximately 25%	107729	21.19	21.65	0.46	0.16	1.2	213	10	91
				107730	STD			0.90	0.8	3525	25	81
			@ 12.04 m to 12.50 m - strong pyrrhotite veining @	107731	21.65	23.17	1.52	0.10	1.2	238	6	73
			12.04 m for 15 cm	107732	23.17	24.70	1.52	0.05	<0.5	217	4	67
				107733	24.70	26.22	1.52	0.06	<0.5	216	5	81
			@ 12.50 m to 41.30 m - strong K-Feldspar/ sericite	107734	26.22	27.74	1.52	0.05	2.0	345	6	21
			alteration, with 5-8% pyrrhotite veinlets	107735	27.74	29.27	1.52	0.04	1.6	199	3	21
				107736	29.27	30.79	1.52	0.04	1.2	191	5	27
			@ 41.31 m to 41.77 m - pyrrhotite approximately 15%	107737	30.79	32.32	1.52	0.22	1.6	223	8	23
				107738	32.32	33.84	1.52	0.05	1.6	214	19	38
			@ 41.77 m to 54.80 m - strong alteration with 5%	107739	33.84	35.37	1.52	0.03	1.2	243	15	33

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-5		Core Size BTW		Logged by: Ed Kruchkowski									
Azimuth 345 degrees		Start July 20, 2016		Total depth 81.80									
Dip -45 degrees		Completion July 21, 2016		Co-ordinate 433072E 6232262N									
Reflex Survey			Depth (m)										
			Azimuth (degrees)										
			Dip (degrees)										
Elevation													
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION		SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION		Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.66	Casing			107760	Blank			0.01	<0.5	<1	6	54
					107761	3.66	4.88	1.22	0.05	2.0	175	11	117
3.66	81.10	Andesite	Highly sheared, alteration with strong K-Feldspar/		107762	4.88	5.64	0.76	0.05	1.9	166	12	90
		Breccia	sericite alteration		107763	5.64	6.10	0.46	0.48	2.4	172	16	152
			highly broken at 3.66 m to 18.60 m		107764	6.10	7.47	1.37	0.25	2.0	210	11	135
					107765	7.47	8.29	0.82	14.19	3.6	368	12	37
			@ 7.16 m to 7.47 m - massive vuggy massive		107766	8.29	8.75	0.46	0.52	1.2	177	5	16
			pyrrhotite vein		107767	8.75	9.05	0.30	12.26	2.3	530	11	10
					107768	9.05	11.28	2.23	0.32	1.2	205	5	29
			@ 7.47 m to 8.29 m - massive pyrrhotite veins up to		107769	11.28	12.20	0.91	0.05	1.5	195	7	113
			10 cm, approximately 40% coarse pyrite veinlets		107770	STD			0.96	0.8	3061	23	48
			post pyrrhotite, minor chalcopyrite		107771	12.20	14.02	1.83	0.02	1.2	214	7	46
					107772	14.02	15.55	1.52	0.03	0.8	186	8	53
			@ 8.29 m to 11.28 m - strong quartz-chalcopyrite		107773	15.55	17.13	1.59	0.26	1.2	225	44	102
			stockwork, approximately 15% - minor pyrrhotite		107774	17.13	18.60	1.46	3.28	3.6	665	18	24
			veinlets approximately 10%		107775	18.60	20.27	1.68	8.77	3.1	442	8	63
					107776	20.27	20.95	0.67	5.32	2.0	316	7	38
			@ 17.13 m to 17.74 m - massive vuggy pyrrhotite		107777	20.95	21.95	1.01	1.87	0.8	283	10	56
			vein		107778	21.95	23.17	1.22	0.07	1.2	208	5	25
			@ 17.74 m to 20.27 m - narrow massive pyrrhotite		107779	23.17	24.70	1.52	0.03	0.8	234	5	16
			veinlets up to 15 cm, approximately 25% of zone		107780	Blank			0.02	0.8	<1	3	48
					107781	24.70	26.22	1.52	0.04	0.8	173	6	12
			@ 20.27 m to 39.63 m - altered with 10% quartz -		107782	26.22	27.74	1.52	0.13	0.8	167	6	14
			calcite stockwork, approximately 10% pyrrhotite		107783	27.74	29.27	1.52	0.12	<0.5	129	4	12
					107784	29.27	30.79	1.52	0.11	0.8	174	6	14
			@ 36.63 m to 41.31 m - massive to semi-massive		107785	30.79	32.32	1.52	0.21	0.8	203	7	22
			pyrite-pyrrhotite-chalcopyrite		107786	32.32	33.84	1.52	0.15	1.6	243	111	479
					107787	33.84	35.37	1.52	0.06	0.8	171	11	30

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-6		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 327 degrees		Start July 22, 2016		Total depth 78.35 m								
Dip - 35 degrees		Completion July 22, 2016		Co-ordinate 433072E 6232257N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
			Dip (degrees)		N/A							
Elevation												
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION STRUCTURE DESCRIPTION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO			Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.66	Casing										
3.66	78.35	Andesite	@ 3.66 m to 5.18 m - 10% core recovery	107799	3.66	5.18	1.52	0.04	<0.5	270	10	29
		Breccia		107800	Blank			0.02	<0.5	4	12	28
			@ 5.30 m to 5.55 m - massive to semi-massive	107801	5.18	5.55	0.37	0.06	1.2	190	8	61
			pyrrhotite, approximately 50%	107802	5.55	6.40	0.85	0.27	1.6	218	23	183
				107803	6.40	7.32	0.91	0.09	1.7	229	7	75
			@ 5.55 m to 6.40 m - narrow weathered stringers	107804	7.32	8.54	1.22	1.74	1.9	389	18	87
			of sulphides, approximately 10%	107805	8.54	9.30	0.76	0.61	2.4	1090	16	10
				107806	9.30	9.85	0.55	1.51	1.6	207	4	28
			@ 6.40 m to 7.32 m to minor pyrrhotite veinlets	107807	9.85	10.98	1.13	1.31	2.5	1301	16	40
				107808	10.98	11.59	0.61	0.08	0.8	153	4	16
			@ 7.32 m to 8.54 m - patches of coarse pyrrhotite	107809	11.59	12.80	1.22	0.10	1.2	283	8	19
			5-7 cm veinlets of pyrrhotite, minor chalcopyrite,	107810	STD			0.53	0.8	2889	20	44
			minor later pyrite- sulphides approximately 20%	107811	12.80	14.33	1.52	0.12	1.2	195	8	29
				107812	14.33	15.24	0.91	0.06	1.6	214	32	89
			@ 8.08 m to 8.23 m - quartz -calcite vein with minor	107813	15.24	15.70	0.46	0.02	1.2	210	6	74
			pyrrhotiite	107814	15.70	16.16	0.46	0.02	0.8	183	5	25
				107815	16.16	16.52	0.37	0.10	1.6	230	29	51
			@ 8.54 m to 9.30 m - semi-massive to massive	107816	16.52	17.38	0.85	0.07	1.2	221	10	34
			pyrrhotite, pyrite with minor chalcopyrite	107817	17.38	18.90	1.52	<0.01	<0.5	205	4	18
				107818	18.90	20.43	1.52	0.01	<0.5	186	3	36
			@ 9.30 m to 9.85 m - minor pyrrhotite veinlets @	107819	20.43	21.95	1.52	0.09	1.2	169	5	29
			40° to CA	107820	Blank			<0.01	<0.5	1	5	37
				107821	21.95	23.48	1.52	0.07	1.6	215	68	140
			@ 9.85 m to 10.24 m - massive pyrrhotite vein	107822	23.48	25.00	1.52	0.02	1.6	242	4	43
				107823	25.00	26.52	1.52	0.02	1.2	211	19	106
			@ 10.24 m to 10.98 m - massive pyrrhotite veinlets,	107824	26.52	28.05	1.52	<0.01	1.2	149	7	31
			approximately 30%, up to 10 cm wide	107825	28.05	29.57	1.52	<0.01	0.8	161	5	33
				107826	29.57	31.10	1.52	0.24	1.2	230	13	30

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-7		Core Size BTW		Logged by: Ed Kruchkowski									
Azimuth 327 degrees		Start July 22, 2016		Total depth 95.43 m									
Dip - 50 degrees		Completion July 23, 2016		Co-ordinate 433072E 6232257N									
Reflex Survey			Depth (m)										
			Azimuth (degrees)										
Elevation			Dip (degrees)										
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION STRUCTURE DESCRIPTION		SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO				Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.66	Casing											
3.66	95.43	Andesite	grey, highly altered , rusty and broken	107860	Blank			0.01	<0.5	2	26	37	
		Breccia		107861	3.66	5.18	1.52	0.05	1.6	112	7	145	
			@ 3.66 m to 5.18 m - poor core recovery,	107862	5.18	6.71	1.52	0.07	1.2	138	12	201	
			approximately 10%	107863	6.71	8.60	1.89	2.51	2.4	222	13	243	
				107864	8.60	9.51	0.91	1.03	1.2	212	5	13	
			@ 5.18 m to 6.71 m - highly weathered, rusty with	107865	9.51	11.28	1.77	5.02	1.2	173	5	18	
			minor pyrrhotite veinlets - grey, K-Feldspar	107866	11.28	11.59	0.30	0.31	1.2	250	6	45	
			alteration, sericitic	107867	11.59	13.87	2.29	0.09	1.2	210	5	51	
				107868	13.87	15.85	1.98	0.05	1.2	185	6	32	
			@ 6.71 m to 8.60 m - stringers of massive pyrrhotite	107869	15.85	16.92	1.07	0.17	2.4	203	25	116	
			approximately 15-20%	107870	STD			0.55	1.2	2936	21	42	
				107871	16.92	19.21	2.29	1.15	5.1	2297	21	78	
			@ 8.60 m to 11.89 m - quartz-calcite stockwork,	107872	19.21	21.34	2.13	10.03	4.5	347	7	35	
			approximately 10%	107873	21.34	22.26	0.91	5.17	2.8	260	8	45	
				107874	22.26	23.48	1.22	0.13	1.2	205	4	23	
			@ 8.60 m to 9.51 m - quartz vein, approximately	107875	23.48	25.30	1.83	0.05	1.2	197	5	23	
			3 cm wide @ 10° to CA - minor pyrrhotite-pyrite	107876	25.30	26.52	1.22	0.02	1.2	245	8	18	
			veinlets	107877	26.52	28.05	1.52	0.09	1.2	216	8	17	
				107878	28.05	29.57	1.52	0.03	0.8	167	5	17	
			@ 9.51 m to 11.28 m - pyrrhotite veinlets,	107879	29.57	32.01	2.44	0.67	1.2	212	6	14	
			approximately 7%	107880	Blank			0.01	<0.5	2	3	28	
				107881	32.01	34.15	2.13	0.44	1.6	243	16	37	
			@ 11.89 m to 17.99 m - highly broken, rusty on	107882	34.15	35.67	1.52	0.06	2.0	148	48	136	
			fractures	107883	35.67	37.50	1.83	0.09	2.0	186	34	114	
				107884	37.50	38.38	0.88	0.25	4.9	375	93	229	
			@ 11.59 m to 14.18 m - 10% pyrrhotite veinlets	107885	38.38	40.24	1.86	0.04	1.2	189	12	28	
			up to 4-5 cm	107886	40.24	41.07	0.82	0.21	2.5	234	54	113	

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-8		Core Size BTW		Logged by: Ed Kruchkowski									
Azimuth 345 degrees		Start July 23, 2016		Total depth 167.99 m									
Dip 0 degrees		Completion July 26, 2016		Co-ordinate 433062E 6232215N									
Reflex Survey			Depth (m)										
			Azimuth (degrees)		N/A								
Elevation			Dip (degrees)		N/A								
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION STRUCTURE DESCRIPTION		SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO				Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.66	Drill to Face			107895	0.00	3.35	3.35	0.01	1.2	225	5	52
					107896	3.35	6.40	3.05	0.01	1.2	264	14	82
3.66	167.99	Andesite	grey to pale grey		107897	6.40	8.54	2.13	0.02	1.6	243	9	98
		Breccia			107898	8.54	8.84	0.30	0.03	2.0	239	<1	60
			weak quartz-stockwork, approximately 3%		107899	8.84	9.30	0.46	0.05	1.9	110	10	253
					107900				<0.01	<0.5	5	1	45
			rusty on fractures, highly weathered		107901	9.30	9.76	0.46	0.04	2.0	125	8	77
					107902	9.76	10.15	0.40	0.04	2.0	177	17	97
			@ 8.63m - 10% pyrrhotite veinlets		107903	10.15	10.61	0.46	0.02	1.9	179	7	58
					107904	10.61	11.37	0.76	0.12	3.3	343	148	162
					107905	11.37	11.71	0.34	0.06	2.0	215	61	63
			@ 3.35 m to 6.40 m - 20% core recovery		107906	11.71	12.50	0.79	0.05	1.6	167	9	43
					107907	12.50	14.09	1.59	0.08	1.7	285	14	97
			@ 8.84 m to 9.30 m - narrow highly weathered pyrrhotite veinlets, approximately 40%		107908	14.09	15.00	0.91	0.14	8.8	605	365	4352
					107909	15.00	16.16	1.16	0.05	3.1	329	53	321
					107910				0.49	0.8	3476	6	56
			@ 9.76 m to 10.15 m - pyrrhotite veinets approximately 15%		107911	16.16	17.53	1.37	<0.01	3.1	359	66	134
					107912	17.53	18.60	1.07	0.05	1.6	271	4	37
					107913	18.60	19.21	0.61	0.23	2.5	312	110	243
			@ 10.61 m to 11.37 m - highly weathered pyrrhotite veinlets, approximately 20%		107914	19.21	20.12	0.91	0.03	2.4	227	126	148
					107915	20.12	21.65	1.52	0.02	1.2	220	8	50
					107916	21.65	23.17	1.52	0.02	1.6	277	6	49
			@ 14.09 m to 15.00 m - 20% pyrrhotite veinlets @ 80° to CA		107917	23.17	24.70	1.52	0.01	1.2	225	17	95
					107918	24.70	26.22	1.52	0.04	1.6	294	22	201
					107919	26.22	27.74	1.52	0.15	1.6	325	23	146
			@ 16.16 m to 17.53 m - black chlorite-pyrrhotite veinlets with quartz-calcite		107920	Blank			<0.01	<0.5	4	6	48
					107921	27.74	29.27	1.52	0.04	1.2	231	14	158
					107922	29.27	30.79	1.52	<0.01	1.2	232	29	40

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-9		Core Size BTW		Logged by: Ed Kruckowski									
Azimuth 345 degrees		Start July 26, 2016		Total depth 46.04 m									
Dip - 10 degrees		Completion July 26, 2016		Co-ordinate 433062E 6232215N									
Reflex Survey			Depth (m)										
			Azimuth (degrees)		N/A								
Elevation			Dip (degrees)		N/A								
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION		SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION		Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.66		Drill head to face										
3.66	46.04	Andesite	@ 3.66 m to 11.89 m - locally, highly broken, rusty on		107927	0.00	3.35	3.35	0.05	1.2	376	<1	107
		Breccia	fractures		107928	3.35	6.40	3.05	0.02	1.2	274	108	243
			quartz-calcite stockwork approximately 5%		107929	6.40	9.45	3.05	<0.01	1.7	296	6	80
			local K-Feldspar alteration, weak sericite		107930				0.58	1.6	2418	18	37
					107931	9.45	10.98	1.52	0.02	2.0	160	22	268
					107932	10.98	12.50	1.52	0.10	1.6	118	11	66
			@ 12.35 m to 13.26 m - strong chlorite banding with		107933	12.50	14.02	1.52	0.04	2.3	158	34	51
			quartz-calcite @ 20° to CA		107934	14.02	15.55	1.52	0.08	3.3	160	70	104
					107935	15.55	17.07	1.52	0.04	2.0	150	13	40
			@ 17.07 m to 17.80 m - strong K-Feldspar alteration		107936	17.07	17.80	0.73	0.02	1.2	125	4	30
					107937	17.80	18.57	0.76	1.58	8.9	735	158	1441
			@ 17.80 m to 18.57 m - massive pyrrhotite vein @		107938	18.57	19.21	0.64	0.06	1.2	140	7	24
			17.80 m - 5 cm quartz vein, then some semi-massive		107939	19.21	19.66	0.46	0.07	1.6	131	5	24
			pyrrhotite to 18.17 m @ 18.17 m to 18.57 m -		107940				0.07	<0.5	2	4	33
			massive pyrrhotite, minor pyrite and traces of		107941	19.66	20.73	1.07	0.05	0.8	80	4	20
			chalcopyrite		107942	20.73	21.65	0.91	0.06	1.6	350	19	53
					107943	21.65	23.17	1.52	0.08	1.6	218	16	42
			@ 18.57 m to 22.26 m - local strong mariposite alt.		107944	23.17	24.70	1.52	0.07	1.2	156	11	50
			@ 19.66 m to 20.43 m - very intense mariposite		107945	24.70	25.46	0.76	0.06	2.4	385	14	52
					107946	25.46	26.83	1.37	0.11	1.7	276	14	269
			@ 20.73 m to 21.65 m - strong pyrrhotite		107947	26.83	27.20	0.37	0.07	4.4	1136	42	447
			mineralization, approximately 15% as narrow		107948	27.20	27.87	0.67	0.07	1.6	207	15	101
			1-4 cm veinlets		107949	27.87	28.26	0.40	0.11	2.4	603	20	79
					107950				0.56	1.2	2818	21	41
			@ 20.73 m to 25.46 m - minor pyrrhotite		107951	28.26	29.27	1.01	0.06	1.5	216	7	22
			approximately 5% overall		107952	29.27	30.79	1.52	0.02	1.2	189	9	19
					107953	30.79	32.32	1.52	0.10	1.2	214	11	47

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-10		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 345 degrees		Start July 26, 2016		Total depth 57.24 m								
Dip - 20 degrees		Completion July 27, 2016		Co-ordinate 433062E 6232215N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
Elevation			Dip (degrees)		N/A							
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0	1.83		Face to drill									
1.83	52.74	Andesite	similar to SG-9	107964	1.83	2.74	0.91	0.20	1.7	298	7	89
		Breccia	@ 4.88 m to 10.37 m - locally broken with rust on fractures	107965	2.74	3.96	1.22	0.45	1.6	247	4	84
				107966	3.96	5.49	1.52	0.03	<0.5	209	6	62
				107967	5.49	7.01	1.52	0.01	0.8	194	8	85
			weak K-feldspar alteration, local minor hornfels,	107968	7.01	8.54	1.52	0.16	1.2	215	8	228
			pyrrhotite along veinlets, approximately 3%	107969	8.54	10.06	1.52	0.05	1.2	168	5	181
			quartz-calcite stockwork, approximately 5% overall	107970	STD			7.20	0.8	665	26	78
				107971	10.06	11.59	1.52	0.06	1.2	176	5	37
			@ 13.11 m to 13.72 m - narrow pyrrhotite veinlets @ 20° to CA, approximately 10%	107972	11.59	13.11	1.52	0.02	1.6	120	3	34
				107973	13.11	13.72	0.61	0.04	1.6	235	15	30
				107974	13.72	14.63	0.91	0.01	1.2	188	5	53
			@ 17.23 m to 17.84 m - pyrrhotite veins	107975	14.63	16.16	1.52	0.02	1.2	182	12	53
			approximately 40% with quartz weakly sheared	107976	16.16	17.23	1.07	0.03	1.6	199	27	263
				107977	17.23	17.84	0.61	0.06	2.4	739	15	55
			@ 20.73 m to 21.10 m - 15% pyrrhotite veinlets up to 1 cm	107978	17.84	18.90	1.07	0.02	1.2	230	6	56
				107979	18.90	20.73	1.83	0.01	0.8	294	9	47
				107980	Blank			<0.01	1.6	298	21	113
			@ 23.93 m to 24.24 m - narrow pyrrhotite veinlets @ 15° to CA, with quartz-pyrrhotite, approximately 15%	107981	20.73	21.10	0.37	0.62	<0.5	2	5	90
				107982	21.10	22.26	1.16	0.03	5.0	373	345	1334
				107983	22.26	23.89	1.63	0.02	1.2	296	11	64
			@ 26.68 m to 27.44- narrow pyrrhotite veinlets with quartz, approximately 10% of zone	107984	23.89	24.24	0.35	0.04	0.8	344	12	56
				107985	24.24	25.30	1.07	0.02	2.9	534	15	67
				107986	25.30	26.68	1.37	<0.01	0.8	255	7	31
			@ 38.72 m to 40.24 m - quartz-calcite vein with pyrrhotite veinlets, approximately 10% @ 20° to CA	107987	26.68	27.44	0.76	<0.01	1.2	303	7	39
				107988	27.44	28.35	0.91	0.02	1.2	305	10	38
				107989	28.35	29.88	1.52	0.02	0.8	303	7	32
			@ 40.24 m to 41.01 m - quartz with 30% pyrrhotite	107990	STD			3.69	27.8	86	11	62

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-11		Core Size BTW		Logged by: Ed Kruchkowski									
Azimuth 345 degrees		Start July 27, 2016		Total depth 52.44 m									
Dip - 30 degrees		Completion July 27, 2016		Co-ordinate 433062E 6232215N									
Reflex Survey			Depth (m)										
			Azimuth (degrees)										
Elevation			Dip (degrees)										
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION		SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION		Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	2.59		Face to head of drill										
2.59	52.44	Andesite	grey to green, chloritic with strong mariposite		107207	2.59	3.66	1.07	0.01	1.2	280	6	53
		Breccia	from 10-12%		107208	3.66	6.71	3.05	0.01	0.8	240	9	53
			quartz-calcite stockwork approximately 5%		107209	6.71	9.76	3.05	0.02	0.8	259	7	52
					107210	STD			3.83	18.7	73	12	39
			@ 4.27 m to 8.54 m - highly broken, rusty on		107211	9.76	11.28	1.52	0.03	1.2	194	26	81
			fractures		107212	11.28	12.80	1.52	0.01	0.8	313	12	124
					107213	12.80	13.72	0.91	0.02	1.6	297	21	211
			@ 13.72 m to 14.63 m - patches and veinlets of		107214	13.72	14.63	0.91	0.07	1.6	370	22	126
			pyrrhotite, approximately 15%		107215	14.63	15.85	1.22	0.01	1.2	277	25	57
					107216	15.85	16.77	0.91	0.02	1.9	262	9	55
			@ 16.62 m to 18.29 m - strong quartz-sulphide		107217	16.77	17.07	0.30	0.24	4.7	538	21	39
			veining with quartz, approximately 50%		107218	17.07	17.68	0.61	0.75	6.0	820	39	36
					107219	17.68	18.90	1.22	0.06	1.6	148	9	53
			@ 16.77 m to 17.07 m - 30% pyrrhotite in quartz		107220	Blank			0.00	<0.5	1	6	45
					107221	18.90	20.43	1.52	0.05	1.6	324	13	58
					107222	20.43	21.71	1.28	0.02	1.2	345	14	42
			17.07 m to 17.68 m - 35% pyrrhotite, traces of		107223	21.71	22.32	0.61	8.49	9.3	1593	150	499
			chalcopyrite in quartz		107224	22.32	23.48	1.16	2.18	3.1	449	65	168
					107225	23.48	24.70	1.22	0.49	1.6	218	65	321
			@ 22.26 m to 30.79 m - intense mariposite alteration -		107226	24.70	25.76	1.07	1.92	2.4	371	30	76
			banding @ 45° to CA		107227	25.76	26.52	0.76	3.04	4.2	435	127	551
					107228	26.52	28.05	1.52	0.03	1.2	185	27	64
			@ 32.16 m to 32.62 m - 15% pyrrhotite as patches		107229	28.05	29.88	1.83	0.51	2.8	345	84	164
			and veinlets		107230	STD			3.86	22.2	93	16	54
					107231	29.88	31.10	1.22	0.06	1.2	227	11	37
			@ 33.69 m to 34.51 m - 20% pyrrhotite as patches and		107232	31.10	32.16	1.07	0.08	1.7	549	15	43
			veinlets		107233	32.16	32.62	0.46	0.29	2.0	939	13	<1

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-15		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 009 degrees		Start July 31, 2016		Total depth 153.05 m								
Dip - 20 degrees		Completion August 1, 2016		Co-ordinate 433099E 6232219N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
Elevation			Dip (degrees)		N/A							
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	1.83	Space		107297	64.63	66.16	1.52	0.02	1.2	369	<1	84
				107298	66.16	67.53	1.37	0.01	1.2	153	8	88
1.83	153.05	Andesite	@ 1.83 m to 57.38 m - rusty on fractures	107299	67.53	68.29	0.76	0.02	1.6	217	12	86
		Breccia		107300	Blank			<0.01	<0.5	6	9	52
			@ 1.83 m to 12.80 m - weakly K-Feldspar altered	107301	68.29	69.21	0.91	0.01	0.8	26	12	91
			to grey-green rock	107302	69.21	70.58	1.37	0.01	0.8	17	13	78
			minor pyrrhotite	107303	70.58	70.88	0.30	0.05	10.0	2026	1232	2668
				107304	70.88	72.26	1.37	0.01	1.7	49	57	384
			@ 6.71 m to 7.32 m - pyrrhotite veinlets parallel	107305	72.26	73.78	1.52	0.01	1.5	55	10	528
			to CA, approximately 25%	107306	73.78	75.30	1.52	0.03	1.6	100	10	82
				107307	75.30	76.83	1.52	0.06	2.9	552	28	86
			quartz-calcite stockwork, approximately 3% overall	107308	76.83	78.35	1.52	0.01	1.2	83	17	84
				107309	78.35	79.88	1.52	0.02	<0.5	43	15	48
			@ 30.03 m to 30.49 m - quartz-breccia with 70%	107310	STD			4.00	31.7	82	11	39
			quartz-calcite	107311	79.88	81.40	1.52	0.03	0.8	54	18	59
				107312	81.40	82.93	1.52	0.03	2.1	123	24	75
			51.77 m to 51.92 m - quartz-calcite-chlorite veining @	107313	82.93	84.45	1.52	0.02	2.0	75	121	507
			45° to CA	107314	84.45	85.98	1.52	0.02	2.4	123	167	618
				107315	85.98	87.50	1.52	0.12	1.6	61	135	514
			@ 60.98 m to 61.59 m - narrow pyrite vein parallel to	107316	87.50	89.02	1.52	0.03	2.5	105	211	687
			CA	107317	89.02	90.55	1.52	0.03	1.7	71	117	347
				107318	90.55	92.23	1.68	0.05	2.7	161	154	1293
			@ 64.63 m to 77.74 m - bleached, grey, minor local	107319	92.23	92.62	0.40	0.74	7.2	799	196	3475
			coarse veins+patches of pyrite, minor pyrrhotite	107320	Blank			0.03	<0.5	3	8	65
				107321	92.62	93.90	1.28	0.12	3.2	217	57	1618
			appears as baked contact zone, similar to SG-14	107322	93.90	95.12	1.22	0.04	2.8	216	111	502
				107323	95.12	96.83	1.71	0.07	2.0	204	29	161
			@ 67.53 m to 68.29 m - minor coarse pyrite patches,	107324	96.83	98.17	1.34	0.02	1.9	349	31	149
			approximately 10%	107325	98.17	99.70	1.52	0.06	1.6	272	34	1195

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-17		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 355 degrees		Start August 20, 2016		Total depth 116.77 m								
Dip - 10 degrees		Completion August 23, 2016		Co-ordinate 433099E 6232219N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
Elevation			Dip (degrees)		N/A							
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	1.83		Head to Face									
1.83	46.80	Andesite	grey, rusty on fractures, up to 32.93 m	107419	83.23	83.84	0.61	0.06	2.7	286	28	72
		Breccia		107420	Blank			<5	1.2	15	13	72
			minor quartz-calcite, approximately 2%, minor	107421	83.84	84.24	0.40	0.89	6.2	781	105	328
			pyrrhotite wisps + veinlets	107422	84.24	84.76	0.52	0.04	0.8	180	15	67
				107423	84.76	86.28	1.52	0.02	1.2	200	15	48
			weak K-Feldspar alteration, local 0.5 cm quartz veins	107424	86.28	87.80	1.52	0.12	1.2	266	27	73
			parallel to CA with sparse pyrrhotite	107425	87.80	89.33	1.52	0.02	<0.5	314	19	46
				107426	89.33	90.55	1.22	0.01	<0.5	255	12	48
			@ 12.50 m to 13.11 m - local patches of pyrrhotite,	107427	90.55	91.16	0.61	0.02	0.8	219	48	151
			approximately 7%	107428	91.16	92.32	1.16	0.03	2.5	263	82	444
				107429	92.32	93.60	1.28	0.03	1.7	502	87	513
			@ 23.63 m to 23.93 m - quartz-calcite veins up to	107430	STD			4.04	31.7	84	14	67
			1 cm parallel to CA	107431	93.60	93.90	0.30	0.16	3.1	867	41	397
				107432	93.90	95.43	1.52	0.01	<0.5	212	16	61
46.80	50.91	Granodiorite	mottled grey/green - strong epidote alteration	107433	95.43	96.95	1.52	0.01	0.8	317	68	476
				107434	96.95	98.48	1.52	<5	<0.5	232	28	143
			weakly brecciated with 1-2% quartz-calcite	107435	98.48	100.30	1.83	0.002	<0.5	261	16	64
			stockwork	107436	100.30	101.52	1.22	<5	<0.5	239	17	123
				107437	101.52	103.35	1.83	<5	<0.5	239	17	123
50.91	54.27	Quartz	brecciated baked andesite with 30% quartz veins up	107438	103.35	104.12	0.76	0.05	2.1	434	30	229
		Breccia	to 0.6 m	107439	104.12	104.57	0.46	0.01	0.8	266	21	87
				107440	STD			<5	<0.5	18	12	95
			@ 52.13 m to 52.90 m - 5% pyrrhotite as veinlets and	107441	104.57	105.03	0.46	0.01	0.8	207	21	154
			patches	107442	105.03	106.55	1.52	0.03	4.9	609	80	1155
				107443	106.55	107.62	1.07	<5	1.6	344	25	102
54.27	116.77	Andesite	@ 54.27 m to 77.44 m - sparse quartz veinlets,	107444	107.62	109.15	1.52	0.01	3.1	232	96	322
		Breccia	approximately 2% with pyrrhotite within veins	107445	109.15	109.66	0.52	0.01	2.7	238	48	385

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-18		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 310 degrees		Start August 4, 2016		Total depth 218.60								
Dip - 45 degrees		Completion August 10, 2016		Co-ordinate 432380E 6230794N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
			Dip (degrees)		N/A							
Elevation												
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	3.05	Casing										
				107366	5.79	6.71	0.91	0.05	1.5	56	<1	61
3.05	33.54	Andesite	grey, weakly silicified coarse grained, 5% quartz	107367	6.71	7.16	0.46	0.05	1.2	69	17	67
		Breccia	carbonate stockwork	107368	7.16	7.62	0.46	0.06	1.6	43	4	27
				107369	7.62	8.23	0.61	0.07	2.0	40	<1	31
			@ 3.96 m to 4.27 m - minor pyrite veinlets, approximately 10%	107370	STD			4.15		sample exhausted		
				107371	31.25	33.84	2.59	0.02	1.2	76	3	66
				107372	33.84	34.30	0.46	0.01	0.8	56	1	28
			@ 5.79 m to 8.23 m - zone of pyrite veining with quartz carbonate	107373	34.30	35.49	1.19	0.02	1.6	83	1	50
			sulphides approximately 10%	107374	35.49	36.59	1.10	0.02	1.6	39	<1	24
			veins @ 45° to CA	107375	36.59	37.50	0.91	0.01	1.2	103	<1	51
				107376	37.50	38.72	1.22	0.02	1.6	64	<1	30
				107377	38.72	40.09	1.37	0.00	1.2	71	<1	41
			@ 7.62 m to 8.23 m - highly broken, pyrite rich fragments	107378	40.09	41.59	1.49	<0.01	1.2	74	1	56
				107379	41.59	42.53	0.95	0.00	0.8	78	2	50
				107380	Blank			0.07	0.8	6	5	37
			@ 8.23 m to 35.37 m - minor pyrite wisps, approximately 3%	107381	42.53	43.14	0.61	0.01	1.6	95	3	64
				107382	43.14	44.21	1.07	0.01	1.6	68	<1	43
				107383	44.21	44.82	0.61	0.00	1.7	188	7	100
33.54	92.38	Silicified	zone of strong quartz-carbonate stockwork,	107384	44.82	46.34	1.52	0.01	1.2	81	4	51
		Altered	approximately 20%	107385	46.34	47.87	1.52	0.01	1.2	83	5	63
		Zone		107386	47.87	49.24	1.37	0.01	1.2	73	6	46
			@ 33.54 m to 49.70 m - highly silicified with veinlets + wisps of pyrite, approximately 10%	107387	49.24	49.70	0.46	0.06	1.2	46	<1	169
				107388	49.70	50.91	1.22	0.02	2.0	71	8	58
				107389	50.91	52.44	1.52	0.07	1.2	65	6	80
			@ 31.25 m to 33.84 m - 5% pyrite with veins up to 2 cm	107390	STD			3.96	22.2	71	9	42
				107391	52.44	53.96	1.52	0.04	1.6	82	3	28
				107392	53.96	55.49	1.52	0.03	1.6	104	4	44

SCOTTIE DIAMOND DRILL LOGS

DDH # 2016-SG-21		Core Size BTW		Logged by: Ed Kruchkowski								
Azimuth 355 degrees		Start August 24, 2016		Total depth 154.57 m								
Dip - 30 degrees		Completion August 25, 2016		Co-ordinate 433099E 6232219N								
Reflex Survey			Depth (m)									
			Azimuth (degrees)		N/A							
			Dip (degrees)		N/A							
Elevation												
METERAGE		ROCK TYPE	ROCK, ALTERATION, MINERALIZATION	SAMPLE INTERVAL(meters)				ASSAY/GEOCHEM				
FROM	TO		STRUCTURE DESCRIPTION	Sple No.	FROM	TO	Width	Au g/t	Ag ppm	Cu ppm	Pb ppm	Zn ppm
0.00	1.83		Drill to face									
				107448	84.82	85.58	0.76	0.011	<0.5	204	10	59
1.83	59.60	Andesite	strongly rusty @ 1.83 m to 10.67 m	107449	85.58	86.13	0.55	0.206	3.5	2092	93	151
		Breccia		107450	STD			4.117	36.3	98	16	93
			rock is similar to SG-17	64101	86.13	87.50	1.37	0.167	4.8	215	35	165
				64102	87.50	88.11	0.61	0.182	4.8	254	23	348
			@ 45.43 m to 46.04 m - quartz-epidote veinlets	64103	88.11	89.02	0.91	0.111	6.4	799	58	336
			approximately 20%	64104	89.02	90.55	1.52	0.161	4.9	188	80	542
				64105	90.55	92.07	1.52	0.174	4.8	169	57	287
			@ 47.56 m to 47.87 m - quartz veins up to 2 cm,	64106	92.07	93.60	1.52	0.180	4.5	190	8	87
			parallel to CA	64107	93.60	94.91	1.31	0.166	4.3	214	10	91
				64108	94.91	96.49	1.59	0.451	6.4	800	59	267
			@ 50.91 m to 55.49 m - strong rust on fractures	64109	96.49	98.17	1.68	0.148	4.1	189	54	169
				64110	STD			4.056	39.5	75	4	70
59.60	63.72	Granodiorite	coarse grained, pale with 1-2% quartz stockwork	64111	98.17	99.70	1.52	0.237	4.1	221	10	78
				64112	99.70	101.22	1.52	0.172	4.0	238	12	80
			@ 62.20 m to 63.72 m - chill margins	64113	101.22	102.74	1.52	0.156	3.9	211	13	75
				64114	102.74	104.27	1.52	0.049	4.5	209	11	78
63.72	154.57	Andesite	@ 63.72 m to 64.63 m - quartz-calcite veining,	64115	104.27	104.88	0.61	0.142	5.4	261	18	301
		Breccia	approximately 50% - minor pyrrhotite	64116	104.88	106.25	1.37	0.239	7.3	712	18	530
				64117	106.25	107.32	1.07	0.145	4.3	196	12	124
			@ 63.72 m to 70.12 m - strong K-Feldspar alteration,	64118	107.32	107.93	0.61	0.140	5.2	191	16	218
			minor black chlorite veinlets	64119	107.93	108.54	0.61	0.194	7.2	533	27	431
				64120	Blank			0.127	5.0	25	13	92
			@ 68.90 m - 13 cm quartz vein	64121	108.54	109.24	0.70	0.038	0.8	176	14	126
			@ 69.21 m - 10 cm quartz vein	64122	109.24	110.37	1.13	0.170	1.6	159	31	153
				64123	110.37	111.89	1.52	0.136	0.8	164	23	107
			@ 63.72 m - downhole - weakly brecciated	64124	111.89	112.29	0.40	0.157	4.1	159	114	990
				64125	112.29	113.41	1.13	0.140	1.2	149	29	635

APPENDIX II ASSAY RESULTS

DDH-SG-16-1-21 inclusive



Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

ISO9001:2008 Certified

To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 1 3 3
DATE: September 30, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107517	232	--
107518	74	--
107519	1756	--
107520	26	--
107521	72	--
107522	83	--
107523	76	--
107524	51	--
107525	134	--
107525 recut	49	--
107526	104	--
107527	13887	--
107528	530	--
107529	262	--
107530	564	--
107531	308	--
107532	175	--
107517 Check	271	--
STD OxH122-1247 ppb	1289	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



Loring Laboratories Ltd.

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To: Rotation Minerals
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Stewart, B. C., V0T 1W0

FILE: 6 0 1 3 3
DATE: September 30, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107533	284	--
107534	41	--
107535	46	--
107535 recut	36	--
107536	60	--
107537	24	--
107538	<5	--
107539	8140	--
107540	38	--
107541	736	--
107542	275	--
107543	419	--
107544	205	--
107545	35	--
107545 recut	25	--
107546	474	--
107547	5827	--
107533 Check	272	--
STD OxH122-1247 ppb	1202	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

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Loring Laboratories Ltd.

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Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

ISO9001:2008 Certified

To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 1 3 3
DATE: September 30, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107548	326	--
107549	126	--
107550	639	--
107551	32	--
107552	23	--
107553	7	--
107554	<5	--
107555	12	--
107555 recut	7	--
107556	39	--
107557	66	--
107558	22	--
107559	13	--
107560	105	--
107561	35	--
107562	23	--
107563	32	--
107548 Check	328	--
STD OxH122-1247 ppb	1247	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107564	140	--
107565	36	--
107565 recut	95	--
107566	90	--
107567	504	--
107568	842	--
107569	78	--
107570	611	--
107571	120	--
107572	72	--
107573	48	--
107574	70	--
107575	85	--
107575 recut	101	--
107576	55	--
107577	326	--
107578	2985	--
107564 Check	65	--
STD OxH122-1247 ppb	1344	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107579	256	--
107580	26	--
107581	181	--
107582	1169	--
107583	276	--
107584	36	--
107585	33	--
107585 recut	29	--
107586	44	--
107587	101	--
107588	76	--
107589	251	--
107590	573	--
107591	48	--
107592	50	--
107593	949	--
107594	38	--
107579 Check	293	--
STD OxH122-1247 ppb	1262	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107595	271	--
107595 recut	128	--
107596	29	--
107597	29	--
107598	385	--
107599	6	--
107600	191	--
107601	84	--
107602	12466	--
107603	121	--
107604	110	--
107605	93	--
107605 recut	34	--
107606	21	--
107607	19	--
107608	21	--
107609	57	--
107602 Check	12734	--
STD OxH122-1247 ppb	1247	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107610	676	--
107611	23500	--
107612	567	--
107613	336	--
107614	139	--
107615	2470	--
107615 recut	2164	--
107616	376	--
107617	77	--
107618	186	--
107619	423	--
107620	27	--
107621	222	--
107622	67	--
107623	57	--
107624	1358	--
107625	586	--
107611 Check	30420	--
STD OxH122-1247 ppb	1393	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107625 recut	563	--
107626	1381	--
107627	940	--
107628	1349	--
107629	27	--
107630	502	--
107631	1553	--
107632	290	--
107633	28	--
107634	34	--
107635	40	--
107635 recut	15	--
107636	13	--
107637	41	--
107638	120	--
107639	16	--
107640	15	--
107634 Check	25	--
STD GS-1T-1080 ppb	1022	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107641	48	--
107642	50	--
107643	61	--
107644	464	--
107645	271	--
107645 recut	258	--
107646	103	--
107647	267	--
107648	26	--
107649	15	--
107650	528	--
107651	46	--
107652	85	--
107653	9	--
107654	9	--
107655	6	--
107655 recut	12	--
107641 Check	57	--
STD OxH122-1247 ppb	1170	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107656	8081	--
107657	17	--
107658	9120	--
107659	349	--
107660	58	--
107661	3086	--
107662	72	--
107663	4	--
107664	17	--
107665	48	--
107665 recut	42	--
107666	51	--
107667	3219	--
107668	17	--
107669	29	--
107670	509	--
107671	6	--
107658 Check	11000	--
STD OxH122-1247 ppb	1371	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107672	13	--
107673	34	--
107674	43	--
107675	3669	--
107675 recut	3700	--
107676	773	--
107677	100	--
107678	904	--
107679	2755	--
107680	53	--
107681	154	--
107682	257	--
107683	19	--
107684	226	--
107685	45	--
107685 recut	58	--
107686	41	--
107672 Check	49	--
STD OxH122-1247 ppb	1395	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107687	43	--
107688	53	--
107689	37	--
107690	607	--
107691	80	--
107692	17	--
107693	21	--
107694	20	--
107695	14	--
107695 recut	22	--
107696	27	--
107697	45	--
107698	56	--
107699	61	--
107700	16	--
107701	58	--
107702	192	--
107702 Check	152	--
STD GS-1T-1080 ppb	1058	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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DATE: September 30, 2016

SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107703	94	--
107704	78	--
107705	114	--
107705 recut	41	--
107706	103	--
107707	33	--
107708	38	--
107709	98	--
107710	586	--
107711	110	--
107712	73	--
107713	230	--
107714	42	--
107715	233	--
107715 recut	276	--
107716	74	--
107717	175	--
107711 Check	106	--
STD GS-1T-1080 ppb	1052	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107718	5980	--
107719	1645	--
107720	115	--
107721	122	--
107722	90	--
107723	102	--
107724	160	--
107725	150	--
107725 recut	227	--
107726	98	--
107727	58	--
107728	90	--
107729	164	--
107730	899	--
107731	102	--
107732	49	--
107733	55	--
107718 Check	5900	--
STD GS-1T-1080 ppb	1058	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107734	53	--
107735	38	--
107735 recut	30	--
107736	39	--
107737	221	--
107738	54	--
107739	28	--
107740	39	--
107741	33	--
107742	39	--
107743	9	--
107744	<5	--
107745	6	--
107745 recut	<5	--
107746	<5	--
107747	15	--
107748	<5	--
107734 Check	<5	--
STD OxH122-1247 ppb	1389	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107749	28	--
107750	531	--
107751	159	--
107752	75	--
107753	171	--
107754	25	--
107755	35	--
107755 recut	37	--
107756	383	--
107757	31542	--
107758	112	--
107759	44	--
107760	13	--
107761	48	--
107762	50	--
107763	481	--
107764	251	--
107749 Check	55	--
STD GS-1T-1080 ppb	1052	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107765	10671	--
107765 recut	14191	--
107766	520	--
107767	12256	--
107768	315	--
107769	54	--
107770	962	--
107771	20	--
107772	31	--
107773	255	--
107774	3281	--
107775	8771	--
107775 recut	8400	--
107776	5320	--
107777	1866	--
107778	65	--
107779	28	--
107774 Check	2941	--
STD OxH122-1247 ppb	1354	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107780	18	--
107781	39	--
107782	131	--
107783	123	--
107784	111	--
107785	205	--
107785 recut	130	--
107786	149	--
107787	60	--
107788	63	--
107789	20	--
107790	540	--
107791	58	--
107792	504	--
107793	<5	--
107794	210	--
107795	188	--
107780 Check	6	--
STD GS-1T-1080 ppb	1058	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

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SAMPLES: Core

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Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107795 recut	160	--
107796	30	--
107797	46	--
107798	77	--
107799	43	--
107800	19	--
107801	58	--
107802	267	--
107803	87	--
107804	1744	--
107805	606	--
107805 recut	590	--
107806	1514	--
107807	1309	--
107808	81	--
107809	97	--
107810	530	--
107807 Check	1437	--
STD GS-1T-1080 ppb	1055	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107811	121	--
107812	57	--
107813	17	--
107814	15	--
107815	95	--
107815 recut	65	--
107816	72	--
107817	<5	--
107818	8	--
107819	88	--
107820	<5	--
107821	69	--
107822	15	--
107823	23	--
107824	<5	--
107825	<5	--
107825 recut	<5	--
107819 Check	<5	--
STD GS-1T-1080 ppb	1055	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

ISO9001:2008 Certified

To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 1 3 3
DATE: September 30, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107826	241	--
107827	50	--
107828	16	--
107829	11	--
107830	546	--
107831	5	--
107832	<5	--
107833	11	--
107834	<5	--
107835	<5	--
107835 recut	<5	--
107836	23	--
107837	9	--
107838	<5	--
107839	<5	--
107840	<5	--
107841	<5	--
107826 Check	215	--
STD GS-1T-1080 ppb	1055	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

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Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107842	43	--
107843	14	--
107844	19	--
107845	49	--
107845 recut	79	--
107846	19	--
107847	<5	--
107848	100	--
107849	590	--
107850	582	--
107851	231	--
107852	37	--
107853	7	--
107854	9	--
107855	5	--
107855 recut	11	--
107856	40	--
107842 Check	15	--
STD GS-1T-1080 ppb	1055	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

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FILE: 6 0 1 3 3
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SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107857	818	--
107858	80	--
107859	73	--
107860	14	--
108969	88	--
108970	12655	--
108971	129	--
108972	259	--
108973	150	--
108974	250	--
108975	185	--
107975 recut	232	--
108976	163	--
108977	88	--
108978	199	--
108979	1123	--
108980	31	--
107857 Check	646	--
STD OxH122-1247 ppb	1374	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

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FILE: 6 0 1 3 3
DATE: September 30, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
108981	834	--
108982	110	--
108983	184	--
108984	158	--
108985	149	--
108985 recut	176	--
108986	1282	--
108987	118	--
108988	142	--
108989	104	--
108990	11820	--
108991	165	--
108992	126	--
108993	59	--
108994	38	--
108995	74	--
108995 recut	70	--
STD GS-1T-1080 ppb	1055	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 3, 2016	

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FILE: 6 0 1 3 3
DATE: September 30, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
108996	50	--
108997	49	--
108998	126	--
108999	115	--
109000	<5	--
STD GS-1T-1080 ppb Blank	1055 <5	-- --
Methodology: Received Date:	-Au- Fire Assay with AA / Gravimetric finish. August 3, 2016	

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To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

FILE: 6 0 1 33

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107517	2.5	2.67	10	42	26	22	1.15	11	41	51	309	4.94	0.05	<1	2.23	647	16	0.05	14	0.14	39	7	28	43	0.17	<1	231	3	299	5
107517-chk	1.5	2.86	18	35	44	21	1.23	11	43	44	305	4.94	0.16	<1	2.26	654	15	0.07	14	0.15	44	6	30	43	0.21	<1	258	3	290	7
107518	1.5	2.42	10	39	22	17	1.56	9	35	52	268	4.05	0.04	<1	1.48	455	5	0.06	15	0.14	34	6	20	34	0.16	<1	191	3	216	6
107519	3.5	2.41	294	32	31	59	2.11	16	85	34	1161	8.00	0.07	<1	1.83	735	4	0.05	12	0.10	24	10	39	80	0.13	<1	200	8	309	6
107520	1.0	1.85	1	42	371	9	0.97	3	12	40	7	2.55	0.91	4	0.92	582	2	0.09	2	0.10	7	2	61	24	0.17	<1	98	1	72	1
107521	2.0	1.65	2	37	33	16	2.98	6	31	31	242	4.12	0.11	1	1.16	422	2	0.07	11	0.12	6	4	59	35	0.22	<1	184	1	43	7
107522	2.0	1.75	8	42	25	19	3.56	6	32	27	280	4.34	0.08	<1	1.22	514	2	0.05	10	0.12	11	5	61	37	0.19	<1	180	1	45	7
107523	1.5	1.66	4	36	26	17	1.99	6	32	23	271	4.29	0.10	1	1.01	328	1	0.08	10	0.12	5	4	45	37	0.20	<1	159	1	28	7
107524	2.0	1.76	<1	37	22	17	2.00	6	30	26	254	4.28	0.10	1	0.93	302	2	0.07	10	0.13	5	4	36	36	0.19	<1	159	1	29	7
107525	2.0	1.93	2	36	19	16	2.75	6	30	25	259	4.26	0.06	1	1.22	421	4	0.05	11	0.13	5	4	56	36	0.20	<1	171	1	38	7
107525 recut	2.5	1.79	2	33	17	15	2.65	5	29	23	250	4.04	0.04	1	1.16	393	4	0.04	11	0.12	6	4	52	34	0.19	<1	160	1	35	6
107526	2.5	2.80	8	39	24	16	3.14	5	26	32	362	4.05	0.06	1	1.38	525	16	0.03	10	0.13	5	5	73	34	0.18	<1	190	1	37	6
107527	16.5	3.24	2805	34	24	110	2.18	47	135	35	4496	9.07	0.05	<1	1.74	1041	14	0.04	15	0.11	80	20	76	98	0.10	<1	200	19	2000	4
107528	2.0	2.04	23	34	35	21	1.96	7	28	25	377	4.69	0.13	1	1.32	679	2	0.05	9	0.13	10	5	40	40	0.18	<1	193	1	78	6
107529	2.5	2.36	6	38	26	25	2.10	8	33	28	377	5.87	0.12	1	1.60	713	2	0.08	11	0.14	8	6	35	53	0.19	<1	232	1	61	7
107530	2.0	2.01	52	46	57	16	0.38	5	24	58	3901	4.16	0.86	11	1.03	453	141	0.06	40	0.09	32	6	45	37	0.10	<1	202	4	76	2
107531	3.5	2.86	22	33	25	32	3.37	12	34	39	559	6.93	0.07	3	2.12	1042	4	0.04	8	0.12	28	8	70	65	0.16	<1	257	2	166	6
107532	2.5	2.56	7	32	24	22	1.80	8	23	39	331	5.36	0.09	1	1.93	954	3	0.05	8	0.13	12	6	28	48	0.19	<1	260	2	118	7
107533	3.5	3.08	149	30	15	27	3.93	10	84	32	309	5.86	0.04	2	2.61	1483	3	0.03	5	0.08	18	7	46	53	0.07	<1	221	2	173	3
107534	2.0	1.54	3	36	18	14	2.04	5	20	29	221	3.77	0.08	1	1.12	528	1	0.06	9	0.12	11	3	29	31	0.18	<1	164	1	76	6
107535	1.5	1.18	1	34	22	12	1.98	4	20	20	205	3.13	0.10	1	0.78	375	1	0.05	9	0.13	14	2	31	26	0.18	<1	129	1	42	6
107535 recut	2.0	1.24	1	35	27	11	1.96	4	20	23	200	3.15	0.12	1	0.80	376	<1	0.06	9	0.13	17	2	32	26	0.19	<1	133	<1	40	6
107536	3.0	2.25	9	32	16	21	2.48	8	24	32	329	5.18	0.06	<1	1.75	822	1	0.06	11	0.13	28	6	40	46	0.17	<1	245	1	109	6
107537	2.0	1.37	2	32	27	13	2.10	5	25	18	242	3.54	0.13	1	0.78	391	1	0.06	9	0.13	18	3	28	29	0.18	<1	141	1	45	6
107538	2.5	2.09	2	33	34	16	2.64	6	23	24	271	4.09	0.16	<1	1.37	920	1	0.04	10	0.13	16	3	33	35	0.16	<1	180	1	59	6
107539	10.5	2.62	3181	31	29	58	2.68	22	217	35	2850	7.69	0.11	<1	2.09	1449	19	0.05	9	0.11	51	11	52	79	0.05	<1	255	15	622	3
107540	2.0	1.54	16	33	306	7	2.20	3	11	25	14	2.24	0.80	3	0.70	762	1	0.08	1	0.09	54	1	131	21	0.16	<1	87	1	62	1
107541	2.5	1.47	21	32	22	16	2.08	5	21	22	386	3.89	0.11	1	1.01	517	1	0.05	9	0.12	26	3	39	32	0.17	<1	147	1	69	5
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



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 loringlabs@telus.net

FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107542	2.5	2.06	96	34	23	14	2.21	5	18	22	313	3.52	0.09	<1	0.98	442	2	0.03	9	0.12	20	4	40	29	0.16	<1	140	1	49	5
107543	2.0	1.45	5	32	62	13	1.84	5	19	24	239	3.38	0.11	1	0.73	366	1	0.04	9	0.13	14	3	27	28	0.18	<1	128	1	62	6
107544	2.0	1.40	9	35	18	13	2.35	5	21	20	204	3.44	0.08	1	0.95	419	<1	0.05	9	0.13	14	4	38	28	0.20	<1	144	1	69	6
107545	1.5	1.84	6	35	15	15	2.22	6	26	22	233	3.96	0.08	1	1.01	449	1	0.06	10	0.13	17	4	26	33	0.20	<1	173	1	65	7
107545 recut	1.5	1.75	6	35	16	14	2.09	5	26	21	231	3.85	0.07	1	0.98	429	1	0.06	10	0.13	15	3	24	32	0.19	<1	167	1	62	7
107546	2.0	2.01	321	33	14	21	2.84	7	63	26	368	4.98	0.07	<1	1.27	615	1	0.05	12	0.13	16	6	37	44	0.16	<1	202	1	67	6
107547	5.0	1.89	4851	28	16	50	4.80	10	414	20	601	5.38	0.06	<1	1.46	1054	3	0.03	12	0.09	20	16	75	47	0.04	<1	174	2	245	2
107548	1.5	1.22	57	34	13	14	2.72	5	27	21	239	3.39	0.03	<1	0.89	405	2	0.04	15	0.12	9	5	34	28	0.10	<1	125	1	65	4
107548 chk	1.0	1.24	39	22	15	13	2.62	4	25	18	230	3.25	0.08	<1	0.87	390	2	0.05	14	0.12	6	3	33	27	0.10	<1	119	<1	63	3
107549	1.5	1.41	4	33	13	10	2.23	4	21	19	149	2.70	0.04	<1	1.05	319	5	0.05	12	0.13	7	5	32	22	0.13	<1	132	1	59	4
107550	1.0	1.38	42	31	39	13	0.33	4	20	43	3158	3.41	0.66	6	0.80	370	117	0.05	32	0.08	23	5	35	30	0.08	<1	145	2	65	2
107551	0.5	1.02	7	33	15	10	2.00	4	22	16	152	2.62	0.06	<1	0.62	192	1	0.05	9	0.12	7	2	31	22	0.12	<1	98	1	73	4
107552	1.0	1.54	1	25	22	14	2.46	4	25	20	170	3.39	0.08	<1	0.66	225	1	0.07	9	0.12	8	3	39	28	0.09	<1	111	1	33	4
107553	1.0	1.15	<1	22	36	17	1.45	5	33	16	250	4.10	0.11	<1	0.47	141	1	0.05	9	0.13	4	3	23	35	0.09	<1	92	<1	22	4
107554	1.0	1.23	<1	24	39	13	1.12	4	19	17	120	3.38	0.13	<1	0.61	187	1	0.07	8	0.13	3	2	23	29	0.11	<1	120	<1	27	4
107555	1.0	1.41	<1	32	39	14	1.47	4	22	20	126	3.75	0.13	<1	0.67	227	1	0.08	9	0.12	8	3	27	32	0.11	<1	130	<1	25	5
107555 recut	1.5	1.51	<1	25	45	15	1.56	5	23	23	134	3.97	0.13	<1	0.72	246	1	0.08	10	0.13	5	3	30	34	0.11	<1	139	<1	28	5
107556	1.0	1.30	2	25	50	13	1.31	4	23	23	136	3.43	0.10	<1	0.55	188	1	0.06	9	0.12	5	2	23	29	0.11	<1	119	<1	28	5
107557	1.0	1.24	2	23	32	12	1.47	4	22	23	127	3.19	0.08	<1	0.52	170	1	0.04	8	0.13	4	2	22	27	0.11	<1	111	<1	27	4
107558	1.0	1.35	2	33	34	14	1.69	4	25	17	154	3.55	0.10	1	0.48	174	1	0.05	9	0.12	11	3	25	30	0.10	<1	112	<1	33	4
107559	1.0	1.15	1	26	22	12	1.59	4	25	15	174	3.08	0.09	<1	0.53	161	1	0.04	9	0.12	8	2	19	26	0.08	<1	87	<1	33	3
107560	1.4	1.36	<1	30	311	7	1.75	2	8	18	1	2.07	0.77	2	0.67	649	1	0.07	1	0.09	14	1	101	21	0.11	<1	73	1	56	1
107561	1.5	1.26	3	22	32	14	1.73	5	37	16	254	3.59	0.11	1	0.57	171	1	0.04	14	0.14	20	3	21	31	0.10	<1	86	1	55	4
107562	1.5	1.11	2	31	28	10	1.92	3	26	14	174	2.70	0.11	<1	0.65	187	1	0.05	9	0.13	8	2	27	22	0.09	<1	88	<1	28	3
107563	0.5	1.12	1	30	12	10	2.13	4	24	14	149	2.62	0.04	<1	0.67	189	1	0.05	9	0.11	9	2	25	21	0.10	<1	101	1	66	4
107564	1.0	1.19	3	27	16	10	2.67	3	21	17	132	2.63	0.05	<1	0.57	185	1	0.04	7	0.11	24	2	36	22	0.10	<1	106	1	41	4
107565	1.0	1.14	7	20	16	11	2.26	4	21	15	144	2.98	0.07	2	0.74	269	1	0.04	11	0.11	18	3	33	25	0.09	<1	102	<1	31	3
107565 recut	1.5	1.27	8	23	18	12	2.46	4	23	16	154	3.23	0.08	2	0.81	295	1	0.06	12	0.13	15	3	36	27	0.10	<1	114	<1	35	3
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

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To: Rotation Minerals
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DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107566	0.5	2.28	15	20	21	15	1.66	6	20	32	215	3.92	0.11	<1	1.92	542	1	0.04	8	0.14	8	3	52	33	0.07	<1	143	1	135	3
107567	1.0	0.90	1	30	15	11	0.75	3	14	22	120	2.95	0.06	1	0.60	221	41	0.03	7	0.12	13	2	48	24	0.10	<1	64	1	21	2
107568	1.0	1.02	246	28	31	26	0.94	8	71	17	599	5.88	0.12	<1	0.63	243	9	0.04	10	0.11	11	4	25	56	0.03	<1	79	1	40	2
107569	1.0	1.02	1	24	34	9	1.00	3	14	13	91	2.67	0.12	1	0.52	195	2	0.05	6	0.10	5	1	25	22	0.05	<1	80	<1	24	2
107570	0.5	1.16	37	31	34	11	0.29	3	17	34	2635	2.94	0.55	6	0.62	308	100	0.05	27	0.07	21	3	36	25	0.06	<1	116	2	55	1
107571	0.5	0.90	3	33	37	8	1.16	2	16	15	92	2.13	0.11	1	0.28	127	4	0.05	8	0.12	10	1	23	17	0.06	<1	60	<1	18	2
107572	1.0	0.95	1	31	35	8	1.23	2	17	11	89	2.22	0.11	1	0.32	130	5	0.05	8	0.12	12	1	24	18	0.06	<1	65	<1	17	2
107573	1.0	1.00	1	30	42	7	1.14	2	15	14	82	2.23	0.12	1	0.36	150	3	0.05	7	0.12	10	1	26	18	0.06	<1	73	<1	41	2
107574	1.0	1.35	1	32	44	12	1.37	4	18	15	117	3.35	0.13	1	0.58	253	9	0.07	8	0.12	11	2	37	28	0.08	<1	104	<1	26	4
107575	1.0	1.28	<1	30	34	11	1.43	3	18	13	108	3.01	0.11	1	0.53	244	3	0.05	8	0.13	14	2	29	25	0.08	<1	95	<1	25	3
107575 recut	1.0	1.27	<1	21	38	11	1.41	3	17	14	107	2.99	0.12	1	0.53	243	4	0.05	8	0.13	6	2	29	25	0.08	<1	93	<1	25	3
107576	1.0	1.20	1	23	46	9	1.28	3	17	14	98	2.43	0.14	2	0.41	184	6	0.06	8	0.13	9	1	30	20	0.06	<1	82	<1	26	2
107577	11.6	1.39	9	22	55	11	1.10	4	19	18	120	2.94	0.18	2	0.84	377	8	0.07	9	0.13	26	3	33	25	0.07	<1	119	<1	53	2
107578	1.0	1.91	400	17	47	51	2.15	113	90	18	1065	8.54	0.25	<1	1.10	964	26	0.04	21	0.12	564	15	39	102	0.02	<1	172	51	5177	3
107579	2.5	2.62	147	29	46	21	2.63	16	18	35	191	4.83	0.20	<1	1.98	1181	2	0.04	<1	0.11	66	9	65	46	0.17	<1	218	8	764	2
107579 chk	2.0	2.95	160	24	55	21	2.60	17	19	36	203	4.88	0.31	<1	2.11	1276	2	0.06	<1	0.13	64	8	66	47	0.17	<1	234	8	826	2
107580	<0.5	1.84	<1	41	325	9	0.67	3	11	23	<1	2.36	0.83	3	0.94	541	1	0.07	<1	0.09	7	2	63	25	0.15	<1	78	1	62	1
107581	1.9	2.62	70	38	28	23	2.24	12	28	37	258	5.10	0.14	<1	2.02	1128	3	0.04	<1	0.11	51	7	50	51	0.15	<1	261	5	460	3
107582	3.5	1.75	509	23	46	28	3.65	46	49	25	510	5.77	0.29	<1	0.97	565	4	0.04	7	0.09	123	9	73	60	0.06	<1	126	26	2901	2
107583	1.2	2.12	136	26	22	15	2.66	6	21	33	145	3.68	0.09	<1	1.54	660	6	0.05	<1	0.11	14	7	54	33	0.13	<1	224	2	115	3
107584	1.2	2.10	17	34	19	16	3.17	5	23	28	121	3.93	0.08	<1	1.36	673	2	0.05	<1	0.11	7	6	76	36	0.12	<1	181	1	28	5
107585	0.8	1.83	15	38	27	15	2.89	5	21	29	107	3.58	0.09	<1	1.33	567	1	0.05	<1	0.11	6	6	53	32	0.12	<1	186	1	22	5
107585 recut	0.8	1.82	15	30	23	14	2.83	5	21	35	107	3.59	0.08	<1	1.35	562	1	0.04	<1	0.12	5	6	50	32	0.12	<1	184	1	21	5
107586	1.2	2.24	6	25	17	20	2.67	7	26	27	198	4.53	0.09	<1	1.59	640	6	0.06	<1	0.12	5	7	51	42	0.11	<1	184	1	34	5
107587	1.2	1.81	14	35	15	16	2.35	5	30	33	210	3.96	0.05	<1	1.11	488	2	0.04	1	0.12	7	6	44	36	0.10	<1	184	1	21	4
107588	1.6	2.62	13	28	17	17	2.58	6	31	37	221	3.99	0.06	<1	2.13	607	2	0.06	<1	0.14	13	6	59	36	0.21	<1	231	1	58	6
107589	2.7	3.38	57	23	56	34	1.71	29	69	40	312	5.65	0.28	<1	2.55	769	5	0.06	<1	0.14	178	12	43	58	0.14	<1	205	10	1072	4
107590	0.8	2.03	51	35	49	15	0.37	5	23	55	3644	3.82	0.82	9	0.98	442	132	0.07	28	0.09	25	6	46	36	0.10	<1	179	4	55	2
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

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FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107591	1.2	3.36	12	26	30	17	2.20	6	42	27	311	4.18	0.19	<1	2.05	589	4	0.05	<1	0.15	7	6	31	38	0.18	<1	187	1	41	6
107592	1.2	2.43	10	27	24	18	1.31	6	34	31	231	4.37	0.12	<1	1.65	504	2	0.06	<1	0.14	10	8	29	40	0.19	<1	181	1	58	6
107593	2.0	2.67	126	32	24	65	2.07	14	93	26	716	6.70	0.13	<1	1.69	656	4	0.07	1	0.11	34	15	54	76	0.10	<1	157	2	196	5
107594	1.2	1.94	1	24	31	14	3.06	4	29	18	229	3.33	0.20	<1	1.22	441	1	0.05	<1	0.11	6	3	50	29	0.13	<1	115	1	25	4
107595	1.2	1.59	491	33	28	25	2.45	5	69	18	290	3.58	0.16	<1	1.03	373	1	0.06	<1	0.12	13	6	39	32	0.13	<1	107	1	33	5
107595 recut	1.6	1.59	279	24	26	23	2.49	5	55	23	302	3.68	0.15	<1	1.06	383	1	0.06	<1	0.12	11	5	41	33	0.13	<1	111	1	32	5
107596	0.8	1.58	5	26	20	17	1.39	5	26	18	249	3.74	0.11	<1	1.16	345	1	0.06	<1	0.13	6	4	29	34	0.17	<1	129	1	23	6
107597	1.2	1.68	2	39	27	15	2.03	5	28	19	211	3.63	0.14	<1	1.16	350	<1	0.07	<1	0.14	4	4	49	32	0.19	<1	147	1	18	7
107598	1.2	1.88	<1	26	10	13	2.22	4	28	16	211	3.32	0.07	<1	0.79	270	1	0.06	<1	0.13	5	3	33	29	0.19	<1	138	1	11	7
107599	1.2	2.07	<1	27	11	12	2.52	4	27	18	209	3.09	0.07	<1	0.82	278	<1	0.04	<1	0.13	3	3	30	27	0.18	<1	133	<1	10	7
107600	0.8	1.64	<1	28	322	8	0.72	2	11	23	<1	2.14	0.79	3	0.83	494	1	0.08	<1	0.10	4	1	47	20	0.18	<1	80	1	47	1
107601	1.2	2.15	5	22	32	17	1.93	5	23	21	313	4.01	0.15	<1	1.24	583	1	0.04	<1	0.13	6	5	41	36	0.14	<1	122	<1	21	5
107602	5.8	2.11	2920	20	29	88	1.47	56	235	27	1145	7.04	0.13	<1	1.31	851	10	0.07	16	0.10	99	22	46	91	0.07	<1	139	26	3079	4
107603	1.2	1.61	6	26	19	17	2.08	5	23	17	285	3.94	0.12	<1	1.05	517	1	0.07	<1	0.14	7	4	32	35	0.18	<1	157	1	33	6
107604	0.8	1.86	<1	23	21	15	2.36	5	27	18	250	3.70	0.13	<1	1.11	498	<1	0.07	<1	0.13	7	4	38	32	0.17	<1	145	1	28	6
107605	1.2	1.87	2	26	11	17	2.33	6	27	25	218	4.14	0.08	<1	1.02	500	<1	0.07	<1	0.13	7	5	33	38	0.17	<1	165	1	24	7
107605 recut	1.2	1.89	2	26	15	17	2.37	6	27	21	217	4.17	0.09	<1	1.03	498	<1	0.08	<1	0.13	7	5	34	38	0.17	<1	166	1	22	7
107606	1.6	2.28	2	27	7	18	2.64	6	29	24	215	4.37	0.06	<1	1.27	628	1	0.07	<1	0.14	8	5	37	40	0.19	<1	189	1	29	7
107607	1.2	2.13	<1	27	7	17	2.56	6	30	24	240	4.05	0.06	<1	1.22	588	1	0.07	<1	0.14	9	4	31	37	0.21	<1	199	1	41	8
107608	1.2	1.80	1	28	18	14	2.38	6	30	26	257	3.52	0.11	<1	1.07	480	1	0.07	<1	0.15	9	3	34	31	0.21	<1	172	1	87	7
107609	1.2	1.97	1	26	26	17	2.22	5	29	21	303	3.93	0.17	<1	0.95	491	1	0.07	<1	0.14	7	4	29	35	0.18	<1	144	1	32	6
107610	1.9	1.22	42	30	39	12	0.31	4	20	47	3146	3.11	0.60	6	0.78	358	106	0.04	24	0.07	24	5	29	29	0.09	<1	136	3	45	2
107611	19.7	1.73	5117	19	21	89	2.99	31	337	22	2335	7.24	0.01	<1	1.27	932	3	0.04	22	0.05	91	19	43	110	0.02	<1	96	33	825	3
107612	2.4	2.15	40	25	17	20	1.89	7	26	30	576	4.17	0.06	2	1.65	774	3	0.04	<1	0.14	12	5	42	39	0.15	<1	169	1	72	5
107613	3.2	1.89	31	24	13	23	2.29	9	26	31	1216	4.68	0.05	<1	1.43	688	1	0.04	<1	0.12	16	5	44	45	0.12	<1	128	1	153	4
107614	1.9	1.61	19	25	18	14	3.09	10	16	34	244	3.20	0.05	<1	1.24	623	1	0.04	<1	0.12	9	3	64	28	0.14	<1	137	3	369	4
107615	9.1	3.52	1227	24	22	50	2.74	33	145	36	2334	6.90	0.18	<1	2.49	1970	20	0.04	10	0.12	33	10	51	91	0.04	<1	193	10	1227	3
107615 recut	9.8	3.54	1163	23	20	50	2.73	38	139	39	2572	6.86	0.15	<1	2.50	2023	18	0.04	10	0.13	31	11	53	93	0.05	<1	197	13	1581	4
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



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FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107616	1.2	1.65	9	25	15	16	1.16	5	18	27	305	3.74	0.08	<1	1.27	754	2	0.05	<1	0.15	7	4	20	34	0.13	<1	140	1	50	4
107617	1.2	1.76	7	26	17	16	1.45	5	18	32	280	3.66	0.09	<1	1.31	742	1	0.06	<1	0.16	7	5	25	33	0.13	<1	143	1	47	4
107618	1.2	1.59	<1	29	23	16	1.87	5	16	24	286	3.79	0.12	<1	1.11	742	1	0.06	<1	0.15	8	4	27	34	0.12	<1	133	<1	38	4
107619	1.6	1.94	53	29	27	21	2.10	9	26	24	388	4.58	0.16	<1	1.32	1003	5	0.06	<1	0.14	11	6	38	45	0.14	<1	162	1	148	5
107620	<0.5	1.45	<1	32	99	8	0.98	3	10	48	11	2.10	0.15	5	0.79	621	1	0.05	<1	0.08	28	2	104	21	0.12	<1	74	1	44	1
107621	1.2	2.02	9	30	15	16	2.26	5	23	22	260	3.74	0.10	<1	1.24	682	2	0.06	<1	0.15	6	5	50	34	0.18	<1	164	1	39	6
107622	1.2	1.63	2	35	13	13	2.12	4	26	22	206	3.23	0.08	<1	0.83	439	2	0.06	3	0.15	6	4	37	28	0.18	<1	134	<1	23	6
107623	1.2	1.82	<1	30	9	11	2.33	4	26	17	181	2.88	0.06	<1	0.77	367	1	0.06	<1	0.16	8	3	35	25	0.19	<1	134	<1	29	7
107624	31.1	2.84	63	27	38	26	3.24	63	38	39	827	4.75	0.32	<1	1.71	1133	2	0.05	8	0.14	883	12	93	47	0.09	<1	174	41	4968	3
107625	2.4	1.67	445	19	21	19	1.88	7	20	22	209	4.20	0.13	<1	1.39	513	1	0.03	2	0.09	11	14	35	38	0.07	<1	150	1	118	2
107625 recut	2.8	1.74	473	19	25	20	2.00	7	22	22	223	4.33	0.13	<1	1.43	530	1	0.03	2	0.09	12	16	38	40	0.08	<1	152	1	124	2
107626	4.3	1.69	294	18	31	15	3.18	7	22	16	195	3.26	0.19	<1	1.28	975	7	0.02	5	0.08	39	7	89	27	0.04	<1	101	2	252	1
107626 chk	3.7	2.65	424	16	46	21	3.77	10	32	24	285	4.46	0.27	<1	1.79	1427	11	0.02	4	0.09	49	12	117	41	0.07	<1	151	3	338	2
107627	3.3	1.79	313	18	36	16	2.57	20	25	19	182	3.48	0.19	<1	1.44	959	7	0.03	5	0.10	74	8	59	30	0.05	<1	118	8	1041	2
107628	3.7	1.96	165	20	29	20	2.63	10	30	22	245	3.67	0.17	<1	1.56	1008	1	0.03	4	0.11	42	5	64	32	0.06	<1	135	3	374	2
107629	1.6	2.18	15	21	22	16	2.03	6	23	29	123	3.76	0.11	<1	1.81	840	1	0.03	<1	0.12	9	5	50	33	0.14	<1	201	1	45	5
107630	1.6	1.27	38	23	34	11	0.30	4	18	40	2764	2.95	0.59	5	0.71	327	99	0.05	23	0.08	21	4	36	25	0.09	<1	128	2	41	2
107631	6.6	2.13	23	19	13	94	2.61	13	49	28	441	5.30	0.10	<1	1.62	895	1	0.05	6	0.11	187	8	60	55	0.08	<1	180	2	301	4
107632	2.8	2.15	446	19	18	20	2.38	9	24	27	188	4.15	0.10	<1	1.57	968	3	0.03	3	0.11	16	13	56	38	0.08	<1	174	2	266	3
107633	2.3	2.32	100	19	24	15	2.54	7	21	33	187	3.45	0.19	<1	1.79	861	1	0.04	3	0.12	26	6	57	30	0.08	<1	181	1	132	3
107634	2.5	2.43	69	21	32	21	2.40	7	25	32	193	4.49	0.20	<1	1.74	928	1	0.03	5	0.11	28	9	54	41	0.08	<1	181	1	89	3
107635	2.1	2.36	40	20	26	17	1.85	6	23	36	193	3.96	0.15	<1	1.80	906	41	0.03	3	0.11	23	6	36	36	0.09	<1	200	1	53	3
107635 recut	1.9	2.39	43	18	25	17	1.80	6	24	34	198	3.95	0.15	<1	1.81	902	50	0.03	3	0.11	26	6	35	36	0.09	<1	202	1	50	3
107636	2.3	2.50	38	16	75	18	2.59	6	27	33	223	4.15	0.19	<1	1.86	889	2	0.04	5	0.12	28	7	53	38	0.09	<1	198	1	48	3
107637	2.0	2.44	14	18	25	18	2.38	6	24	31	209	4.23	0.08	<1	2.01	813	3	0.03	<1	0.13	6	6	46	39	0.14	<1	238	1	51	3
107638	1.6	2.24	4	16	21	22	1.30	7	20	21	341	4.92	0.11	<1	1.84	727	4	0.03	<1	0.07	7	6	35	48	0.10	<1	150	1	52	2
107639	1.2	1.48	4	21	18	9	2.55	3	12	42	81	2.20	0.08	<1	1.21	556	3	0.04	<1	0.14	6	3	47	18	0.10	<1	196	1	35	3
107640	1.2	1.57	<1	18	438	8	1.60	3	8	26	46	2.15	0.84	3	0.68	567	1	0.05	<1	0.08	76	2	44	22	0.11	<1	73	3	62	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107641	1.2	1.44	11	23	25	10	2.18	3	18	25	207	2.44	0.08	<1	1.03	494	4	0.04	7	0.13	11	1	51	21	0.08	<1	135	1	56	2
107641 chk	1.2	1.61	12	18	31	10	2.26	4	20	26	236	2.67	0.14	<1	1.16	552	3	0.06	10	0.16	11	1	54	21	0.08	<1	150	<1	60	2
107642	1.6	1.90	7	20	15	14	2.25	5	25	27	181	3.36	0.05	<1	1.66	463	1	0.05	<1	0.13	14	<1	39	29	0.13	<1	163	1	76	4
107643	1.6	2.48	11	23	13	18	2.70	6	28	34	212	4.03	0.06	<1	2.20	592	1	0.05	<1	0.14	19	1	50	36	0.13	<1	207	1	82	5
107644	10.3	2.51	13	22	21	17	2.19	6	29	33	224	3.96	0.05	<1	2.16	616	3	0.05	<1	0.13	8	3	39	36	0.12	<1	181	1	90	4
107645	8.6	2.60	63	25	20	40	3.12	56	29	33	251	4.06	0.10	<1	2.20	719	12	0.05	1	0.12	846	2	58	36	0.11	<1	170	27	3202	4
107645 recut	1.6	2.67	58	20	20	37	3.01	49	30	34	253	4.15	0.10	<1	2.25	732	8	0.05	1	0.13	693	2	55	37	0.11	<1	174	23	2772	4
107646	1.6	2.52	24	23	17	18	1.90	7	32	33	248	4.00	0.05	<1	2.07	585	2	0.06	<1	0.15	30	6	34	36	0.14	<1	187	1	134	5
107647	1.2	2.52	57	20	25	34	1.48	9	37	32	414	5.14	0.12	<1	1.93	687	3	0.05	1	0.13	23	6	33	51	0.10	<1	173	2	125	4
107648	0.8	1.67	6	24	22	16	2.55	5	33	22	270	3.70	0.11	<1	1.24	424	1	0.06	<1	0.14	19	1	45	33	0.12	<1	114	<1	62	4
107649	0.8	1.51	3	22	20	14	1.79	5	31	19	234	3.20	0.09	<1	0.94	274	1	0.07	<1	0.14	15	<1	32	28	0.14	<1	110	1	100	5
107650	1.2	1.79	51	33	47	16	0.37	5	24	54	3753	3.85	0.78	7	0.97	451	139	0.05	29	0.09	27	3	44	36	0.10	<1	171	3	82	2
107651	1.2	1.93	16	20	23	21	2.33	6	31	26	340	4.17	0.13	<1	1.38	413	1	0.05	<1	0.13	9	2	53	38	0.14	<1	135	1	71	5
107652	1.2	1.86	2	25	12	16	2.26	5	34	22	241	3.81	0.08	<1	1.12	297	1	0.08	<1	0.14	13	<1	38	34	0.19	<1	147	1	73	7
107653	0.8	1.90	1	25	13	13	2.48	5	31	23	244	3.45	0.07	<1	1.17	306	1	0.07	<1	0.15	8	<1	49	30	0.19	<1	141	1	73	7
107654	<0.5	2.24	3	21	23	17	2.77	6	35	30	287	4.04	0.12	<1	1.52	433	1	0.06	<1	0.15	6	1	58	37	0.15	<1	177	1	65	5
107655	1.2	2.18	1	18	30	15	2.63	5	32	24	258	3.65	0.15	<1	1.12	321	1	0.06	<1	0.15	8	<1	40	33	0.15	<1	138	<1	58	6
107655 recut	0.8	1.50	<1	21	21	11	2.29	4	25	16	189	2.92	0.10	<1	0.85	234	<1	0.04	<1	0.12	7	<1	31	22	0.12	<1	103	<1	42	4
107656	1.2	1.43	5	18	16	13	2.24	4	30	22	232	3.41	0.08	<1	1.00	290	1	0.05	<1	0.12	10	1	33	27	0.11	<1	115	<1	44	5
107657	18.3	1.74	9	20	18	12	2.57	4	24	22	269	3.24	0.09	<1	1.29	464	0	0.05	<1	0.12	6	1	48	25	0.12	<1	137	<1	49	4
107658	1.6	1.33	241	15	34	91	2.36	62	51	14	6145	7.53	0.20	<1	0.88	534	34	0.03	17	0.06	312	5	66	99	0.02	<1	71	19	2559	3
107659	<0.5	2.02	7	17	40	19	2.20	6	18	30	509	3.89	0.17	<1	1.62	832	2	0.04	2	0.12	22	1	48	32	0.08	<1	165	<1	122	3
107660	2.8	1.46	<1	21	401	7	0.56	2	9	25	25	2.04	0.76	2	0.78	534	<1	0.06	<1	0.07	5	<1	36	18	0.12	<1	72	<1	88	1
107661	0.8	2.22	39	16	33	37	2.21	15	27	23	1739	5.44	0.22	<1	1.58	851	1	0.05	10	0.11	57	1	37	50	0.05	<1	128	3	451	3
107662	0.8	1.35	1	17	16	13	1.84	4	14	19	168	3.19	0.08	<1	0.96	429	<1	0.05	2	0.10	13	1	31	25	0.09	<1	109	<1	79	3
107663	<0.5	1.38	1	16	16	12	1.57	4	24	18	204	3.05	0.10	<1	0.65	259	<1	0.05	1	0.13	6	<1	21	24	0.11	<1	96	<1	55	4
107664	1.2	1.23	3	19	17	13	1.22	4	25	18	216	3.31	0.10	<1	0.78	284	<1	0.06	<1	0.14	8	<1	22	26	0.12	<1	101	<1	67	4
107665	1.2	1.39	2	20	16	13	1.83	5	27	17	242	3.44	0.10	<1	0.91	352	<1	0.06	<1	0.14	18	<1	29	27	0.13	<1	118	<1	89	5
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



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To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107665 recut	1.2	1.41	2	19	16	14	1.84	5	28	18	250	3.50	0.10	<1	0.94	362	<1	0.06	<1	0.14	20	<1	29	28	0.13	<1	119	<1	86	5
107666	4.0	1.45	4	16	20	13	1.83	5	25	17	248	3.45	0.11	<1	1.00	404	<1	0.04	<1	0.14	16	<1	28	28	0.11	<1	124	<1	77	4
107667	1.6	2.63	173	14	19	23	3.19	9	36	32	921	4.69	0.16	<1	1.99	901	1	0.04	6	0.11	39	1	59	41	0.07	<1	200	1	195	3
107668	1.2	2.81	4	19	16	23	2.81	8	28	33	276	5.05	0.07	<1	2.00	862	1	0.04	1	0.13	6	1	48	46	0.11	<1	233	<1	70	5
107669	1.2	2.09	5	17	23	18	2.21	6	29	26	181	4.51	0.10	<1	1.38	555	<1	0.04	<1	0.13	5	1	38	38	0.13	<1	168	<1	61	5
107670	0.8	1.57	43	25	43	13	0.36	4	22	47	3308	3.52	0.69	6	0.84	405	117	0.06	27	0.09	23	2	44	30	0.09	<1	153	2	74	2
107671	1.2	1.93	9	16	14	17	2.69	6	26	27	200	4.19	0.07	<1	1.27	613	<1	0.05	<1	0.14	10	1	41	35	0.13	<1	170	<1	71	5
107672	1.2	1.59	6	21	12	16	2.14	5	24	25	199	3.71	0.04	<1	1.07	510	1	0.04	<1	0.12	7	5	28	33	0.11	<1	156	1	53	4
107672 chk	1.2	1.52	5	19	13	13	2.00	5	23	23	186	3.47	0.07	<1	1.03	475	<1	0.05	1	0.13	7	3	27	29	0.10	<1	144	<1	51	4
107673	1.2	1.63	3	20	9	16	2.11	6	22	22	215	3.88	0.05	<1	1.03	520	1	0.05	<1	0.12	17	5	29	35	0.10	<1	129	1	57	4
107674	1.2	1.45	5	21	11	16	2.48	5	25	20	211	3.86	0.06	<1	0.89	528	1	0.05	1	0.12	9	5	31	34	0.10	<1	122	1	30	4
107675	13.2	1.81	661	15	13	47	3.16	23	175	23	2944	7.52	0.07	<1	1.30	1153	16	0.03	16	0.08	25	12	43	93	0.03	<1	121	5	563	3
107675 recut	13.3	1.85	626	19	13	48	3.15	23	171	24	3041	7.45	0.07	<1	1.34	1200	16	0.03	16	0.08	25	13	44	94	0.03	<1	130	5	544	3
107676	3.6	2.61	78	16	23	28	3.31	9	70	28	959	5.59	0.13	<1	2.05	1785	12	0.02	7	0.11	13	7	50	56	0.04	<1	177	1	78	2
107677	0.8	2.50	13	19	19	19	2.72	6	23	30	423	4.44	0.08	<1	1.99	1524	1	0.03	4	0.13	11	5	38	41	0.07	<1	195	1	66	3
107678	2.4	1.63	221	21	23	25	2.01	7	39	22	972	5.14	0.12	<1	1.15	685	4	0.04	7	0.13	12	6	30	50	0.07	<1	120	1	54	3
107679	2.8	2.79	1465	17	28	37	1.69	18	201	32	717	6.12	0.18	<1	2.23	1525	9	0.04	11	0.14	17	9	36	63	0.04	<1	160	6	587	2
107680	0.8	1.44	3	22	250	7	0.74	2	8	20	8	2.02	0.57	1	0.77	511	1	0.05	<1	0.06	5	2	62	18	0.09	<1	60	1	47	1
107681	1.2	1.52	11	26	15	19	2.21	5	20	21	194	3.27	0.07	<1	1.05	732	1	0.05	<1	0.14	15	4	31	28	0.11	<1	132	1	70	4
107682	1.2	1.76	3	20	15	12	2.70	4	21	25	224	3.11	0.08	<1	0.75	427	1	0.05	<1	0.14	13	3	35	27	0.13	<1	139	1	53	5
107683	1.5	1.61	<1	15	16	11	1.63	4	18	16	141	3.22	0.10	<1	0.72	303	1	0.05	1	0.12	4	2	21	26	0.08	<1	105	1	50	4
107684	2.0	2.54	1	19	19	17	3.31	6	22	27	183	4.56	0.11	<1	1.94	742	1	0.03	7	0.10	4	4	98	40	0.04	<1	185	<1	40	2
107685	2.0	2.68	<1	15	26	18	3.06	6	18	27	142	4.34	0.16	<1	2.09	758	1	0.04	6	0.11	4	3	88	38	0.05	<1	183	<1	45	2
107685 recut	2.3	2.68	<1	14	27	17	3.07	6	18	27	145	4.32	0.18	<1	2.08	762	1	0.04	7	0.11	4	4	90	38	0.05	<1	184	<1	47	2
107686	2.0	2.48	<1	16	32	17	3.22	5	15	28	118	4.11	0.16	<1	1.92	735	1	0.04	6	0.11	3	4	100	35	0.04	<1	185	<1	40	2
107687	2.4	2.83	9	15	38	18	2.99	6	16	29	113	4.24	0.21	<1	2.10	723	2	0.04	9	0.11	3	4	106	37	0.02	<1	187	<1	42	2
107688	1.6	2.58	4	14	42	16	2.92	5	17	28	121	4.18	0.17	<1	2.02	679	1	0.04	7	0.11	3	4	93	35	0.04	<1	199	<1	36	2
107689	1.2	2.66	8	15	43	15	3.04	5	19	31	129	4.08	0.19	<1	2.09	742	1	0.04	5	0.12	4	4	84	35	0.07	<1	202	<1	36	3
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
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30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107690	1.2	1.42	43	25	37	12	0.34	4	20	42	3164	3.33	0.61	6	0.75	376	117	0.05	27	0.08	21	4	42	29	0.07	<1	132	2	48	2
107691	2.4	2.86	23	16	40	18	3.52	7	24	25	313	4.76	0.25	<1	2.07	827	4	0.04	7	0.11	10	6	114	42	0.05	<1	172	<1	55	2
107692	1.2	2.04	6	18	53	12	3.10	4	19	31	143	3.39	0.25	<1	1.52	539	7	0.07	5	0.13	3	3	138	28	0.05	<1	162	<1	25	2
107693	1.6	2.95	12	16	87	19	2.55	7	25	23	169	4.77	0.44	<1	2.07	555	1	0.04	13	0.14	4	4	280	44	0.01	<1	159	<1	31	2
107694	1.6	2.59	4	16	60	16	2.86	5	15	25	102	4.11	0.30	<1	1.88	561	1	0.04	9	0.11	4	4	198	36	0.01	<1	150	<1	27	2
107695	1.9	2.22	27	14	72	13	3.64	5	17	15	116	3.59	0.41	1	1.49	610	6	0.03	13	0.11	4	3	580	31	<0.01	<1	98	<1	21	1
107695 recut	1.6	2.19	27	16	70	13	3.68	5	17	16	112	3.61	0.40	1	1.49	605	5	0.02	13	0.11	4	3	591	30	<0.01	<1	97	<1	21	1
107696	2.3	3.00	18	15	56	17	3.14	6	22	22	132	4.43	0.34	<1	2.06	666	1	0.02	11	0.11	5	5	236	40	0.01	<1	133	<1	37	1
107697	2.0	2.38	10	15	27	14	4.06	6	15	23	132	3.70	0.17	<1	1.60	848	1	0.02	7	0.09	3	5	146	31	0.02	<1	143	<1	62	1
107698	1.9	2.78	4	14	28	18	3.26	6	19	31	177	4.45	0.13	<1	2.01	824	1	0.03	6	0.10	3	5	108	40	0.06	<1	204	<1	45	3
107699	1.9	3.04	1	13	31	17	3.24	6	13	27	180	4.31	0.22	<1	2.03	892	1	0.03	8	0.11	4	3	95	38	0.04	<1	163	<1	54	1
107700	0.8	1.14	<1	19	324	4	0.62	1	6	28	3	1.38	0.57	4	0.51	344	<1	0.07	<1	0.05	3	1	34	14	0.07	<1	43	<1	23	1
107701	2.1	2.95	11	15	33	19	3.32	6	14	27	131	4.57	0.25	<1	1.97	790	1	0.03	5	0.11	5	5	145	41	0.06	<1	184	<1	43	2
107702	4.4	0.96	132	9	19	56	2.56	21	193	12	1355	8.10	0.16	<1	0.59	272	18	0.02	27	0.03	10	12	101	131	0.01	<1	42	1	9	4
107703	2.0	2.42	15	27	47	16	3.50	6	23	26	167	4.04	0.32	<1	1.62	593	12	0.02	7	0.12	3	6	134	35	0.08	<1	150	1	63	2
107703 chk	1.2	3.01	15	25	80	15	3.18	6	24	29	179	3.95	0.59	<1	1.75	633	11	0.07	6	0.15	4	6	140	35	0.09	<1	185	1	65	3
107704	1.6	2.55	9	26	39	18	3.38	6	27	32	153	4.48	0.19	<1	1.89	651	3	0.02	<1	0.11	4	6	104	39	0.12	<1	193	1	68	3
107705	2.0	2.45	3	24	45	18	3.29	6	29	36	180	4.54	0.14	<1	1.89	670	1	0.02	<1	0.11	4	5	83	41	0.15	<1	218	1	76	6
107705 recut	1.9	2.55	3	25	45	18	3.22	7	28	33	164	4.51	0.16	<1	1.94	684	1	0.03	<1	0.11	4	5	84	40	0.16	<1	224	1	79	6
107706	2.0	3.21	2	23	32	19	3.42	7	22	37	152	4.73	0.15	<1	2.40	864	1	0.03	<1	0.12	3	5	93	42	0.14	<1	242	1	87	5
107707	1.9	3.21	2	23	43	19	3.56	7	21	35	110	4.57	0.16	<1	2.32	852	1	0.03	<1	0.11	3	5	104	41	0.14	<1	233	1	73	5
107708	2.0	3.40	4	26	66	19	3.70	7	24	33	110	4.73	0.34	<1	2.20	852	2	0.03	<1	0.12	3	7	118	43	0.14	<1	216	1	76	4
107709	2.0	3.33	5	22	44	20	3.50	7	23	34	241	4.84	0.30	<1	2.36	873	3	0.03	1	0.11	4	6	165	44	0.11	<1	208	1	78	3
107710	1.6	1.75	50	35	48	15	0.37	5	23	57	3866	3.87	0.78	9	0.99	440	130	0.05	29	0.08	27	6	37	35	0.10	<1	173	3	81	3
107711	2.3	3.24	9	19	43	23	3.06	9	21	38	283	5.37	0.23	<1	2.50	888	7	0.02	1	0.11	5	7	91	51	0.09	<1	240	1	95	3
107712	2.0	2.75	13	23	49	22	3.49	21	36	35	297	5.29	0.22	<1	2.06	928	4	0.03	<1	0.11	5	6	96	49	0.10	<1	196	7	785	4
107713	2.0	2.57	11	24	21	22	4.09	15	16	32	323	5.07	0.08	<1	1.32	823	1	0.03	<1	0.10	12	7	72	47	0.11	<1	164	5	477	5
107714	4.7	3.13	10	24	30	22	2.16	8	34	48	284	5.09	0.13	<1	2.19	1219	22	0.06	<1	0.14	8	8	52	48	0.19	<1	270	29	128	7
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107715	2.8	4.91	8	27	23	36	2.41	14	37	67	252	7.07	0.11	<1	3.31	2226	173	0.04	15	0.14	34	9	53	78	0.11	<1	415	2	154	5
107715 recut	2.8	4.99	8	27	24	38	2.36	14	41	73	278	7.29	0.12	<1	3.29	2251	187	0.04	15	0.13	39	10	52	82	0.12	<1	432	2	158	5
107716	2.0	2.62	3	18	17	17	2.17	7	21	42	144	4.18	0.08	<1	2.05	1177	7	0.03	<1	0.10	10	4	41	37	0.15	<1	244	1	136	4
107717	2.7	3.09	2	21	33	23	2.36	8	28	44	245	5.04	0.17	<1	2.34	1276	103	0.01	8	0.11	8	5	57	49	0.12	<1	246	1	99	4
107718	3.6	2.27	3	24	15	35	2.46	13	64	30	453	6.48	0.07	<1	1.74	1058	309	0.01	60	0.15	12	9	49	77	0.06	<1	270	1	71	4
107719	2.0	1.86	3	27	23	16	2.36	6	45	26	307	4.11	0.12	<1	1.17	353	227	0.02	12	0.11	5	5	43	37	0.13	<1	150	<1	45	4
107720	1.2	1.62	<1	23	251	7	1.07	2	8	30	7	2.03	0.60	2	0.72	504	8	0.05	<1	0.06	5	1	135	17	0.12	<1	77	1	69	1
107721	2.0	2.15	4	23	35	12	2.63	4	23	30	183	3.11	0.20	<1	1.32	395	203	0.03	<1	0.14	3	3	36	26	0.14	<1	175	<1	58	4
107722	1.6	2.22	8	23	38	14	1.44	5	26	32	180	3.59	0.19	<1	1.87	492	242	0.05	<1	0.13	5	4	29	31	0.16	<1	205	1	92	5
107723	<0.5	2.13	15	21	21	14	1.63	5	32	30	229	3.57	0.09	<1	1.84	491	5	0.07	<1	0.15	9	5	47	30	0.20	<1	189	1	97	7
107724	0.8	1.98	15	20	23	17	2.33	6	30	27	257	3.85	0.12	<1	1.64	445	8	0.06	<1	0.13	37	5	47	34	0.19	<1	175	1	108	6
107725	0.8	2.67	7	21	15	16	2.74	6	29	36	218	4.06	0.08	<1	2.32	564	1	0.07	<1	0.15	7	4	56	35	0.21	<1	254	<1	86	7
107725 recut	0.8	2.72	7	21	13	17	2.75	6	28	36	213	4.05	0.07	<1	2.34	572	1	0.06	<1	0.15	8	4	55	36	0.21	<1	254	<1	85	7
107726	1.2	2.94	13	22	12	16	2.82	6	31	41	232	4.05	0.06	<1	2.58	609	1	0.06	<1	0.15	6	6	61	35	0.21	<1	277	<1	91	7
107727	0.8	3.02	9	23	21	14	1.30	6	32	45	253	3.85	0.07	<1	2.86	650	1	0.06	<1	0.17	4	5	25	33	0.23	<1	302	1	120	7
107728	<0.5	2.19	13	27	30	10	1.14	4	30	34	234	2.87	0.10	<1	1.94	431	1	0.08	<1	0.18	4	4	29	23	0.25	<1	203	1	107	8
107729	1.2	3.48	11	25	55	19	2.47	7	28	38	213	4.17	0.38	<1	2.50	685	211	0.04	<1	0.25	10	8	50	38	0.13	<1	244	1	91	4
107730	0.8	1.91	47	30	47	13	0.36	5	22	56	3525	3.63	0.78	9	0.97	429	125	0.06	28	0.09	25	5	45	33	0.11	<1	180	2	81	2
107731	1.2	2.30	6	21	41	15	3.02	6	31	35	238	3.85	0.25	<1	1.69	486	58	0.05	<1	0.15	6	5	59	33	0.15	<1	221	<1	73	5
107732	<0.5	1.55	2	25	33	10	2.26	4	31	18	217	2.68	0.15	<1	1.07	252	1	0.08	<1	0.16	4	3	49	22	0.22	<1	136	<1	67	7
107733	<0.5	1.95	3	27	22	10	2.58	4	29	20	216	2.76	0.11	<1	1.22	303	2	0.08	<1	0.16	5	3	43	22	0.26	<1	162	<1	81	8
107734	2.0	2.64	8	23	25	16	3.39	1	44	27	345	1.95	0.08	<1	1.94	355	2	0.04	13	0.14	6	6	49	35	0.16	<1	144	1	21	2
107735	1.6	2.58	5	24	24	12	3.34	1	28	24	199	1.79	0.07	<1	1.78	322	2	0.04	8	0.14	3	3	42	26	0.17	<1	121	1	21	3
107735 recut	1.6	2.71	5	22	26	12	3.42	1	28	23	195	1.81	0.10	<1	1.83	327	1	0.04	9	0.14	4	3	43	27	0.18	<1	127	1	22	4
107736	1.2	1.66	1	29	14	10	3.34	1	27	24	191	1.73	0.06	1	1.42	274	1	0.07	10	0.13	5	3	50	24	0.20	<1	126	1	27	4
107737	1.6	2.18	5	31	13	14	2.66	1	33	24	223	1.89	0.05	<1	1.68	325	4	0.07	12	0.14	8	6	46	31	0.19	<1	128	1	23	4
107738	1.6	2.36	1	33	25	15	3.08	1	28	28	214	1.98	0.12	<1	1.76	418	1	0.06	10	0.13	19	5	46	33	0.18	<1	141	1	38	4
107739	1.2	1.79	<1	30	16	14	3.44	1	33	23	243	1.85	0.07	<1	1.38	307	1	0.07	11	0.14	15	4	56	30	0.19	<1	131	1	33	4
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
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 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

FILE: 6 0 1 3 3

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107740	0.8	1.74	<1	31	194	7	1.22	<1	8	37	<1	1.45	0.48	4	0.71	463	1	0.06	3	0.06	6	2	160	18	0.12	<1	46	1	40	<1
107741	1.2	1.70	<1	29	15	13	3.47	1	30	22	198	1.80	0.05	<1	1.33	283	1	0.06	9	0.13	6	4	54	28	0.20	<1	129	1	20	4
107742	1.6	1.85	<1	27	15	14	2.89	1	36	23	255	1.89	0.04	<1	1.47	265	1	0.05	13	0.14	6	4	46	31	0.18	<1	123	1	25	4
107743	1.6	2.19	<1	29	17	15	2.91	1	34	25	262	1.90	0.06	<1	1.63	274	1	0.06	13	0.14	3	4	47	32	0.20	<1	125	1	26	4
107744	1.6	3.07	3	27	12	19	3.38	1	40	34	268	2.00	0.07	<1	2.42	410	2	0.05	13	0.15	6	6	57	40	0.18	<1	157	1	37	3
107745	2.4	4.64	15	31	12	27	3.06	2	65	43	556	2.01	0.09	<1	3.35	573	4	0.05	25	0.15	5	6	43	59	0.14	<1	184	1	50	1
107745 recut	2.5	4.83	17	33	14	28	3.08	2	67	46	575	2.10	0.10	<1	3.45	584	4	0.05	25	0.15	6	6	43	60	0.15	<1	188	1	51	1
107746	1.2	1.30	3	31	9	8	2.19	1	14	14	91	1.28	0.04	<1	1.01	190	1	0.02	4	0.08	3	3	33	17	0.11	<1	76	1	18	2
107747	2.0	1.93	8	30	16	15	3.10	1	27	23	198	1.63	0.09	<1	1.46	304	2	0.04	10	0.12	14	5	49	33	0.16	<1	125	1	33	3
107748	1.6	2.07	12	27	16	14	3.32	1	24	25	153	1.64	0.06	<1	1.70	386	2	0.05	8	0.13	7	4	56	32	0.17	<1	153	1	31	3
107749	1.6	2.11	12	32	24	16	2.91	1	25	24	173	1.65	0.11	<1	1.79	415	1	0.05	9	0.14	11	5	50	34	0.16	<1	142	1	39	3
107750	1.6	1.57	52	35	43	15	0.31	1	20	48	3009	1.74	0.69	10	0.81	320	135	0.05	33	0.08	27	6	34	35	0.10	<1	122	3	46	1
107751	5.3	2.66	1508	28	40	27	3.08	2	26	29	179	1.69	0.17	<1	2.25	505	3	0.04	8	0.13	110	7	59	35	0.12	<1	146	1	70	1
107752	1.6	1.80	22	31	27	17	2.20	1	28	24	206	1.72	0.10	<1	1.58	332	2	0.07	10	0.15	12	5	43	38	0.19	<1	124	1	26	5
107753	5.6	3.00	1633	33	26	29	3.68	3	31	37	215	1.71	0.15	<1	2.44	620	4	0.04	11	0.13	190	6	63	42	0.12	<1	179	2	140	1
107754	1.9	2.69	9	28	21	22	3.41	1	28	33	264	1.66	0.15	<1	2.15	538	1	0.05	9	0.14	9	6	61	45	0.16	<1	187	1	41	2
107755	2.0	2.33	14	35	33	16	3.89	1	30	33	212	1.63	0.16	<1	1.90	445	2	0.06	11	0.14	9	5	86	35	0.20	<1	192	1	32	4
107755 recut	1.6	2.51	15	31	35	17	4.01	1	30	33	222	1.62	0.16	<1	1.99	489	3	0.06	11	0.14	8	5	92	37	0.20	<1	197	1	35	4
107756	2.1	2.66	25	37	41	24	3.95	1	37	30	276	1.72	0.20	<1	2.05	483	15	0.06	14	0.15	21	10	239	47	0.17	<1	179	1	37	1
107757	8.4	2.19	24	37	27	58	4.06	4	92	28	948	1.60	0.13	<1	1.40	658	811	0.05	88	0.26	33	21	216	123	0.06	<1	282	1	41	<1
107758	1.2	1.92	1	37	20	16	2.85	1	29	30	233	1.64	0.10	<1	1.64	360	3	0.07	10	0.14	21	4	70	37	0.21	<1	144	1	36	4
107759	1.6	2.77	4	34	21	20	3.08	6	32	45	242	1.70	0.11	<1	2.44	420	3	0.06	13	0.14	25	6	87	43	0.20	<1	208	3	274	3
107760	<0.5	2.03	<1	36	566	10	0.56	<1	12	22	<1	1.53	0.91	7	1.05	456	2	0.08	1	0.11	6	2	42	30	0.17	<1	48	1	54	<1
107761	2.0	4.17	2	29	41	30	1.27	3	29	59	175	1.72	0.16	<1	3.00	1421	33	0.07	15	0.16	11	9	22	65	0.17	<1	275	2	117	1
107762	1.9	2.97	3	30	24	23	1.84	2	24	53	166	1.68	0.09	<1	2.24	1074	3	0.06	13	0.13	12	8	28	50	0.16	<1	232	1	90	2
107763	2.4	3.56	<1	26	32	30	1.66	3	24	47	172	1.77	0.18	<1	2.49	1212	11	0.06	12	0.16	16	9	27	64	0.12	<1	215	2	152	<1
107764	2.0	3.80	<1	32	45	27	2.42	3	25	55	210	1.71	0.24	<1	2.67	1130	19	0.06	17	0.14	11	8	44	58	0.17	<1	240	2	135	1
107765	3.6	2.10	2	25	13	34	2.04	2	53	38	368	1.89	0.08	<1	1.60	699	147	0.04	39	0.14	12	8	40	69	0.06	<1	155	<1	37	4
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

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To: Rotation Minerals
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 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

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30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107765 recut	3.5	2.17	2	26	15	34	2.01	2	52	41	362	1.83	0.08	<1	1.65	719	167	0.05	45	0.14	12	7	40	69	0.06	<1	161	<1	46	4
107766	1.2	2.34	1	24	36	13	2.03	1	24	30	177	1.73	0.22	<1	1.22	358	77	0.03	14	0.13	5	4	22	28	0.08	<1	97	<1	16	3
107767	2.3	1.81	2	19	<1	45	1.63	2	124	18	530	1.80	0.06	<1	0.98	300	30	0.06	56	0.07	11	11	22	95	0.05	7	121	<1	10	4
107768	1.2	2.42	3	43	52	15	2.53	1	33	24	205	1.78	0.28	<1	1.28	350	86	0.05	11	0.11	5	4	32	35	0.10	<1	113	<1	29	4
107769	1.5	2.78	5	36	58	19	1.96	2	23	34	195	1.76	0.29	<1	1.84	561	21	0.06	9	0.12	7	5	28	40	0.11	<1	151	<1	113	4
107770	0.8	1.61	46	46	45	14	0.33	1	21	48	3061	1.85	0.71	8	0.83	343	121	0.07	34	0.08	23	5	42	31	0.09	<1	131	<1	48	2
107771	1.2	2.07	6	52	29	15	1.94	1	31	27	214	1.71	0.14	<1	1.57	393	3	0.08	11	0.14	7	5	34	31	0.15	<1	132	<1	46	5
107772	0.8	2.21	11	50	23	17	1.13	2	31	29	186	1.79	0.09	<1	1.75	344	3	0.08	12	0.15	8	5	23	35	0.15	<1	140	<1	53	5
107773	1.2	3.00	14	50	35	22	1.35	3	33	36	225	1.78	0.16	<1	2.48	529	6	0.08	12	0.14	44	6	23	42	0.13	<1	197	<1	102	5
107774	3.6	1.45	8	39	<1	74	2.27	5	151	8	665	1.72	0.05	<1	0.97	925	384	0.07	180	0.09	18	14	40	158	0.02	30	99	<1	24	6
107775	3.1	3.93	14	46	21	31	2.61	2	57	33	442	1.69	0.15	<1	2.96	921	221	0.03	25	0.20	8	9	47	66	0.07	<1	361	<1	63	4
107775 recut	2.4	3.94	14	49	21	30	2.76	2	54	36	405	1.75	0.15	<1	2.95	920	235	0.03	23	0.20	8	9	50	64	0.07	<1	365	<1	64	4
107776	2.0	3.07	12	48	30	21	3.40	1	40	30	316	1.71	0.16	<1	2.22	733	212	0.03	15	0.14	7	7	74	46	0.08	<1	250	<1	38	4
107777	0.8	3.36	12	48	65	25	2.67	2	35	40	283	1.75	0.36	<1	2.29	657	50	0.07	11	0.14	10	8	50	49	0.11	<1	205	<1	56	5
107778	1.2	2.11	10	50	48	13	1.88	1	32	25	208	1.62	0.15	<1	1.54	332	5	0.11	10	0.16	5	4	46	28	0.16	<1	130	<1	25	6
107779	0.8	2.42	10	57	40	14	2.51	1	34	28	234	1.65	0.18	<1	1.58	285	4	0.08	12	0.15	5	5	46	30	0.15	<1	122	<1	16	6
107780	0.8	2.09	<1	53	601	8	0.67	<1	12	36	<1	1.51	0.99	4	1.11	656	1	0.08	2	0.09	3	2	43	23	0.15	<1	57	<1	48	1
107781	0.8	1.55	7	39	23	13	1.65	1	30	21	173	1.54	0.08	<1	1.23	197	1	0.06	9	0.13	6	6	28	26	0.12	<1	103	<1	12	5
107782	0.8	1.39	7	37	25	12	1.14	1	26	20	167	1.56	0.07	<1	1.09	169	1	0.07	10	0.14	6	5	32	26	0.14	<1	83	<1	14	6
107783	<0.5	1.26	3	43	18	10	1.77	1	21	20	129	1.47	0.05	<1	1.04	172	3	0.07	8	0.15	4	3	35	20	0.13	<1	87	<1	12	5
107784	0.8	1.33	6	42	14	12	1.63	1	27	17	174	1.50	0.05	<1	1.12	190	1	0.06	9	0.15	6	5	32	24	0.15	<1	89	<1	14	5
107785	0.8	1.55	4	43	20	14	1.68	1	29	20	203	1.60	0.08	<1	1.37	246	1	0.07	9	0.15	7	3	32	28	0.16	<1	111	<1	22	6
107785 recut	0.8	1.55	4	49	21	14	1.68	1	31	19	209	1.56	0.09	<1	1.34	242	1	0.08	11	0.15	7	3	32	29	0.17	<1	110	<1	22	7
107786	1.6	2.36	229	39	18	20	2.53	7	47	28	243	1.50	0.09	<1	2.08	489	2	0.06	9	0.12	111	5	48	35	0.13	<1	164	2	479	5
107787	0.8	2.06	10	46	13	14	2.58	1	26	28	171	1.49	0.06	<1	1.73	417	1	0.08	10	0.15	11	3	48	28	0.16	<1	153	<1	30	6
107788	1.6	2.78	6	39	45	24	2.43	1	26	28	411	1.48	0.28	<1	2.08	599	17	0.06	9	0.13	24	5	48	41	0.10	<1	140	<1	64	5
107789	1.2	2.85	7	41	27	21	2.51	1	24	29	245	1.56	0.13	<1	2.15	589	7	0.05	9	0.14	10	5	43	38	0.10	<1	132	<1	39	4
107790	0.8	1.65	47	52	48	13	0.42	1	21	52	3265	1.59	0.71	7	0.87	359	117	0.06	35	0.10	24	5	39	30	0.11	<1	133	<1	48	3
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107791	1.2	2.51	7	41	16	16	2.62	1	20	29	177	1.45	0.09	<1	1.86	456	1	0.05	8	0.14	8	6	51	32	0.12	<1	118	<1	32	5
107792	6.9	2.59	77	36	78	63	2.83	10	74	25	483	1.47	0.33	<1	1.79	856	5	0.05	10	0.10	232	9	60	67	0.05	<1	118	2	616	4
107793	1.2	2.15	6	45	25	14	2.39	1	27	26	214	1.51	0.11	<1	1.51	416	2	0.07	11	0.16	7	3	39	27	0.13	<1	102	<1	28	5
107794	2.5	2.22	18	38	31	48	2.98	7	67	25	432	1.48	0.21	<1	1.48	635	2	0.08	13	0.11	105	7	69	69	0.09	1	128	<1	314	6
107795	2.0	3.40	7	44	37	30	2.87	2	35	39	312	1.44	0.21	<1	2.48	853	5	0.04	12	0.12	19	7	73	50	0.10	<1	166	<1	58	4
107795 recut	2.0	2.87	1	33	41	27	3.03	1	32	34	264	1.75	0.23	<1	2.19	732	5	0.03	12	0.10	20	8	66	50	0.05	<1	137	3	56	2
107796	1.2	2.25	<1	40	27	15	2.63	1	23	25	157	1.74	0.12	<1	1.84	454	2	0.06	8	0.13	9	4	52	32	0.08	<1	132	2	27	3
107797	1.2	2.46	1	41	19	16	2.53	1	25	28	189	1.75	0.08	<1	2.08	444	2	0.06	10	0.13	7	4	47	34	0.09	<1	157	1	32	4
107798	1.2	2.52	4	37	35	15	2.97	1	26	29	203	1.69	0.19	<1	1.97	370	3	0.06	9	0.12	19	7	153	33	0.09	<1	156	1	30	3
107799	<0.5	1.84	4	43	34	16	1.29	1	41	28	270	1.79	0.17	<1	1.06	363	3	0.06	13	0.14	10	5	23	34	0.12	<1	110	3	29	5
107800	<0.5	1.29	<1	47	232	5	0.74	<1	7	26	4	1.16	0.50	3	0.63	326	1	0.06	1	0.07	12	1	81	14	0.11	<1	38	1	28	1
107801	1.2	2.86	5	42	35	19	1.35	1	25	41	190	1.83	0.20	<1	2.10	1223	365	0.04	15	0.14	8	5	29	42	0.05	<1	169	1	61	3
107802	1.6	3.91	<1	37	35	25	1.35	3	25	39	218	1.91	0.21	<1	2.94	1711	74	0.03	17	0.11	23	6	20	54	0.04	<1	210	2	183	2
107803	1.7	3.67	<1	38	33	24	1.95	1	24	42	229	1.96	0.19	<1	2.76	1594	84	0.03	11	0.13	7	5	36	51	0.05	<1	210	1	75	3
107804	1.9	2.65	<1	38	14	27	2.57	2	39	24	389	1.81	0.08	<1	1.98	1164	288	0.03	25	0.09	18	6	46	58	0.03	<1	167	1	87	3
107805	2.4	0.39	<1	33	<1	49	0.93	3	118	7	1090	1.95	0.01	<1	0.36	116	290	0.02	119	0.11	16	15	11	108	0.00	23	63	<1	10	3
107805 recut	2.5	0.33	<1	39	18	50	0.95	3	119	12	1122	2.02	0.00	<1	0.32	95	296	0.02	122	0.10	17	16	11	110	0.00	24	60	<1	9	3
107806	1.6	2.66	<1	38	22	17	1.69	1	25	25	207	1.81	0.13	<1	1.97	505	199	0.03	15	0.16	4	5	24	38	0.05	<1	188	<1	28	2
107807	2.5	1.82	493	32	<1	58	1.14	4	202	11	1301	1.96	0.12	<1	1.01	277	75	0.04	97	0.12	16	16	13	125	0.01	27	70	<1	40	4
107808	0.8	1.71	13	42	24	11	2.47	1	21	25	153	1.66	0.10	<1	1.06	252	11	0.06	9	0.15	4	5	39	23	0.12	<1	112	<1	16	4
107809	1.2	1.62	13	38	58	17	2.57	1	45	26	283	1.86	0.29	<1	0.93	276	15	0.06	16	0.15	8	7	38	37	0.08	<1	106	<1	19	4
107810	0.8	1.45	45	42	41	12	0.33	1	20	42	2889	1.85	0.62	7	0.73	326	114	0.06	32	0.08	20	5	41	28	0.07	<1	107	3	44	2
107811	1.2	1.73	10	36	24	13	2.46	1	28	24	195	1.76	0.11	<1	1.35	317	4	0.07	10	0.14	8	4	40	26	0.12	<1	112	1	29	4
107812	1.6	2.58	14	38	28	17	2.64	2	27	27	214	1.79	0.13	<1	1.96	438	4	0.05	9	0.13	32	6	43	35	0.09	<1	125	1	89	3
107813	1.2	3.33	12	33	29	17	1.84	2	29	30	210	1.87	0.16	<1	2.79	547	3	0.06	12	0.14	6	5	28	38	0.08	<1	161	1	74	3
107814	0.8	2.00	5	38	15	13	2.71	1	26	26	183	1.68	0.07	<1	1.69	327	1	0.06	10	0.14	5	4	48	28	0.11	<1	138	<1	25	4
107815	1.6	2.39	23	43	19	18	2.97	1	32	29	230	1.79	0.09	<1	1.82	380	1	0.07	11	0.14	29	10	67	36	0.12	<1	134	1	51	4
107815 recut	1.2	1.92	16	39	16	14	2.63	1	26	27	189	1.68	0.08	<1	1.52	304	1	0.06	9	0.12	26	7	57	28	0.10	<1	112	1	41	4
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



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 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

FILE: 6 0 1 3 3

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107816	1.2	1.82	6	35	29	18	2.25	1	22	20	221	1.81	0.15	<1	1.41	320	3	0.06	8	0.12	10	4	46	32	0.09	<1	97	<1	34	4
107817	<0.5	1.78	2	37	42	13	2.26	1	29	18	205	1.77	0.20	<1	1.24	280	0	0.05	9	0.13	4	2	38	27	0.11	<1	80	<1	18	4
107818	<0.5	2.88	4	38	38	14	2.32	1	27	24	186	1.81	0.16	<1	2.30	475	1	0.05	9	0.13	3	3	44	32	0.13	<1	136	<1	36	5
107819	1.2	2.22	2	36	34	13	3.12	1	24	25	169	1.69	0.14	<1	1.72	399	<1	0.05	8	0.12	5	3	64	28	0.11	<1	111	<1	29	4
107820	<0.5	1.41	<1	44	346	6	1.78	<1	8	21	1	1.31	0.70	<1	0.63	616	<1	0.08	1	0.10	5	1	112	15	0.12	<1	42	<1	37	1
107821	1.6	2.81	11	44	30	19	3.34	4	29	27	215	1.75	0.15	<1	2.12	467	2	0.05	9	0.13	68	6	78	32	0.11	<1	116	1	140	4
107822	1.6	3.13	<1	39	59	17	3.14	1	29	27	242	1.68	0.31	<1	2.32	544	1	0.05	9	0.13	4	4	71	36	0.10	<1	147	<1	43	4
107823	1.2	2.73	10	39	34	14	3.12	2	27	28	211	1.60	0.17	<1	1.97	462	1	0.06	9	0.15	19	5	62	27	0.12	<1	143	1	106	4
107824	1.2	2.10	<1	45	25	12	2.85	1	23	26	149	1.67	0.11	<1	1.71	354	1	0.08	10	0.15	7	2	55	25	0.14	<1	135	<1	31	5
107825	0.8	2.41	2	46	20	12	2.32	1	23	29	161	1.59	0.07	<1	1.98	409	1	0.07	10	0.17	5	3	42	26	0.18	<1	161	<1	33	6
107825 recut	0.8	2.50	1	46	20	12	2.38	1	23	29	163	1.63	0.07	<1	2.04	428	1	0.07	10	0.17	8	3	44	26	0.19	<1	167	<1	34	6
107826	1.2	2.20	4	47	15	14	2.53	1	34	26	230	1.64	0.07	<1	1.66	394	1	0.07	11	0.16	13	5	43	30	0.17	<1	134	<1	30	6
107827	1.2	2.71	7	47	35	15	3.13	2	31	27	233	1.68	0.16	<1	1.85	615	1	0.06	10	0.15	43	4	63	30	0.15	<1	136	1	90	5
107828	1.7	2.11	11	47	15	14	2.78	1	37	25	264	1.71	0.08	<1	1.50	370	<1	0.08	12	0.16	11	5	59	30	0.18	<1	122	<1	28	6
107829	0.8	1.68	1	46	17	13	2.40	1	34	20	235	1.65	0.09	<1	1.25	254	<1	0.08	11	0.17	8	3	45	28	0.18	<1	107	<1	21	6
107830	1.6	1.24	44	39	45	12	0.31	1	20	47	3019	1.79	0.61	5	0.79	323	116	0.04	32	0.08	4	5	28	30	0.09	<1	114	5	46	1
107831	1.2	1.53	3	27	13	12	2.17	1	30	17	210	1.76	0.05	<1	1.20	217	2	0.05	9	0.13	<1	3	38	29	0.16	<1	105	1	17	3
107832	1.2	1.61	2	29	13	13	2.18	1	34	17	235	1.79	0.06	<1	1.21	222	2	0.06	11	0.13	<1	3	35	31	0.16	<1	108	1	21	3
107833	0.8	1.55	5	29	17	12	2.13	1	29	17	198	1.72	0.06	<1	1.00	194	2	0.06	9	0.13	<1	4	33	28	0.19	<1	109	1	24	4
107834	1.2	1.82	<1	29	17	16	2.55	1	30	26	213	1.75	0.07	<1	1.35	291	1	0.05	9	0.14	<1	3	51	37	0.16	<1	142	1	19	2
107835	1.2	1.66	<1	30	22	14	2.51	1	29	21	215	1.74	0.09	<1	1.25	251	1	0.06	9	0.14	<1	3	48	33	0.16	<1	121	1	17	3
107835 recut	0.8	1.65	<1	26	21	14	2.49	1	29	19	211	1.77	0.07	<1	1.24	252	1	0.06	9	0.13	<1	3	47	33	0.16	<1	120	1	17	3
107836	1.2	1.77	11	28	11	19	2.10	1	44	19	270	1.86	0.04	<1	1.52	251	1	0.04	9	0.12	<1	5	39	39	0.16	<1	106	1	26	3
107837	0.8	1.68	2	28	15	12	2.77	1	28	24	204	1.65	0.06	<1	1.32	267	1	0.05	10	0.13	<1	2	51	28	0.14	<1	110	1	20	3
107838	1.2	1.81	3	29	13	12	2.97	1	28	20	194	1.66	0.07	<1	1.49	297	1	0.06	10	0.13	1	3	56	27	0.15	<1	127	1	21	3
107839	1.2	2.02	2	29	13	14	2.93	1	32	24	213	1.72	0.07	<1	1.68	331	1	0.06	10	0.14	1	3	56	30	0.17	<1	146	1	23	3
107840	<0.5	1.96	<1	25	563	7	0.71	<1	12	27	1	1.50	0.92	3	1.04	603	1	0.06	2	0.08	5	1	47	23	0.16	<1	55	1	44	<1
107841	0.8	2.06	9	29	17	13	2.63	1	36	20	236	1.73	0.08	<1	1.39	286	1	0.07	11	0.15	4	5	50	31	0.18	<1	119	1	21	4
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

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DATE: September 30, 2016

Sample: DD Core

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30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107842	0.8	2.15	7	34	17	11	2.83	1	29	19	185	1.61	0.07	<1	1.17	286	1	0.06	10	0.15	9	3	42	25	0.18	<1	107	1	18	4
107843	0.8	2.53	12	36	19	14	2.53	1	36	20	258	1.75	0.08	<1	1.55	372	1	0.06	13	0.16	3	4	47	33	0.19	<1	126	1	27	4
107844	1.6	3.25	22	33	10	18	3.09	1	39	27	265	1.76	0.06	<1	1.81	522	1	0.05	12	0.15	9	6	48	40	0.15	<1	136	1	28	2
107845	1.2	2.49	11	25	24	18	2.34	1	37	24	288	1.74	0.12	<1	1.75	452	1	0.07	10	0.15	<1	5	48	41	0.18	<1	146	1	22	3
107845 recut	1.2	2.52	12	30	27	19	2.35	1	38	24	294	1.79	0.13	<1	1.77	460	1	0.07	10	0.16	<1	5	48	42	0.18	<1	147	1	23	3
107846	0.8	1.85	10	33	24	21	2.49	1	33	21	242	1.70	0.12	<1	1.34	350	1	0.07	11	0.16	<1	4	44	35	0.19	<1	128	1	19	4
107847	2.4	2.18	12	33	18	20	3.19	1	30	31	202	2.05	0.09	<1	1.67	524	2	0.06	11	0.13	48	1	53	39	0.12	<1	158	1	19	1
107848	1.6	2.40	31	29	25	20	2.96	1	27	31	182	2.03	0.13	<1	1.73	694	1	0.05	8	0.12	58	2	94	37	0.14	<1	137	1	37	2
107849	2.8	2.94	54	32	14	39	2.78	2	46	40	745	2.17	0.10	<1	2.28	858	9	0.05	11	0.10	98	4	85	61	0.13	<1	122	2	96	<1
107850	0.8	1.83	49	40	49	17	0.36	1	22	52	3271	2.10	0.78	10	0.92	365	142	0.06	36	0.08	47	5	43	36	0.09	<1	142	4	47	<1
107851	1.7	3.02	25	33	10	25	2.60	1	34	42	235	2.14	0.07	<1	2.47	849	2	0.06	9	0.13	62	1	57	45	0.17	<1	181	1	50	2
107852	1.2	1.97	8	32	13	20	3.39	1	29	29	207	2.01	0.08	<1	1.64	480	1	0.07	8	0.12	49	<1	62	37	0.15	<1	155	<1	27	3
107853	1.2	2.33	11	26	16	20	3.07	1	27	28	201	1.95	0.10	<1	1.96	531	1	0.06	8	0.13	69	<1	54	37	0.15	<1	162	<1	39	2
107854	1.2	1.93	12	34	24	20	2.83	1	35	26	248	2.03	0.13	<1	1.49	386	1	0.07	10	0.13	45	<1	51	38	0.15	<1	129	<1	14	3
107855	1.2	1.81	8	30	19	19	3.09	1	32	19	236	1.93	0.12	<1	1.32	445	6	0.07	8	0.13	42	<1	56	36	0.14	<1	109	<1	14	3
107855 recut	1.2	1.81	8	28	17	19	3.01	1	33	19	238	1.96	0.11	<1	1.33	436	6	0.06	9	0.12	42	<1	53	36	0.13	<1	109	<1	12	3
107856	2.0	2.89	25	23	9	25	3.57	1	28	30	295	2.02	0.06	<1	2.21	748	3	0.05	10	0.12	62	3	67	46	0.12	<1	167	1	57	1
107857	4.4	2.03	21	23	<1	90	2.14	57	69	22	2120	2.08	0.08	<1	1.33	502	7	0.07	20	0.06	177	9	39	144	0.05	<1	76	27	3219	<1
107858	1.9	3.20	58	26	28	28	3.40	2	34	29	262	2.02	0.15	<1	2.21	800	2	0.04	9	0.10	70	4	132	48	0.10	<1	174	1	84	<1
107859	1.7	2.91	23	24	19	24	3.46	1	22	32	203	2.09	0.10	<1	2.24	697	2	0.05	10	0.12	62	2	70	42	0.15	<1	179	1	72	2
107860	<0.5	1.62	<1	28	226	8	0.97	<1	8	43	2	1.43	0.45	3	0.68	428	1	0.06	2	0.06	26	<1	152	19	0.11	<1	46	1	37	<1
108969	1.2	2.45	3	32	47	28	2.79	1	29	50	228	2.16	0.10	<1	1.71	581	3	0.04	12	0.11	60	4	66	53	0.17	<1	156	1	19	1
108970	1.2	1.85	29	30	141	26	0.75	1	15	38	693	2.14	0.33	4	0.77	532	36	0.10	53	0.06	57	15	39	39	0.10	<1	101	8	62	4
108971	1.7	3.22	<1	30	110	29	2.86	1	24	51	194	2.20	0.11	<1	2.20	896	2	0.05	11	0.12	67	5	95	55	0.14	<1	192	1	24	1
108972	3.2	3.02	2	15	613	30	2.97	1	24	54	207	2.13	0.35	<1	1.94	1232	5	0.03	10	0.10	69	7	172	53	0.01	<1	146	<1	30	<1
108973	3.7	3.83	1	31	78	37	2.34	1	29	66	190	2.12	0.39	<1	2.28	2648	4	0.04	15	0.11	10	14	149	69	0.00	<1	168	1	70	<1
108974	1.2	1.63	1	31	119	17	1.66	1	25	51	218	1.91	0.11	4	1.16	444	3	0.06	6	0.12	6	6	86	34	0.08	<1	93	1	14	1
108975	1.2	2.08	<1	33	61	22	1.44	1	30	53	239	2.02	0.08	<1	1.44	421	6	0.06	9	0.11	6	8	52	44	0.09	<1	92	1	22	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

FILE: 6 0 1 3 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: September 30, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
108975 recut	0.8	2.15	<1	32	121	24	1.50	1	31	55	246	2.13	0.09	<1	1.47	419	6	0.06	6	0.11	12	9	57	45	0.10	<1	95	1	18	<1
108976	1.2	2.39	<1	29	47	25	1.78	1	34	62	270	2.13	0.08	<1	1.68	422	5	0.05	<1	0.11	6	9	45	49	0.12	<1	111	1	17	<1
108977	1.2	1.89	<1	29	249	16	3.37	1	25	34	165	1.90	0.13	1	1.22	363	4	0.05	2	0.10	5	6	81	31	0.08	<1	78	1	10	1
108978	3.7	2.40	14	19	92	27	2.86	1	25	43	211	2.12	0.49	<1	1.42	2646	4	0.06	18	0.13	25	11	209	47	0.00	<1	98	1	41	-2
108979	18.3	7.01	102	19	<1	77	1.54	4	89	63	1103	2.11	0.08	<1	2.24	7714	4	0.05	19	0.11	58	25	54	130	0.00	<1	173	1	156	<1
108980	<0.5	1.90	<1	27	479	9	1.08	<1	10	31	7	1.61	0.84	3	0.84	654	1	0.08	<1	0.07	6	3	58	21	0.13	<1	53	1	46	<1
108981	91.6	3.74	43	13	<1	111	0.54	18	160	27	5214	2.13	0.21	10	1.12	4896	3	0.05	49	0.02	396	23	10	144	0.00	<1	91	11	1191	<1
108982	11.3	3.97	6	16	62	61	0.99	3	86	28	701	2.15	0.36	30	1.44	3999	3	0.04	35	0.10	16	17	23	114	0.00	<1	126	1	51	<1
108983	5.4	4.78	99	18	56	39	3.15	2	39	36	267	2.12	0.21	<1	1.84	5284	6	0.04	11	0.12	32	12	90	72	0.01	<1	143	1	126	<1
108984	1.6	2.04	3	19	67	25	2.96	1	35	41	293	2.01	0.19	2	1.52	666	10	0.06	13	0.12	6	9	174	47	0.02	<1	125	<1	14	<1
108985	1.9	2.09	2	17	550	18	3.99	1	14	34	89	1.85	0.40	4	1.81	915	2	0.04	11	0.09	4	8	289	34	0.00	<1	86	<1	18	<1
108985 recut	1.6	2.15	5	21	669	18	4.10	1	16	31	97	1.94	0.41	4	1.78	911	2	0.04	11	0.10	4	7	286	34	0.01	<1	86	<1	18	<1
108986	1.2	2.17	18	34	434	17	3.13	1	17	31	90	1.82	0.26	3	1.21	642	2	0.06	10	0.13	4	6	219	31	0.01	<1	102	1	22	<1
108987	1.2	2.61	<1	30	133	29	2.71	1	22	75	136	2.01	0.29	<1	1.83	590	1	0.03	20	0.11	6	16	116	55	0.01	<1	178	1	28	<1
108988	1.2	2.03	6	26	122	27	2.73	1	18	45	161	2.00	0.35	<1	1.80	600	1	0.05	20	0.10	5	12	235	49	0.00	<1	131	<1	23	<1
108989	1.2	2.01	<1	31	335	19	2.43	1	16	53	130	1.93	0.15	<1	1.70	416	1	0.05	<1	0.10	5	7	91	36	0.13	<1	121	<1	12	<1
108990	0.8	1.73	26	32	136	18	0.71	1	14	35	629	1.99	0.31	3	0.71	467	28	0.10	41	0.06	25	16	35	33	0.09	<1	88	7	59	4
108991	1.9	2.79	<1	26	193	23	3.14	1	15	80	99	1.89	0.21	<1	2.06	862	1	0.04	9	0.10	4	11	139	43	0.08	<1	184	1	23	<1
108992	8.2	3.33	65	23	100	36	2.94	2	46	41	230	1.94	0.56	<1	1.94	3681	2	0.03	11	0.10	58	14	180	57	0.00	<1	114	1	104	<1
108993	2.7	3.97	3	22	77	31	2.65	2	19	58	149	1.95	0.28	1	1.96	2648	11	0.04	8	0.13	8	10	68	55	0.02	<1	174	1	73	<1
108994	2.5	3.06	33	27	100	25	2.48	1	17	63	90	2.03	0.27	3	1.94	1741	1	0.04	6	0.13	14	9	86	45	0.05	<1	157	<1	55	<1
108995	1.2	2.41	2	28	54	24	2.03	1	29	38	170	2.04	0.16	<1	1.50	599	1	0.04	4	0.13	7	9	41	44	0.08	<1	130	<1	25	<1
108995 recut	1.2	2.27	2	26	54	23	1.98	1	28	38	168	1.99	0.16	<1	1.43	564	1	0.05	5	0.12	6	8	40	43	0.08	<1	125	<1	25	<1
108996	1.2	2.39	<1	22	24	34	1.23	2	55	45	371	1.99	0.10	<1	1.68	268	2	0.04	8	0.11	7	10	22	64	0.10	<1	117	<1	16	<1
108997	0.8	2.00	<1	30	76	20	2.47	1	24	34	159	1.93	0.11	1	1.48	349	1	0.04	<1	0.13	5	5	49	37	0.14	<1	123	<1	34	1
108998	1.2	2.34	<1	27	27	39	1.59	2	76	56	428	2.11	0.09	<1	1.62	392	3	0.04	13	0.12	8	12	35	73	0.10	<1	160	<1	13	<1
108999	0.8	1.74	5	26	36	24	1.35	1	45	42	244	2.02	0.10	<1	1.00	313	4	0.03	<1	0.14	5	7	27	46	0.13	<1	140	<1	7	<1
109000	<0.5	1.05	<1	27	233	6	0.61	<1	7	24	4	1.18	0.50	2	0.54	299	<1	0.05	<1	0.06	4	1	35	13	0.13	<1	32	<1	26	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 3, 2016

Certified by: _____



Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

ISO9001:2008 Certified

To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 1 8 3
DATE: October 4, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107201	21	--
107202	24	--
107203	23	--
107204	26	--
107205	16	--
107205 recut	18	--
107206	14	--
107207	10	--
107208	5	--
107209	17	--
107210	3830	--
107211	33	--
107212	14	--
107213	24	--
107214	72	--
107215	14	--
107215 recut	11	--
107201 Check	17	--
STD OxH122 (1247 ppb)	1269	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



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FILE: 6 0 1 8 3
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SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107216	21	--
107217	242	--
107218	753	--
107219	57	--
107220	3	--
107221	53	--
107222	18	--
107223	8492	--
107224	2182	--
107225	490	--
107225 recut	622	--
107226	1921	--
107227	3035	--
107228	34	--
107229	507	--
107230	3862	--
107231	55	--
107216 Check	6	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107232	83	--
107233	285	--
107234	322	--
107235	162	--
107235 recut	130	--
107236	36	--
107237	77	--
107238	35	--
107239	35	--
107240	24	--
107241	2	--
107242	49	--
107243	440	--
107244	33	--
107245	20	--
107245 recut	13	--
107246	5	--
107232 Check	71	--
STD OxH122 (1247 ppb)	1344	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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FILE: 6 0 1 8 3
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SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107247	12	--
107248	360	--
107249	9	--
107250	3706	--
107251	9	--
107252	18	--
107253	18	--
107254	15	--
107255	10	--
107255 recut	73	--
107256	11	--
107257	13	--
107258	9	--
107259	14	--
107260	7	--
107261	22	--
107262	4	--
107247 Check	11	--
STD OxH122 (1247 ppb)	1368	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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made by me upon the herein described samples:

Assayer

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FILE: 6 0 1 8 3
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SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107263	26	--
107264	22	--
107265	13	--
107265 recut	20	--
107266	42	--
107267	11	--
107268	24	--
107269	21	--
107270	4020	--
107271	50	--
107272	19	--
107273	37	--
107274	16	--
107275	32	--
107275 recut	41	--
107276	13	--
107277	24	--
107263 Check	18	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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made by me upon the herein described samples:

Assayer

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SAMPLES: Core

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Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107278	16	--
107279	23	--
107280	93	--
107281	18	--
107282	48	--
107283	14538	--
107284	50	--
107285	66	--
107285 recut	37	--
107286	69	--
107287	29	--
107288	42	--
107289	732	--
107290	3582	--
107291	85	--
107292	112	--
107293	43	--
107283 Check	15204	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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Assayer

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FILE: 6 0 1 8 3
DATE: October 4, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107294	37	--
107295	61	--
107295 recut	39	--
107296	48	--
107297	20	--
107298	14	--
107299	19	--
107300	1	--
107301	8	--
107302	7	--
107303	52	--
107304	13	--
107305	14	--
107305 recut	11	--
107306	26	--
107307	55	--
107308	12	--
107294 Check	52	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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SAMPLES: Core

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107309	23	--
107310	3996	--
107311	33	--
107312	26	--
107313	24	--
107314	20	--
107315	118	--
107315 recut	21	--
107316	25	--
107317	26	--
107318	48	--
107319	740	--
107320	33	--
107321	118	--
107322	39	--
107323	71	--
107324	16	--
107309 Check	8	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 274-2777 Fax: 275-0541
 loringlabs@telus.net

ISO9001:2008 Certified

To: Rotation Minerals
 P. O. Box 211
 426, King Street,
 Stewart, B. C., V0T 1W0

FILE: 6 0 1 8 3
 DATE: October 4, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107325	55	--
107325 recut	30	--
107326	4	--
107327	3	--
107328	45	--
107329	1452	--
107330	4220	--
107331	103	--
107332	41	--
107333	83	--
107334	550	--
107335	23	--
107335 recut	39	--
107336	850	--
107337	16	--
107338	34	--
107339	25	--
107326 Check	14	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107340	49	
107341	42	
107342	29	
107343	3	
107344	11	
107345	18	
107345 recut	22	
107346	36	
107347	26	
107348	27	
107349	157	
107350	4330	
107351	276	
107352	129	
107353	135	
107354	53	
107355	32	
107351 Check	288	
STD GS-1T (1080 ppb)	1031	
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107355 recut	24	--
107356	30	--
107357	1992	--
107358	595	--
107359	193	--
107360	13	--
107361	171	--
107362	356	--
107363	1374	--
107364	119	--
107365	181	--
107365 recut	241	--
107366	54	--
107367	50	--
107368	63	--
107369	66	--
107370	4150	--
STD GS-1T (1080 ppb)	1031	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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SAMPLES: Core

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Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107371	15	--
107372	9	--
107373	17	--
107374	22	--
107375	10	--
107375 recut	9	--
107376	18	--
107377	2	--
107378	<1	--
107379	4	--
107380	74	--
107381	7	--
107382	12	--
107383	4	--
107384	5	--
107385	9	--
107385 recut	17	--
107386	7	--
STD SG66 (1247 ppb)	1296	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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SAMPLES: Core

Certificate of Assay

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Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107387	60	--
107388	20	--
107389	66	--
107390	3956	--
107391	36	--
107392	31	--
107393	34	--
107394	36	--
107395	44	--
107395 recut	46	--
107396	39	--
107397	39	--
107398	37	--
107399	22	--
107400	15	--
107401	17	--
107402	18	--
107387 Check	56	--
STD SG66 (1247 ppb)	1384	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
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FILE: 6 0 1 8 3
DATE: October 4, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107403	21	--
107404	19	--
107405	22	--
107405 recut	23	--
107406	22	--
107407	18	--
107408	20	--
107409	26	--
107410	3868	--
107411	41	--
107412	14	--
107413	24	--
107414	30	--
107415	29	--
107415 recut	29	--
107416	26	--
107417	19	--
107418	21	--
STD SG66 (1247 ppb)	1362	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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Assayer

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To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

FILE: 6 0 1 8 3

DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107201	3.6	1.74	4	37	27	21	1.60	1	33	25	247	2.05	0.11	<1	1.35	188	2	0.07	11	0.12	8	2	30	39	0.10	<1	98	<1	15	1
107202	1.2	1.64	1	32	30	22	1.47	1	33	28	283	2.06	0.10	<1	1.12	140	2	0.09	11	0.12	7	3	43	40	0.10	<1	93	<1	9	1
107203	0.8	1.83	2	29	29	17	2.28	1	22	23	170	1.89	0.14	<1	1.32	198	1	0.07	8	0.13	5	2	45	31	0.10	<1	97	<1	13	2
107204	0.8	2.11	1	31	49	23	1.78	1	39	18	325	2.04	0.31	<1	1.37	252	<1	0.06	17	0.12	6	3	35	44	0.09	<1	84	<1	18	<1
107205	<0.5	1.44	2	31	19	20	1.92	1	35	19	281	2.09	0.08	<1	0.88	138	1	0.07	10	0.12	8	2	35	37	0.12	<1	80	<1	14	2
107205 recut	<0.5	1.48	3	31	20	19	1.92	1	34	20	277	2.07	0.08	<1	0.89	141	1	0.07	9	0.12	7	2	35	38	0.14	<1	83	<1	14	2
107206	<0.5	1.62	4	25	32	18	1.85	1	28	22	272	1.94	0.12	<1	1.02	159	<1	0.08	10	0.13	8	2	40	33	0.11	<1	91	<1	17	2
107207	1.2	1.98	<1	28	46	19	2.54	1	36	22	280	2.03	0.20	<1	1.43	259	<1	0.07	10	0.13	6	2	45	36	0.14	<1	122	<1	53	2
107208	0.8	1.98	<1	27	32	21	1.85	1	35	31	240	1.97	0.14	<1	1.51	273	1	0.07	12	0.13	9	2	32	39	0.14	<1	135	1	53	2
107209	0.8	2.42	1	25	40	22	2.27	1	33	31	259	2.07	0.18	<1	1.94	429	2	0.07	11	0.13	7	2	38	42	0.14	<1	156	<1	52	1
107210	18.7	1.90	1000	29	187	16	1.11	1	17	23	73	1.85	0.27	4	0.79	477	6	0.19	16	0.05	12	19	72	28	0.11	<1	92	1	39	1
107211	1.2	2.77	1	28	43	21	3.24	2	25	27	194	1.98	0.21	<1	2.16	690	1	0.06	9	0.12	26	4	61	39	0.11	<1	129	<1	81	1
107212	0.8	2.78	<1	24	29	27	2.68	3	37	35	313	2.04	0.14	<1	2.24	724	1	0.07	11	0.13	12	1	46	50	0.11	<1	169	1	124	<1
107213	1.6	3.00	9	26	38	27	3.27	4	40	41	297	1.98	0.22	<1	2.15	1057	2	0.06	12	0.14	21	3	58	49	0.09	<1	183	2	211	<1
107214	1.6	3.44	6	28	24	34	3.08	3	39	32	370	2.07	0.12	<1	2.51	934	2	0.05	28	0.17	22	6	52	62	0.08	<1	194	1	126	<1
107215	1.2	2.98	3	26	32	25	3.00	1	32	32	277	2.06	0.16	<1	2.20	832	2	0.06	17	0.13	25	2	56	46	0.11	<1	167	<1	57	<1
107215 recut	1.6	3.14	3	30	37	27	3.03	1	33	34	281	2.07	0.18	<1	2.26	878	2	0.06	18	0.13	9	2	57	48	0.12	<1	173	<1	46	<1
107216	1.9	3.49	9	28	31	26	3.45	1	28	49	262	1.92	0.16	<1	2.47	1333	2	0.05	20	0.15	9	4	66	48	0.11	<1	274	<1	55	<1
107217	4.7	1.65	33	28	14	53	4.45	3	138	18	538	1.82	0.09	<1	0.95	1633	13	0.04	93	0.08	21	5	167	96	0.01	10	97	<1	39	<1
107218	6.0	1.45	44	25	17	88	3.80	5	145	20	820	1.80	0.07	<1	0.81	979	74	0.07	194	0.10	39	8	112	164	0.01	32	145	<1	36	<1
107219	1.6	4.49	8	27	58	28	3.45	1	18	44	148	1.91	0.28	<1	2.94	1555	12	0.06	10	0.16	9	7	100	53	0.08	<1	174	1	53	<1
107220	<0.5	2.12	<1	31	432	10	0.93	<1	12	54	1	1.60	0.94	4	1.12	692	1	0.07	3	0.10	6	<1	60	23	0.15	<1	57	<1	45	<1
107221	1.6	3.67	18	33	35	32	2.58	2	38	41	324	2.04	0.17	<1	2.65	1253	3	0.06	21	0.15	13	8	58	58	0.12	<1	194	<1	58	<1
107222	1.2	3.00	11	36	35	27	2.04	1	40	47	345	2.07	0.17	<1	2.15	1084	1	0.07	14	0.16	14	6	39	51	0.13	<1	161	<1	42	1
107223	9.3	1.97	116	21	56	102	3.45	11	179	17	1593	1.83	0.32	<1	1.00	1245	240	0.08	168	0.16	150	16	78	166	0.03	37	93	4	499	<1
107224	3.1	2.91	27	30	108	36	3.81	4	37	22	449	1.85	0.56	<1	1.56	997	202	0.04	26	0.14	65	16	93	55	0.09	<1	90	2	168	<1
107225	1.6	3.82	13	28	85	31	2.84	7	24	32	218	1.92	0.37	<1	2.39	781	30	0.05	14	0.12	65	8	55	51	0.13	<1	150	3	321	<1
107225 recut	2.0	3.91	17	32	91	33	3.01	7	26	34	241	1.99	0.40	<1	2.43	804	34	0.05	14	0.12	79	10	59	52	0.13	<1	153	4	363	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

Certified by: _____



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DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107226	2.4	3.98	2	31	78	33	3.67	2	27	33	371	1.88	0.37	<1	2.42	873	164	0.05	14	0.24	30	5	83	50	0.10	<1	191	1	76	<1
107227	4.2	3.61	12	32	68	51	3.86	11	54	36	435	1.79	0.39	<1	2.18	999	213	0.05	38	0.15	127	13	104	69	0.08	<1	121	5	551	<1
107228	1.2	3.71	21	29	62	24	3.35	1	22	39	185	1.87	0.33	<1	2.64	876	3	0.05	12	0.16	27	7	67	41	0.09	<1	145	1	64	<1
107229	2.8	3.97	67	41	68	38	3.69	4	57	36	345	1.85	0.41	<1	2.76	1343	813	0.05	36	0.16	84	7	82	61	0.07	<1	204	8	164	<1
107230	22.2	2.44	1250	35	222	20	1.29	1	20	29	93	1.86	0.32	5	0.94	610	10	0.24	19	0.06	16	24	90	33	0.12	<1	110	2	54	1
107231	1.2	3.92	10	36	41	30	3.50	1	18	39	227	1.84	0.22	<1	2.95	1028	485	0.04	17	0.79	11	4	63	52	0.03	<1	365	15	37	<1
107232	1.7	4.19	13	37	34	41	1.76	2	34	46	549	2.04	0.27	<1	3.36	774	192	0.05	41	0.30	15	7	33	75	0.06	<1	256	<1	43	<1
107233	2.0	2.66	2	52	40	49	2.49	2	84	27	939	1.90	0.29	<1	1.88	503	1594	0.05	115	0.23	13	7	42	93	0.03	<1	140	<1	<1	<1
107234	1.6	3.61	5	96	22	21	3.60	1	29	47	334	1.86	0.16	<1	2.93	777	4556	0.03	39	0.27	5	7	77	54	0.03	<1	329	1	<1	<1
107235	1.6	4.08	6	50	21	41	3.69	2	45	43	588	1.85	0.14	<1	2.97	1060	1454	0.06	43	0.34	11	7	89	72	0.05	<1	278	<1	17	<1
107235 recut	2.3	2.06	3	37	11	25	2.72	1	28	22	347	1.51	0.07	<1	1.83	573	849	0.03	29	0.25	6	3	53	44	0.03	<1	170	1	9	<1
107236	0.8	1.08	2	23	27	14	1.57	1	20	16	158	1.50	0.15	<1	0.78	238	12	0.05	13	0.12	4	1	27	24	0.11	<1	74	<1	8	1
107237	1.6	1.43	5	25	21	30	2.39	1	60	14	429	1.68	0.14	<1	1.14	270	302	0.04	60	0.09	8	6	44	54	0.05	1	87	<1	5	<1
107238	0.8	0.91	1	22	16	11	1.70	1	23	19	147	1.43	0.10	<1	0.72	139	5	0.04	10	0.13	8	<1	28	20	0.13	<1	80	<1	7	2
107239	0.8	1.18	2	22	22	11	1.88	1	20	17	135	1.43	0.13	<1	0.90	208	18	0.04	11	0.13	13	1	27	20	0.10	<1	76	<1	11	1
107240	<0.5	1.14	<1	22	287	6	0.36	<1	8	17	<1	1.16	0.65	2	0.71	401	<1	0.03	2	0.07	2	<1	29	14	0.11	<1	37	<1	27	<1
107241	0.8	1.68	3	19	33	14	2.14	1	21	19	151	1.54	0.23	<1	1.35	352	1	0.06	8	0.12	5	3	37	26	0.08	<1	81	<1	18	1
107242	1.2	1.59	1	20	17	20	2.39	1	21	26	219	1.60	0.13	<1	1.43	501	1	0.06	8	0.12	8	1	45	32	0.09	<1	126	<1	35	1
107243	1.2	1.39	1039	22	8	25	2.77	1	115	25	150	1.57	0.06	<1	1.33	311	17	0.06	9	0.11	15	9	46	27	0.07	<1	139	1	50	<1
107244	0.8	1.39	5	20	17	15	2.63	1	23	23	153	1.51	0.13	<1	1.21	252	1	0.06	9	0.12	7	1	50	25	0.10	<1	100	<1	23	1
107245	1.2	1.31	3	21	15	14	2.33	1	22	21	152	1.48	0.14	<1	1.17	229	1	0.06	8	0.13	8	<1	45	25	0.13	<1	113	<1	13	2
107245 recut	0.8	1.36	1	20	16	15	2.39	1	23	22	156	1.52	0.15	<1	1.18	235	<1	0.07	8	0.13	7	3	47	26	0.14	<1	114	<1	13	2
107246	0.8	1.09	3	21	12	13	2.72	1	23	20	152	1.46	0.10	<1	0.92	208	3	0.06	9	0.14	37	<1	53	22	0.14	<1	118	<1	19	3
107247	1.2	1.49	3	21	16	15	2.64	1	25	21	161	1.48	0.15	<1	1.23	301	34	0.06	10	0.14	9	1	55	26	0.13	<1	101	<1	18	2
107248	1.6	1.84	162	20	16	21	3.34	1	36	19	352	1.46	0.18	<1	1.41	532	25	0.05	8	0.12	13	3	83	33	0.08	<1	109	1	52	<1
107249	1.2	1.80	1	23	65	17	2.33	2	33	20	261	1.57	0.29	<1	1.28	277	<1	0.07	16	0.15	5	2	46	31	0.13	<1	101	1	77	1
107250	17.6	1.61	835	24	160	14	1.01	1	15	21	64	1.44	0.25	3	0.68	420	5	0.17	15	0.06	9	16	67	23	0.12	<1	84	1	34	1
107251	0.8	1.50	2	20	63	14	1.81	1	27	15	213	1.48	0.30	<1	1.06	241	<1	0.06	9	0.16	7	1	28	26	0.12	<1	75	<1	40	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

FILE: 6 0 1 8 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107252	0.8	2.02	<1	24	35	16	2.15	2	27	25	186	1.49	0.18	<1	1.64	342	2	0.07	9	0.15	6	1	41	30	0.14	<1	135	1	65	1
107253	0.8	1.79	<1	24	32	17	2.38	2	28	23	242	1.47	0.15	<1	1.45	312	<1	0.06	11	0.16	6	1	43	31	0.13	<1	123	1	95	1
107254	1.6	2.08	9	23	35	20	2.45	3	33	26	279	1.55	0.18	<1	1.73	387	1	0.07	11	0.15	13	4	43	35	0.13	<1	132	1	140	1
107255	0.8	1.97	2	23	35	18	2.15	2	27	24	248	1.58	0.19	<1	1.70	335	2	0.06	11	0.15	8	1	36	33	0.14	<1	131	1	68	1
107255 recut	1.2	1.94	2	23	37	18	2.14	2	27	24	238	1.54	0.20	<1	1.66	331	2	0.06	11	0.15	8	1	36	33	0.14	<1	128	1	63	1
107256	0.8	1.40	1	25	16	15	2.34	1	26	20	245	1.47	0.09	<1	0.99	244	<1	0.06	12	0.15	7	<1	35	29	0.17	<1	96	<1	48	3
107257	1.6	2.22	6	24	13	18	2.95	2	23	29	212	1.43	0.08	<1	1.83	411	1	0.06	10	0.14	7	1	57	32	0.15	<1	163	1	92	1
107258	1.2	1.95	1	24	31	16	2.44	1	23	28	161	1.48	0.15	<1	1.56	270	<1	0.07	9	0.16	6	1	54	31	0.14	<1	145	<1	21	2
107259	0.8	1.92	1	25	26	17	2.64	1	29	27	238	1.51	0.13	<1	1.57	273	1	0.07	10	0.15	6	1	56	33	0.14	<1	153	<1	19	2
107260	<0.5	1.07	2	27	234	6	0.55	<1	8	44	1	1.14	0.51	4	0.53	270	1	0.06	2	0.11	5	<1	44	14	0.15	<1	33	<1	31	<1
107261	1.2	2.18	1	25	43	18	2.91	2	30	30	238	1.47	0.27	<1	1.70	393	2	0.06	10	0.14	6	1	65	33	0.10	<1	140	1	73	<1
107262	1.2	2.40	3	26	29	20	2.57	1	32	30	253	1.48	0.13	<1	2.06	305	2	0.07	10	0.15	8	1	61	38	0.13	<1	164	<1	20	1
107263	1.2	2.51	4	23	24	20	2.69	1	26	31	193	1.51	0.13	<1	2.07	448	1	0.05	10	0.15	8	3	68	37	0.13	<1	165	<1	25	1
107264	1.2	2.59	6	26	37	22	2.28	1	32	28	244	1.53	0.18	<1	2.00	436	1	0.07	11	0.16	7	3	58	41	0.13	<1	147	<1	22	1
107265	0.8	2.30	6	22	33	19	2.44	1	26	27	232	1.50	0.15	<1	1.86	411	<1	0.05	10	0.15	6	2	55	35	0.15	<1	148	<1	23	1
107265 recut	1.2	2.29	4	25	34	19	2.37	1	26	25	221	1.47	0.15	<1	1.85	404	<1	0.05	10	0.15	13	2	53	35	0.15	<1	145	<1	22	1
107266	0.8	2.03	1	26	31	20	2.38	2	34	29	277	1.49	0.15	<1	1.52	397	<1	0.06	10	0.16	6	3	48	37	0.13	<1	149	1	65	<1
107267	1.2	2.27	2	25	30	21	2.38	2	32	26	235	1.55	0.14	<1	1.78	461	1	0.06	10	0.16	7	2	45	38	0.13	<1	148	1	128	<1
107268	1.7	3.02	2	26	15	23	2.99	3	33	29	260	1.51	0.09	<1	2.37	591	1	0.05	10	0.16	6	3	72	42	0.11	<1	207	1	156	<1
107269	5.2	1.75	2	20	39	14	2.97	2	31	20	263	1.74	0.12	<1	1.39	365	2	0.03	10	0.12	10	6	50	33	0.10	<1	84	2	104	1
107270	19.3	1.86	962	25	187	14	1.10	<1	16	25	72	2.91	0.26	5	0.75	481	7	0.19	17	0.05	5	21	73	28	0.11	<1	90	2	40	1
107271	0.8	2.01	9	21	57	16	2.60	2	35	21	310	3.99	0.25	<1	1.48	365	2	0.06	11	0.13	<1	8	44	38	0.10	<1	103	1	111	1
107272	1.2	2.50	6	21	34	18	2.95	1	34	37	293	4.31	0.15	<1	2.12	523	1	0.05	10	0.12	9	8	58	41	0.11	<1	159	1	77	1
107273	1.2	2.91	5	22	57	19	2.65	2	33	27	275	4.50	0.25	<1	2.35	571	3	0.05	9	0.13	10	8	50	44	0.11	<1	147	2	113	1
107274	2.0	3.78	1	24	59	22	2.63	7	9	82	37	4.94	0.26	<1	2.42	3733	2	0.02	7	0.14	317	8	64	50	0.01	<1	154	7	595	<1
107275	2.4	4.96	4	22	58	35	1.13	25	19	40	99	6.67	0.20	<1	2.97	4387	4	0.02	13	0.10	740	11	21	80	0.01	<1	145	22	1880	<1
107275 recut	1.9	4.76	17	15	92	32	1.05	23	17	40	82	6.40	0.47	<1	2.82	4155	4	0.02	11	0.09	679	11	20	76	<0.01	<1	138	21	1850	<1
107276	0.8	3.38	3	22	183	18	2.08	11	4	13	15	4.48	0.56	3	1.84	3398	2	0.02	1	0.11	210	7	44	44	<0.01	<1	81	11	937	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

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DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107277	1.5	3.53	3	21	159	22	2.27	16	9	19	84	4.99	0.64	2	1.99	3357	2	0.03	3	0.10	213	8	64	52	<0.01	<1	142	14	1232	<1
107278	<0.5	2.24	2	23	193	10	2.55	3	6	10	41	2.73	0.60	2	1.30	1595	1	0.10	1	0.12	83	4	119	25	<0.01	<1	63	3	217	<1
107279	<0.5	2.09	3	21	91	10	2.16	2	8	16	47	2.90	0.29	1	1.50	844	2	0.10	2	0.12	14	4	64	26	0.04	<1	108	1	106	<1
107280	<0.5	1.73	1	21	371	7	0.63	<1	10	36	1	2.07	0.82	6	0.99	622	1	0.06	2	0.08	7	2	57	20	0.14	<1	51	1	46	<1
107281	1.2	2.54	2	22	71	14	2.76	1	9	21	48	3.57	0.33	1	1.72	1185	2	0.09	2	0.11	6	5	70	33	0.02	<1	124	1	55	<1
107282	1.6	4.13	7	21	157	24	1.75	5	14	60	222	5.39	0.45	<1	2.87	3288	4	0.04	6	0.10	7	11	77	57	0.01	<1	170	3	230	<1
107283	6.8	2.64	25	16	66	69	1.09	9	215	38	4383	8.48	0.24	<1	1.41	988	8	0.07	102	0.08	31	24	61	157	<0.01	17	150	6	538	<1
107284	1.6	3.81	17	25	42	21	1.77	1	32	73	188	4.98	0.15	<1	3.44	1373	11	0.05	21	0.14	38	8	114	50	0.16	<1	285	2	118	2
107285	1.2	2.91	14	24	23	17	1.88	1	29	62	167	4.20	0.10	<1	2.30	1240	10	0.05	17	0.14	88	8	44	40	0.19	<1	171	2	142	3
107285 recut	1.6	2.97	13	24	23	18	1.98	1	29	60	157	4.30	0.09	<1	2.36	1254	11	0.05	17	0.14	87	7	45	41	0.18	<1	171	2	142	3
107286	1.7	3.05	19	29	17	23	1.73	7	42	67	386	4.84	0.09	<1	2.31	1204	4	0.05	21	0.15	398	12	62	48	0.19	<1	146	7	582	2
107287	1.2	3.14	9	29	23	20	1.53	1	34	55	176	4.67	0.13	<1	2.43	1287	3	0.06	19	0.15	53	7	24	47	0.19	<1	209	2	121	4
107288	2.5	5.01	3	24	70	32	1.96	13	23	86	393	6.37	0.40	<1	3.34	3029	9	0.05	5	0.15	65	10	40	74	0.06	<1	282	12	1056	<1
107289	4.2	3.08	6	15	46	67	2.45	5	168	40	1213	7.66	0.22	<1	1.75	1467	2	0.04	45	0.06	<1	19	55	151	0.02	7	155	3	256	<1
107290	15.9	2.33	1172	24	220	16	1.22	<1	20	28	83	3.36	0.35	6	0.90	629	8	0.24	18	0.06	11	25	84	33	0.11	<1	108	2	52	1
107291	1.2	2.80	6	24	35	17	2.63	1	24	57	229	4.15	0.18	1	1.98	905	2	0.07	6	0.15	11	7	53	40	0.12	<1	183	1	86	2
107292	4.1	4.33	10	24	93	32	2.72	26	37	68	297	6.21	0.47	<1	2.73	2678	3	0.05	11	0.13	482	14	65	70	0.05	<1	192	25	2393	<1
107293	1.2	3.56	14	22	59	20	2.88	1	29	71	241	4.75	0.30	<1	2.53	1154	2	0.08	10	0.14	13	9	63	47	0.13	<1	230	1	78	2
107294	2.5	3.88	8	23	116	25	2.74	2	37	65	426	5.39	0.55	<1	2.50	1299	2	0.08	17	0.14	40	12	61	56	0.09	<1	190	2	187	<1
107295	2.9	4.38	30	23	73	38	2.38	26	65	73	63	6.84	0.32	<1	3.07	3220	2	0.03	22	0.15	35	14	52	85	0.02	<1	278	24	2178	<1
107295 recut	2.8	4.39	29	20	72	37	2.36	24	63	72	61	6.76	0.32	<1	3.08	3216	3	0.02	21	0.15	30	13	50	83	0.03	<1	276	22	2062	<1
107296	1.2	3.73	10	23	71	21	2.08	8	26	69	221	4.85	0.30	<1	2.78	1661	6	0.08	15	0.14	194	11	39	48	0.14	<1	226	8	743	2
107297	1.2	2.27	6	27	20	21	2.19	1	48	47	369	4.79	0.13	<1	1.41	675	11	0.06	23	0.15	<1	10	44	48	0.17	<1	152	1	84	3
107298	1.2	2.45	3	27	25	15	2.21	1	23	53	153	3.79	0.16	1	1.73	761	2	0.09	21	0.17	8	6	51	35	0.18	<1	184	1	88	4
107299	1.6	2.82	5	25	36	20	2.91	1	32	63	217	4.56	0.16	<1	2.05	867	2	0.07	30	0.15	12	10	133	45	0.14	<1	226	1	86	2
107300	<0.5	1.82	3	26	354	7	0.64	<1	10	39	6	2.13	0.83	6	1.04	652	1	0.06	2	0.08	9	2	63	20	0.13	<1	53	1	52	<1
107301	0.8	1.91	6	28	24	10	2.17	1	12	41	26	2.67	0.14	3	1.33	583	2	0.10	12	0.17	12	4	46	23	0.18	<1	149	1	91	5
107302	0.8	2.47	5	28	22	13	2.44	1	11	59	17	3.34	0.13	3	1.92	871	1	0.11	11	0.16	13	5	84	30	0.17	<1	203	1	78	4
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

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107303	10.0	2.72	17	24	96	33	3.44	36	34	65	2026	5.28	0.53	1	1.31	1780	2	0.05	16	0.08	1232	10	243	57	0.03	<1	116	28	2668	<1
107304	1.7	3.70	16	22	41	19	2.64	5	15	69	49	4.61	0.19	1	2.58	1872	2	0.09	12	0.14	57	6	68	45	0.14	<1	235	4	384	2
107305	1.5	2.03	9	117	10	15	2.34	9	12	48	55	1.62	0.04	<1	1.72	1036	1	0.03	6	0.11	10	1	49	29	0.09	<1	166	4	528	1
107305 recut	1.7	2.08	7	119	11	16	2.44	9	13	48	63	1.71	0.06	<1	1.77	1058	1	0.04	7	0.12	9	1	51	29	0.09	<1	171	4	535	2
107306	1.6	2.33	9	131	16	19	2.33	2	16	51	100	1.71	0.10	<1	1.74	856	1	0.04	12	0.12	10	2	50	36	0.07	<1	167	1	82	<1
107307	2.9	2.02	15	159	13	24	2.43	2	27	45	552	1.81	0.08	<1	1.55	639	7	0.04	25	0.14	28	5	45	44	0.08	<1	165	1	86	<1
107308	1.2	1.68	4	112	9	14	2.39	2	12	49	83	1.58	0.04	<1	1.35	618	1	0.05	1	0.12	17	<1	41	25	0.10	<1	155	1	84	2
107309	<0.5	1.19	3	87	17	8	1.78	1	9	30	43	1.36	0.05	1	0.88	432	1	0.05	<1	0.15	15	<1	33	17	0.14	<1	103	1	48	4
107310	31.7	1.53	881	86	189	15	0.94	1	15	25	82	1.58	0.23	3	0.73	440	6	0.15	9	0.06	11	15	58	25	0.09	<1	85	2	39	1
107311	0.8	1.05	5	89	17	7	1.46	1	9	29	54	1.31	0.06	<1	0.75	378	2	0.06	<1	0.16	18	<1	26	14	0.14	<1	94	1	59	4
107312	2.1	1.52	1	141	32	24	1.81	2	30	33	123	1.79	0.15	<1	1.08	784	2	0.05	22	0.14	24	<1	33	44	0.08	<1	107	1	75	<1
107313	2.0	3.27	<1	147	78	26	2.84	6	31	51	75	1.66	0.35	<1	2.03	2405	1	0.04	12	0.13	121	1	79	48	0.04	<1	194	4	507	<1
107314	2.4	3.39	2	141	118	24	2.25	8	11	33	123	1.71	0.45	<1	1.66	2668	1	0.04	8	0.13	167	2	73	45	0.01	<1	139	5	618	<1
107315	1.6	2.46	4	106	123	18	2.31	7	8	12	61	1.68	0.38	<1	1.24	2055	1	0.07	4	0.11	135	<1	125	32	0.02	<1	88	4	514	<1
107315 recut	1.2	2.41	4	110	110	18	2.36	7	9	10	65	1.73	0.35	<1	1.23	2113	1	0.06	4	0.11	143	<1	128	33	0.02	<1	88	4	555	<1
107316	2.5	2.88	2	146	140	26	2.28	9	11	14	105	1.76	0.42	<1	1.25	3186	1	0.03	7	0.10	211	1	239	47	<0.01	<1	63	5	687	<1
107317	1.7	2.56	4	105	149	17	2.56	4	7	11	71	1.69	0.50	<1	1.24	2241	1	0.04	5	0.11	117	<1	187	31	<0.01	<1	69	3	347	<1
107318	2.7	3.65	25	168	160	30	1.48	16	13	12	161	1.70	0.54	<1	1.55	3018	3	0.03	6	0.11	154	2	98	56	<0.01	<1	79	10	1293	<1
107319	7.2	4.06	124	273	46	53	1.98	41	54	37	799	1.64	0.24	<1	1.94	3844	2	0.03	22	0.11	196	5	125	95	<0.01	<1	154	25	3475	<1
107320	<0.5	1.80	<1	79	399	10	0.54	1	11	23	3	1.51	0.86	2	1.03	537	1	0.07	<1	0.11	8	<1	40	22	0.15	<1	45	1	65	<1
107321	3.2	5.24	23	249	52	45	0.94	21	29	57	217	1.65	0.26	<1	2.43	4047	5	0.03	16	0.13	57	3	23	84	<0.01	<1	212	12	1618	<1
107322	2.8	4.16	45	189	65	36	1.72	7	29	59	216	1.69	0.37	<1	2.71	2726	5	0.03	17	0.13	111	4	29	64	0.02	<1	195	4	502	<1
107323	2.0	3.21	8	133	35	23	2.61	3	24	59	204	1.63	0.17	<1	2.43	1502	1	0.05	4	0.14	29	2	69	41	0.12	<1	193	1	161	2
107324	1.9	2.79	21	137	52	24	2.58	3	32	45	349	1.59	0.25	<1	1.94	1577	1	0.05	8	0.13	31	2	52	44	0.11	<1	143	1	149	1
107325	1.6	2.55	35	139	49	24	2.56	16	27	34	272	1.67	0.21	<1	1.75	1349	1	0.04	6	0.13	34	1	49	44	0.10	<1	137	9	1195	1
107325 recut	1.6	2.45	48	136	50	23	2.55	15	26	33	258	1.67	0.20	<1	1.69	1294	1	0.04	6	0.13	37	2	48	42	0.09	<1	133	9	1101	1
107326	0.8	1.45	1	105	37	15	1.29	1	30	26	197	1.63	0.13	<1	1.10	335	2	0.05	<1	0.14	10	<1	21	29	0.17	<1	109	1	58	4
107327	<0.5	1.43	1	117	32	19	1.44	2	39	30	290	1.73	0.10	<1	0.83	269	4	0.03	5	0.14	14	<1	16	34	0.15	<1	84	1	54	3
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

FILE: 6 0 1 8 3

DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107328	0.8	1.80	2	88	18	12	1.85	1	10	42	40	1.53	0.08	<1	1.51	655	1	0.07	<1	0.17	14	<1	44	22	0.13	<1	143	1	55	2
107329	21.7	2.63	85	227	23	48	3.47	61	68	27	5279	1.51	0.19	<1	1.58	2074	2	0.04	26	0.10	335	5	109	75	0.02	<1	90	35	4925	<1
107330	22.0	1.82	980	92	216	17	1.02	1	17	26	85	1.58	0.28	4	0.79	507	7	0.18	8	0.06	12	17	68	27	0.11	<1	98	2	48	1
107331	4.6	4.85	13	222	60	42	1.84	18	26	54	563	1.66	0.37	<1	2.97	3553	2	0.03	14	0.13	101	1	32	75	0.05	<1	199	10	1373	<1
107332	1.6	2.62	12	128	46	21	1.84	2	27	48	407	1.62	0.18	<1	1.93	1095	2	0.08	<1	0.15	19	2	38	38	0.18	<1	170	1	111	4
107333	1.2	2.16	5	121	27	19	1.74	2	25	47	320	1.65	0.13	<1	1.65	655	10	0.07	<1	0.16	18	6	33	35	0.19	<1	155	1	71	4
107334	7.8	3.93	<1	252	57	54	2.65	18	42	51	1994	1.59	0.35	<1	2.08	2548	2	0.05	18	0.11	30	3	59	86	0.03	<1	164	10	1325	<1
107335	1.6	3.24	5	131	47	23	2.77	4	20	62	179	1.56	0.24	<1	2.37	1503	2	0.06	7	0.14	16	1	67	41	0.11	<1	199	2	240	1
107335 recut	1.6	3.27	4	132	49	23	2.87	4	20	58	185	1.62	0.25	<1	2.38	1573	2	0.06	7	0.14	16	1	69	41	0.10	<1	198	2	268	1
107336	6.1	3.04	4842	197	25	37	3.15	8	61	39	449	1.57	0.17	<1	2.19	1795	4	0.03	25	0.09	105	61	85	66	0.02	<1	169	4	613	<1
107337	3.1	4.45	17	162	73	31	2.03	2	19	60	96	1.56	0.34	<1	2.89	2438	1	0.04	10	0.14	24	3	43	53	0.07	<1	215	1	114	<1
107338	3.3	4.89	21	209	53	41	2.84	2	24	50	89	1.60	0.24	<1	2.77	3290	3	0.03	10	0.12	21	10	67	72	0.03	<1	176	1	133	<1
107339	3.1	2.67	7	19	33	19	1.79	1	16	43	94	4.18	0.12	<1	2.04	1773	1	0.01	8	0.10	7	7	31	41	0.08	<1	121	2	87	<1
107340	<0.5	1.27	2	21	321	6	0.47	<1	8	21	2	1.74	0.67	3	0.74	462	<1	0.03	1	0.07	7	1	44	15	0.12	<1	41	1	35	<1
107341	8.8	2.44	48	20	39	30	2.97	8	37	38	338	5.04	0.16	<1	1.76	2002	1	0.01	11	0.09	507	17	75	55	0.04	<1	126	7	611	<1
107342	3.3	2.37	124	18	39	21	3.19	1	27	39	200	4.50	0.16	<1	1.77	1892	2	0.01	13	0.09	24	11	166	45	0.05	<1	126	1	76	<1
107343	0.8	1.05	<1	19	14	10	1.12	1	27	17	294	2.74	0.04	1	0.66	167	3	0.03	10	0.11	6	2	30	24	0.19	<1	67	<1	25	4
107344	<0.5	1.12	<1	21	16	10	0.99	1	22	19	111	2.72	0.05	1	0.89	214	8	0.04	13	0.13	1	2	24	23	0.19	<1	79	<1	34	4
107345	<0.5	0.70	<1	20	10	10	0.97	<1	30	29	151	2.58	0.03	1	0.52	146	1	0.04	13	0.10	1	4	53	22	0.19	<1	56	<1	6	4
107345 recut	<0.5	0.71	<1	21	9	11	1.01	<1	33	25	167	2.84	0.03	1	0.53	150	1	0.04	14	0.10	1	4	53	24	0.20	<1	55	<1	7	4
107346	0.8	1.04	<1	19	20	12	1.01	<1	29	22	217	3.03	0.08	1	0.67	169	<1	0.04	13	0.13	<1	4	13	27	0.18	<1	71	<1	15	4
107347	0.8	1.29	2	24	21	12	0.70	<1	29	31	100	3.19	0.10	<1	1.15	267	1	0.04	13	0.15	<1	4	14	28	0.16	<1	80	<1	16	2
107348	0.8	1.21	<1	23	13	12	0.68	1	26	28	174	3.12	0.05	1	1.05	249	2	0.04	13	0.12	<1	4	25	27	0.18	<1	83	<1	31	2
107349	1.2	2.03	1	23	18	15	1.07	1	30	40	238	3.78	0.08	<1	1.46	366	2	0.03	13	0.15	7	7	14	35	0.21	<1	138	<1	34	4
107350	25.3	1.72	922	28	165	13	1.08	<1	15	21	70	2.62	0.24	5	0.70	446	5	0.19	16	0.06	8	18	74	24	0.13	<1	86	1	39	1
107351	2.8	2.24	<1	14	19	55	0.89	2	178	24	941	6.74	0.02	<1	1.23	439	1	0.03	94	0.06	<1	15	6	122	0.03	23	83	<1	23	<1
107352	1.6	2.73	<1	20	13	19	1.96	1	33	54	363	4.32	0.06	<1	1.89	607	5	0.02	18	0.16	7	6	28	42	0.15	<1	204	<1	38	1
107353	0.8	1.87	<1	23	18	16	0.98	1	33	33	276	3.95	0.10	<1	1.44	350	1	0.03	14	0.14	<1	7	14	37	0.16	<1	128	<1	20	2
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

Certified by: _____



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 loringlabs@telus.net

FILE: 6 0 1 8 3

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107354	<0.5	1.24	<1	26	12	12	1.70	1	31	25	236	3.08	0.06	<1	0.83	210	<1	0.05	13	0.14	<1	4	27	27	0.18	<1	91	<1	17	4
107355	<0.5	1.40	<1	26	18	13	1.22	1	33	31	252	3.40	0.10	<1	1.07	190	1	0.06	13	0.15	<1	4	24	30	0.17	<1	101	<1	18	3
107355 recut	0.8	1.40	<1	26	18	14	1.23	1	33	29	254	3.44	0.09	<1	1.08	188	1	0.06	13	0.15	<1	4	25	31	0.18	<1	101	<1	17	3
107356	<0.5	1.23	<1	20	20	15	0.93	1	36	20	345	3.55	0.10	<1	0.88	160	1	0.06	13	0.15	<1	4	20	32	0.16	<1	81	<1	16	3
107357	1.6	2.64	<1	26	34	31	1.08	1	75	25	826	5.47	0.25	<1	1.59	455	299	0.03	42	0.30	<1	10	14	69	0.04	<1	160	<1	39	<1
107358	2.4	2.44	<1	18	34	47	1.22	2	111	31	1829	6.36	0.23	<1	1.47	514	6	0.04	94	0.29	<1	12	20	104	0.04	9	143	<1	49	<1
107359	1.2	2.50	<1	21	38	25	1.61	1	51	37	630	5.15	0.26	<1	1.77	507	4	0.03	44	0.16	<1	9	36	56	0.09	<1	159	<1	42	<1
107360	<0.5	1.28	<1	21	303	5	1.34	<1	8	25	14	1.43	0.58	6	0.73	489	<1	0.07	2	0.09	8	1	68	14	0.15	<1	49	<1	29	1
107361	1.2	2.72	<1	20	35	22	1.82	1	39	38	377	4.78	0.27	<1	1.78	507	1	0.03	30	0.14	5	9	34	50	0.11	<1	169	<1	41	<1
107362	1.2	2.42	<1	20	53	14	2.01	2	22	40	196	3.67	0.37	<1	1.68	667	6	0.04	17	0.14	11	6	36	33	0.12	<1	168	1	129	1
107363	5.1	2.59	12	16	55	40	2.45	13	66	38	604	5.85	0.41	<1	1.65	1589	85	0.02	55	0.14	43	11	60	85	0.03	<1	196	7	736	<1
107364	2.8	4.68	8	18	47	27	2.07	4	20	59	134	5.18	0.28	<1	3.28	3299	3	0.02	12	0.14	19	7	49	58	0.05	<1	247	4	337	<1
107365	4.0	5.62	17	20	33	26	2.94	12	24	70	172	4.92	0.22	<1	4.00	4371	8	0.01	12	0.16	154	8	102	53	0.03	<1	265	9	919	<1
107365 recut	4.1	5.66	16	18	34	26	2.95	11	25	71	166	4.95	0.22	<1	4.04	4393	6	0.01	12	0.16	143	8	101	54	0.03	<1	265	9	894	<1
107366	1.5	1.52	12	19	87	22	2.07	1	19	34	56	4.79	0.36	2	0.92	862	1	0.04	9	0.13	<1	14	86	52	<0.01	<1	88	1	61	<1
107367	1.2	2.44	4	20	62	16	2.63	1	22	54	69	3.89	0.24	3	1.81	1455	1	0.03	11	0.14	17	9	136	37	<0.01	<1	148	1	67	<1
107368	1.6	1.50	15	19	69	14	2.96	<1	19	29	43	3.45	0.36	4	1.39	1550	<1	0.03	8	0.13	4	8	321	31	<0.01	<1	68	<1	27	<1
107369	2.0	1.34	32	20	66	23	3.09	1	15	26	40	4.92	0.40	2	0.78	1401	1	0.04	7	0.09	<1	15	235	53	<0.01	<1	57	<1	31	<1
107370	sample exhausted																													
107371	1.2	1.77	11	22	64	15	2.59	1	21	21	76	3.76	0.36	4	0.95	1174	1	0.03	8	0.15	3	8	219	35	<0.01	<1	96	1	66	<1
107372	0.8	1.24	8	21	66	15	2.99	<1	21	19	56	3.65	0.31	4	0.87	1167	1	0.03	8	0.16	1	9	254	33	<0.01	<1	73	<1	28	<1
107373	1.6	1.10	13	21	60	16	3.30	1	20	14	83	3.83	0.33	4	0.66	1512	1	0.03	8	0.15	1	11	319	36	<0.01	<1	70	1	50	<1
107374	1.6	0.76	10	24	55	14	3.43	1	15	14	39	3.48	0.24	3	0.47	1153	2	0.02	7	0.10	<1	9	275	31	<0.01	<1	47	1	24	1
107375	1.2	1.38	10	20	65	16	2.36	1	20	19	103	3.90	0.29	3	0.85	996	1	0.03	9	0.12	<1	10	169	36	<0.01	<1	76	1	51	1
107375 recut	1.5	1.37	10	19	65	16	2.29	1	20	20	103	3.81	0.29	3	0.86	1009	1	0.03	10	0.12	<1	10	171	36	<0.01	<1	76	1	50	1
107376	1.6	0.31	20	19	39	24	2.97	1	16	14	64	5.20	0.19	1	0.09	861	1	0.03	7	0.10	<1	21	205	56	<0.01	<1	27	1	30	2
107377	1.2	1.17	8	18	57	16	2.95	1	19	30	71	3.94	0.24	3	0.61	1032	1	0.03	10	0.12	<1	13	160	37	<0.01	<1	105	1	41	1
107378	1.2	1.99	<1	27	53	14	2.92	<1	20	34	74	3.63	0.22	3	1.24	1295	<1	0.04	11	0.13	1	8	151	34	<0.01	<1	153	1	56	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

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30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107379	0.8	1.85	4	20	49	14	2.77	1	21	36	78	3.65	0.23	3	1.16	1183	1	0.04	10	0.13	2	9	167	34	<0.01	<1	157	1	50	1
107380	0.8	1.36	<1	21	314	6	0.73	<1	9	34	6	1.88	0.62	5	0.69	582	<1	0.04	1	0.09	5	1	63	18	0.16	<1	59	<1	37	1
107381	1.6	2.11	<1	21	42	16	2.81	1	21	34	95	3.84	0.29	4	1.23	1295	1	0.04	10	0.14	3	9	97	37	<0.01	<1	152	1	64	1
107382	1.6	1.08	10	25	44	17	3.20	1	20	27	68	4.11	0.27	3	0.51	973	<1	0.04	12	0.12	<1	14	177	39	<0.01	<1	87	1	43	2
107383	1.7	2.37	<1	25	75	14	2.96	1	21	30	188	3.68	0.34	4	1.59	1328	1	0.04	11	0.13	7	7	239	34	<0.01	<1	134	1	100	1
107384	1.2	1.79	7	23	85	14	3.07	1	19	22	81	3.47	0.36	4	1.16	1181	<1	0.04	9	0.13	4	8	293	31	<0.01	<1	96	1	51	1
107385	1.2	1.74	8	26	69	15	2.93	1	20	26	83	3.62	0.35	4	1.05	1231	1	0.05	10	0.13	5	10	246	33	<0.01	<1	102	1	63	1
107385 recut	1.2	1.68	8	25	67	14	2.90	1	20	28	85	3.58	0.34	4	1.01	1192	1	0.05	10	0.13	4	11	241	33	<0.01	<1	98	1	57	1
107386	1.2	1.89	<1	29	51	13	3.20	<1	19	30	73	3.33	0.23	4	1.25	1491	1	0.04	9	0.12	6	7	214	30	<0.01	<1	128	<1	46	1
107387	1.2	0.81	24	19	80	24	2.45	2	22	19	46	5.20	0.40	1	0.39	684	1	0.05	10	0.13	<1	15	200	55	<0.01	1	37	2	169	2
107388	2.0	2.72	<1	23	65	16	2.83	1	20	29	71	3.79	0.27	4	2.34	1529	1	0.04	10	0.13	8	6	257	35	<0.01	<1	156	1	58	1
107389	1.2	1.86	1	24	88	13	2.89	1	19	31	65	3.50	0.32	4	1.96	1280	1	0.04	9	0.12	6	6	276	32	<0.01	<1	116	1	80	1
107390	22.2	1.91	983	29	210	14	1.13	<1	16	23	71	2.77	0.27	5	0.75	500	6	0.21	15	0.06	9	20	80	26	0.14	<1	93	2	42	3
107391	1.6	1.60	6	21	99	15	2.66	<1	21	20	82	3.60	0.40	4	1.72	1281	2	0.04	10	0.13	3	7	306	33	<0.01	<1	87	<1	28	1
107392	1.6	1.76	7	19	95	16	2.60	1	22	26	104	3.83	0.38	4	1.70	1417	1	0.04	11	0.14	4	11	285	37	<0.01	<1	107	<1	44	1
107393	1.6	1.77	15	23	97	16	2.47	1	24	24	123	3.84	0.39	4	1.39	1150	<1	0.04	12	0.14	17	7	256	36	<0.01	<1	98	1	96	1
107394	1.5	1.59	14	21	84	15	2.53	1	21	29	86	3.72	0.37	3	0.99	1145	1	0.04	11	0.13	8	9	273	35	<0.01	<1	90	1	85	1
107395	1.2	1.60	22	24	93	14	2.23	1	18	29	72	3.61	0.38	3	1.03	859	1	0.03	10	0.11	3	10	247	33	<0.01	<1	74	1	44	1
107395 recut	1.6	1.65	23	20	96	14	2.23	1	19	32	73	3.65	0.38	3	1.03	866	15	0.03	10	0.11	4	9	249	34	<0.01	<1	76	<1	46	1
107396	1.2	2.21	19	24	107	13	2.79	1	22	25	86	3.40	0.43	4	1.40	1279	1	0.04	10	0.14	9	8	401	31	<0.01	<1	88	1	79	1
107397	1.5	2.48	17	21	94	15	2.77	1	21	28	112	3.70	0.42	4	1.47	1261	1	0.04	10	0.14	10	9	383	34	<0.01	<1	105	1	138	1
107398	1.6	2.94	29	25	128	14	2.98	1	23	33	72	3.59	0.47	5	1.68	1084	1	0.06	10	0.13	17	7	417	33	<0.01	<1	121	1	67	1
107399	2.0	2.67	15	23	100	14	2.75	<1	21	48	92	3.50	0.37	4	1.69	818	1	0.05	12	0.11	14	4	361	32	<0.01	<1	114	<1	38	1
107400	<0.5	1.32	<1	29	331	4	1.64	<1	7	32	<1	1.38	0.57	7	0.72	534	<1	0.08	1	0.10	8	1	79	14	0.16	<1	53	<1	26	2
107401	1.6	2.61	<1	26	80	12	2.49	<1	14	31	16	3.11	0.29	4	1.73	715	1	0.05	9	0.12	13	3	303	27	<0.01	<1	108	<1	40	1
107402	1.2	2.31	1	22	81	11	2.53	<1	15	29	37	2.98	0.27	7	1.52	722	11	0.04	10	0.14	11	3	326	26	<0.01	<1	86	<1	44	1
107403	1.2	2.39	<1	27	86	11	2.63	<1	13	35	10	2.99	0.28	8	1.63	701	1	0.04	14	0.17	10	3	347	26	<0.01	<1	78	<1	39	2
107404	1.2	2.39	<1	25	86	11	2.76	<1	11	33	28	3.01	0.27	10	1.65	846	1	0.03	13	0.16	8	2	398	26	<0.01	<1	60	<1	45	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

FILE: 6 0 1 8 3

DATE: October 4, 2016

Sample: DD Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107405	1.6	2.31	<1	27	91	11	2.50	<1	13	29	12	2.98	0.29	15	1.43	700	2	0.04	14	0.22	10	3	327	26	<0.01	<1	50	1	66	2
107405 recut	1.2	2.35	<1	25	95	11	2.51	<1	13	31	14	3.04	0.33	15	1.44	714	2	0.05	14	0.22	10	3	329	26	<0.01	<1	51	1	67	2
107406	1.2	2.20	4	23	175	10	2.47	<1	12	30	5	2.81	0.31	18	1.23	639	1	0.04	10	0.22	10	3	320	24	<0.01	<1	42	<1	56	2
107407	1.2	2.24	<1	24	81	10	2.26	<1	15	50	9	2.86	0.31	14	1.36	562	<1	0.04	12	0.19	11	3	234	25	<0.01	<1	40	1	51	2
107408	0.8	1.24	3	20	34	9	1.72	<1	10	40	10	2.12	0.11	7	0.97	332	2	0.02	8	0.11	4	3	157	18	<0.01	<1	24	1	36	1
107409	1.2	1.25	3	20	35	9	1.76	<1	9	37	14	2.12	0.12	8	0.99	342	1	0.02	8	0.12	3	3	153	18	<0.01	<1	27	<1	37	1
107410	25.2	1.18	667	22	130	11	0.80	<1	12	18	53	2.12	0.17	3	0.54	321	5	0.13	12	0.04	7	15	51	19	<0.01	<1	66	1	27	2
107411	0.8	1.32	4	19	48	8	2.06	<1	9	41	4	2.00	0.17	8	0.96	370	2	0.03	8	0.11	3	3	200	17	<0.01	<1	25	<1	33	1
107412	1.2	1.32	2	20	48	7	2.24	<1	8	39	1	1.94	0.20	9	0.91	389	1	0.03	8	0.12	4	2	225	16	<0.01	<1	21	<1	30	1
107413	1.2	1.39	9	33	46	8	2.11	<1	8	38	1	2.03	0.20	10	0.94	370	1	0.03	9	0.12	3	2	197	17	<0.01	<1	22	<1	37	2
107414	1.2	1.51	2	18	50	9	1.89	<1	11	36	10	2.24	0.21	9	1.03	355	1	0.03	10	0.14	3	3	172	19	<0.01	<1	26	<1	38	2
107415	1.6	1.90	7	17	53	12	2.14	<1	16	35	63	2.85	0.19	3	1.42	473	9	0.03	9	0.10	7	4	236	25	<0.01	<1	76	1	55	1
107415 recut	1.6	1.85	8	34	46	12	2.11	<1	16	38	60	2.85	0.15	3	1.41	470	10	0.02	9	0.10	7	4	231	25	<0.01	<1	75	1	56	1
107417	1.6	1.74	9	36	45	12	2.20	<1	14	37	52	2.77	0.13	3	1.37	462	2	0.02	9	0.11	6	4	257	24	<0.01	<1	72	<1	42	1
107418	1.6	2.04	5	30	42	13	2.13	1	16	40	70	3.10	0.15	2	1.57	504	2	0.03	10	0.09	8	4	260	27	<0.01	<1	103	<1	36	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

Sample is digested with Aqua Regia at 95C for one hour and bulked to 25 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti, W and Zr.

Samples received on August 16, 2016

Certified by: _____



Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541
loringlabs@telus.net

ISO9001:2008 Certified

To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 1 8 4
DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107861	53	--
107862	73	--
107863	2506	--
107864	1030	--
107865	5020	--
107865 recut	4980	--
107866	310	--
107867	87	--
107868	48	--
107869	172	--
107870	546	--
107871	1148	--
107872	>10000	10.03
107873	5170	--
107874	132	--
107875	53	--
107875 recut	31	--
107861 Check	37	--
STD GS-1T (1080 ppb)	1062	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



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FILE: 6 0 1 8 4
DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107876	16	--
107877	85	--
107878	32	--
107879	665	--
107880	7	--
107881	444	--
107882	55	--
107883	90	--
107884	246	--
107885	42	--
107885 recut	41	--
107886	210	--
107887	167	--
107888	29	--
107889	1084	--
107890	518	--
107891	27	--
107876 Check	20	--
STD GS-1T (1080 ppb)	1047	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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FILE: 6 0 1 8 4
DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107892	25	--
107893	128	--
107894	42	--
107895	5	--
107895 recut	7	--
107896	6	--
107897	20	--
107898	31	--
107899	45	--
107900	<5	--
107901	38	--
107902	44	--
107903	19	--
107904	124	--
107905	58	--
107905 recut	47	--
107906	49	--
107892 Check	24	--
STD GS-1T (1080 ppb)	1275	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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DATE: October 12, 2016

SAMPLES: Core

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Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107907	75	--
107908	141	--
107909	53	--
107910	490	--
107911	<5	--
107912	46	--
107913	229	--
107914	28	--
107915	16	--
107915 recut	24	--
107916	20	--
107917	7	--
107918	44	--
107919	147	--
107920	<5	--
107921	42	--
107922	<5	--
107907 Check	34	--
STD GS-1T (1080 ppb)	1154	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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Assayer

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SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107923	206	--
107924	>10000	12.27
107925	924	--
107925 recut	778	--
107926	2155	--
107927	48	--
107928	17	--
107929	<5	--
107930	577	--
107931	22	--
107932	104	--
107933	35	--
107934	83	--
107935	35	--
107935 recut	21	--
107936	17	--
107937	1582	--
107923 Check	251	--
STD GS-1T (1080 ppb)	999	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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 Assayer

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FILE: 6 0 1 8 4
DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107938	61	--
107939	66	--
107940	65	--
107941	51	--
107942	60	--
107943	77	--
107944	72	--
107945	64	--
107945 recut	135	--
107946	111	--
107947	69	--
107948	71	--
107949	111	--
107950	559	--
107951	60	--
107952	20	--
107953	97	--
107938 Check	42	--
STD GS-1T (1080 ppb)	1143	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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 Stewart, B. C., V0T 1W0

FILE: 6 0 1 8 4
 DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107954	75	--
107955	75	--
107955 recut	35	--
107956	54	--
107957	256	--
107958	51	--
107959	34	--
107960	138	--
107961	132	--
107962	85	--
107963	18	--
107964	200	--
107965	445	--
107965 recut	282	--
107966	31	--
107967	13	--
107968	158	--
107954 Check	33	--
STD GS-1T (1080 ppb)	1033	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples:

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FILE: 6 0 1 8 4
DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107969	49	--
107970	7198	--
107971	59	--
107972	19	--
107973	37	--
107974	9	--
107975	20	--
107975 recut	35	--
107976	34	--
107977	58	--
107978	16	--
107979	12	--
107980	<5	--
107981	623	--
107982	28	--
107983	21	--
107984	44	--
107969 Check	22	--
STD GS-1T (1080 ppb)	979	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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Assayer

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To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 1 8 4
DATE: October 12, 2016

SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb	Au gm/tonne
<u>"Assay Analysis"</u>		
107985	15	--
107985 recut	4	--
107986	<5	--
107987	<5	--
107988	22	--
107989	16	--
107990	3692	--
107991	49	--
107992	18	--
107993	18	--
107994	27	--
107995	23	--
107995 recut	6	--
107996	<5	--
107997	29	--
107998	115	--
107999	<5	--
108000	265	--
STD GS-1T (1080 ppb)	997	--
Blank	<5	--
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.	
Received Date:	August 16, 2016	

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Assayer

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 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

File No : 6 0 1 84
 Date : October 12, 2016
 Samples : Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107861	1.6	2.96	4	15	31	20	0.64	2	18	36	112	<0.01	0.06	<1	2.29	941	9	0.03	2	0.12	7	6	13	41	0.07	<1	176	2	145	<1
107862	1.2	2.68	6	19	19	21	0.56	4	23	46	138	<0.01	0.04	<1	2.24	902	5	0.03	2	0.13	12	5	10	42	0.08	<1	215	2	201	<1
107863	2.4	2.96	6	14	13	28	1.85	5	32	35	222	1.68	0.08	<1	2.27	1023	58	0.03	12	0.13	13	9	31	54	0.05	<1	187	2	243	<1
107864	1.2	1.65	3	20	12	14	2.27	1	25	17	212	1.62	0.07	<1	1.06	352	129	0.02	10	0.12	5	4	32	28	0.04	<1	113	<1	13	<1
107865	1.2	1.55	4	19	18	13	2.17	1	25	18	173	1.65	0.10	<1	1.03	285	76	0.02	3	0.15	5	3	30	27	0.06	<1	85	<1	18	<1
107865 recut	2.0	1.60	3	17	19	13	2.20	1	26	17	179	1.62	0.11	<1	1.06	294	77	0.02	3	0.16	4	3	31	27	0.07	<1	89	<1	17	<1
107866	1.2	2.03	3	15	20	18	1.74	1	27	24	250	1.73	0.12	<1	1.47	427	51	0.03	4	0.13	6	5	22	36	0.06	<1	122	<1	45	<1
107867	1.2	1.98	8	16	22	18	1.54	1	27	23	210	<0.01	0.11	<1	1.56	464	3	0.03	2	0.14	5	6	22	35	0.07	<1	104	1	51	<1
107868	1.2	1.69	7	18	15	14	1.32	1	25	24	185	1.63	0.04	<1	1.41	308	2	0.04	<1	0.14	6	4	20	27	0.11	<1	111	<1	32	1
107869	2.4	2.70	13	18	18	20	0.58	3	29	41	203	<0.01	0.03	<1	2.51	516	5	0.03	<1	0.15	25	4	11	38	0.09	<1	198	1	116	<1
107870	1.2	1.35	41	25	42	13	0.31	1	20	46	2936	1.69	0.63	6	0.79	325	113	0.04	17	0.08	21	5	32	28	0.10	<1	112	2	42	<1
107871	5.1	1.33	17	9	<1	69	1.59	5	131	11	2297	1.60	0.08	<1	0.91	407	51	0.06	204	0.11	21	21	24	139	0.03	31	89	1	78	<1
107872	4.5	2.70	10	21	9	29	3.47	2	41	24	347	1.66	0.06	<1	2.07	1169	412	0.02	20	0.16	7	8	79	57	0.03	<1	288	<1	35	<1
107873	2.8	2.57	8	14	31	21	2.96	1	35	28	260	1.68	0.24	<1	1.93	616	46	0.03	10	0.12	8	8	57	40	0.04	<1	145	<1	45	<1
107874	1.2	1.78	13	19	20	13	2.34	1	29	25	205	1.61	0.10	<1	1.45	319	3	0.05	<1	0.14	4	5	40	25	0.08	<1	112	<1	23	1
107875	1.2	1.96	7	19	19	14	2.38	1	27	27	197	1.64	0.10	<1	1.56	278	5	0.04	<1	0.14	5	5	40	27	0.09	<1	120	<1	23	1
107875 recut	1.6	2.06	7	18	19	14	2.42	1	28	25	200	1.58	0.10	<1	1.62	288	4	0.04	<1	0.14	5	5	42	27	0.08	<1	122	<1	23	1
107876	1.2	1.99	8	17	20	17	1.62	1	32	23	245	1.70	0.08	<1	1.58	257	2	0.05	1	0.18	8	10	30	32	0.08	<1	100	<1	18	<1
107877	1.2	1.85	8	19	13	17	1.76	1	33	23	216	1.64	0.06	<1	1.42	237	1	0.05	1	0.16	8	9	33	32	0.09	<1	91	<1	17	1
107878	0.8	1.49	3	21	10	13	1.79	1	25	25	167	1.56	0.04	<1	1.23	210	<1	0.04	<1	0.16	5	5	33	26	0.10	<1	89	<1	17	1
107879	1.2	1.37	8	25	9	14	1.42	1	28	18	212	1.67	0.04	<1	1.18	208	13	0.04	<1	0.13	6	7	22	26	0.10	<1	80	1	14	1
107880	<0.5	1.00	<1	25	231	6	0.53	<1	7	23	2	1.15	0.49	2	0.54	275	<1	0.04	<1	0.08	3	<1	34	12	0.10	<1	29	1	28	<1
107881	1.6	1.92	9	21	9	18	2.20	1	33	24	243	1.69	0.05	<1	1.80	372	13	0.05	<1	0.12	16	5	35	33	0.08	<1	144	<1	37	<1
107882	2.0	1.90	71	20	11	14	2.57	2	24	25	148	1.58	0.06	<1	1.71	429	1	0.05	<1	0.12	48	3	40	26	0.08	<1	132	1	136	<1
107883	2.0	2.10	22	18	22	17	2.63	2	27	26	186	1.58	0.12	<1	1.77	515	2	0.04	1	0.11	34	4	42	28	0.07	<1	129	1	114	<1
107884	4.9	2.78	35	16	59	45	2.37	4	46	24	375	1.71	0.31	<1	2.13	689	4	0.03	6	0.10	93	11	37	52	0.04	<1	124	2	229	<1
107885	1.2	1.68	12	20	13	15	2.28	1	27	24	189	1.57	0.07	<1	1.38	339	<1	0.05	<1	0.13	12	4	35	26	0.08	<1	100	<1	28	<1
107885 recut	1.2	1.72	12	18	18	15	2.39	1	28	22	188	1.65	0.07	<1	1.40	347	<1	0.05	1	0.13	14	5	37	26	0.08	<1	100	<1	30	<1
107886	2.5	2.47	12	17	36	24	2.48	2	28	32	234	1.74	0.17	<1	2.06	694	3	0.04	7	0.12	54	7	40	38	0.06	<1	143	1	113	<1
107887	8.6	2.73	22	14	54	39	2.88	10	30	25	341	1.69	0.27	<1	2.17	1004	4	0.02	6	0.10	418	8	50	48	0.04	<1	121	5	637	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on August 16, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
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 Tel: 403-274-2777 Fax: 403-275-0541
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To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

File No : 6 0 1 84
 Date : October 12, 2016
 Samples : Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107888	1.6	1.94	6	16	22	15	2.83	1	17	24	167	1.59	0.13	<1	1.48	516	5	0.04	1	0.13	9	6	48	27	0.07	<1	112	<1	32	<1
107889	3.6	3.09	16	15	40	36	2.46	2	27	32	467	1.66	0.27	<1	2.36	823	9	0.03	8	0.10	51	10	58	50	0.04	<1	136	1	84	<1
107890	1.2	1.41	41	20	41	13	0.32	1	19	43	2768	1.67	0.64	7	0.72	319	111	0.05	21	0.08	20	5	39	26	0.08	<1	110	3	41	<1
107891	1.6	2.13	9	15	27	15	2.70	1	25	28	178	1.59	0.13	<1	1.76	521	2	0.06	<1	0.14	12	3	52	29	0.08	<1	146	<1	34	<1
107892	1.2	2.18	5	17	18	15	2.61	1	26	28	188	1.66	0.10	<1	1.91	436	1	0.05	<1	0.13	9	3	47	29	0.08	<1	145	<1	27	<1
107893	1.6	2.56	13	17	22	16	2.85	1	28	28	199	1.60	0.11	<1	2.11	436	2	0.06	3	0.13	9	7	99	30	0.07	<1	151	<1	35	<1
107894	1.9	2.84	10	17	27	18	2.99	1	28	30	234	1.56	0.15	<1	2.15	498	<1	0.05	6	0.12	6	8	192	34	0.06	<1	159	<1	43	<1
107895	1.2	1.65	<1	15	41	15	1.79	1	30	18	225	1.67	0.19	<1	1.25	247	<1	0.06	<1	0.14	5	4	29	29	0.09	<1	95	1	52	<1
107895 recut	1.7	1.74	<1	28	26	17	2.04	1	33	23	262	2.06	0.07	<1	1.31	256	1	0.04	<1	0.13	<1	8	31	36	0.15	<1	108	2	57	2
107896	1.2	2.18	<1	25	35	19	1.32	2	31	24	264	2.04	0.08	<1	1.83	381	2	0.05	<1	0.13	14	7	28	40	0.12	<1	124	2	82	1
107897	1.6	2.22	16	23	31	20	3.23	2	30	27	243	2.08	0.10	<1	1.71	539	2	0.05	<1	0.12	9	9	54	41	0.11	<1	144	2	98	1
107898	2.0	3.43	<1	18	46	33	2.28	1	36	29	239	2.13	0.22	<1	2.55	1178	3	0.02	20	0.13	<1	11	36	66	0.06	<1	205	1	60	<1
107899	1.9	4.00	<1	21	36	31	1.78	4	19	30	110	<0.01	0.17	<1	2.80	1861	47	0.02	5	0.11	10	10	28	64	0.05	<1	216	3	253	<1
107900	<0.5	1.81	<1	26	498	8	0.65	<1	10	25	5	1.57	0.90	4	1.01	602	1	0.04	<1	0.07	1	3	34	22	0.12	<1	52	1	45	<1
107901	2.0	3.44	26	19	80	22	3.45	1	21	28	125	2.02	0.16	<1	2.62	1027	3	0.02	<1	0.12	8	11	61	43	0.08	<1	178	1	77	<1
107902	2.0	3.72	47	19	47	25	1.71	2	30	36	177	<0.01	0.16	<1	2.97	1037	4	0.03	<1	0.14	17	13	24	48	0.09	<1	187	1	97	<1
107903	1.9	3.06	4	18	42	20	3.00	1	23	26	179	1.98	0.16	<1	2.36	798	2	0.02	10	0.11	7	11	47	42	0.07	<1	139	1	58	<1
107904	3.3	3.60	34	16	44	30	1.28	3	39	31	343	<0.01	0.13	<1	2.83	902	5	0.02	14	0.14	148	14	20	60	0.09	<1	169	2	162	<1
107905	2.0	2.85	14	25	21	21	3.06	1	30	31	215	2.06	0.07	<1	2.29	705	4	0.04	<1	0.12	61	11	53	43	0.10	<1	167	1	63	1
107905 recut	2.1	2.81	13	19	23	21	2.91	1	30	30	210	2.11	0.08	<1	2.25	676	4	0.04	<1	0.12	53	11	49	43	0.10	<1	167	1	63	1
107906	1.6	2.63	<1	18	49	18	3.67	1	20	30	167	1.93	0.20	<1	1.96	641	5	0.04	<1	0.13	9	8	65	37	0.09	<1	134	1	43	1
107907	1.7	2.46	<1	16	55	22	3.92	2	29	27	285	2.06	0.24	<1	1.74	710	12	0.04	9	0.12	14	9	72	43	0.08	<1	123	1	97	<1
107908	8.8	2.60	1001	20	60	52	3.69	70	34	23	605	2.03	0.33	<1	1.87	1304	13	0.02	44	0.10	365	16	70	67	0.05	<1	113	42	4352	<1
107909	3.1	3.10	50	21	70	31	3.16	6	22	32	329	1.99	0.36	<1	2.37	1226	3	0.03	13	0.13	53	13	52	53	0.06	<1	154	4	321	<1
107910	0.8	1.86	53	29	51	16	0.37	1	23	55	3476	2.05	0.79	10	0.96	396	144	0.06	21	0.09	6	9	43	37	0.10	<1	141	4	56	<1
107911	3.1	3.40	17	22	50	32	3.37	3	39	30	359	1.99	0.26	<1	2.51	983	12	0.03	13	0.16	66	15	56	59	0.05	<1	168	2	134	<1
107912	1.6	2.52	<1	18	65	21	3.68	1	21	23	271	2.00	0.29	<1	1.77	783	5	0.03	5	0.14	4	10	64	42	0.06	<1	114	1	37	<1
107913	2.5	3.43	267	20	43	33	3.37	5	27	30	312	2.09	0.19	<1	2.61	1091	61	0.02	10	0.14	110	16	64	64	0.06	<1	148	3	243	<1
107914	2.4	3.27	8	26	61	23	3.30	3	22	32	227	2.00	0.27	<1	2.64	1068	5	0.04	<1	0.14	126	10	57	45	0.10	<1	172	2	148	1
107915	1.2	2.99	<1	20	40	24	3.01	1	27	38	220	1.96	0.16	<1	2.30	731	2	0.06	<1	0.14	8	10	58	47	0.11	<1	196	1	50	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on August 16, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

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To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

File No : 6 0 1 84
 Date : October 12, 2016
 Samples : Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107915 recut	1.6	3.14	<1	22	44	24	3.11	1	27	42	224	2.00	0.19	<1	2.41	771	2	0.07	<1	0.14	10	10	62	48	0.12	<1	205	1	52	2
107916	1.6	2.74	4	21	28	26	2.84	1	34	37	277	2.08	0.12	<1	2.11	736	2	0.07	<1	0.15	6	10	52	52	0.12	<1	197	1	49	1
107917	1.2	2.71	1	21	40	23	2.76	2	26	31	225	1.92	0.16	<1	2.10	793	2	0.07	<1	0.15	17	8	51	44	0.12	<1	163	1	95	1
107918	1.6	2.57	71	27	40	30	3.21	3	42	32	294	2.03	0.18	<1	1.84	846	2	0.07	<1	0.14	22	10	62	50	0.10	<1	164	2	201	1
107919	1.6	2.82	90	24	45	33	2.89	2	32	35	325	2.03	0.22	<1	2.02	962	2	0.07	<1	0.15	23	11	49	50	0.09	<1	177	3	146	<1
107920	<0.5	1.91	<1	25	470	9	0.92	<1	11	30	4	1.53	0.91	4	1.03	683	1	0.06	<1	0.09	6	3	53	22	0.13	<1	56	1	48	<1
107921	1.2	2.18	1	22	23	23	2.96	3	26	27	231	1.93	0.11	<1	1.53	551	2	0.07	<1	0.15	14	8	49	44	0.10	<1	135	2	158	1
107922	1.2	1.94	<1	24	33	17	2.82	1	32	24	232	1.89	0.14	<1	1.24	357	1	0.07	<1	0.16	29	7	51	32	0.13	<1	106	1	40	3
107923	2.0	2.62	444	30	20	62	2.83	7	59	31	342	2.06	0.10	<1	1.94	853	2	0.06	<1	0.14	13	15	53	65	0.10	<1	157	4	408	<1
107924	12.0	1.61	124	22	<1	189	3.57	36	82	12	2129	1.96	0.08	<1	0.89	559	18	0.05	40	0.07	376	25	61	138	0.04	30	66	17	1861	<1
107925	2.0	3.28	3	21	22	31	2.98	3	26	36	375	2.06	0.14	<1	2.36	1558	2	0.07	<1	0.14	41	11	50	54	0.09	<1	239	2	156	<1
107925 recut	2.1	3.27	4	26	21	31	3.12	3	26	34	385	2.10	0.14	<1	2.32	1549	2	0.07	<1	0.14	40	10	52	53	0.09	<1	237	2	164	<1
107926	2.0	2.62	1561	22	10	32	3.46	18	133	31	264	2.05	0.08	<1	1.92	1080	62	0.04	4	0.12	15	12	82	55	0.05	<1	159	10	1033	<1
107927	1.2	2.52	2	27	51	23	2.25	2	46	19	376	2.08	0.23	<1	1.78	335	2	0.06	<1	0.21	<1	12	40	47	0.12	<1	132	1	107	1
107928	1.2	2.54	1	25	57	21	3.02	4	34	27	274	2.01	0.23	<1	1.86	497	3	0.07	<1	0.17	108	8	56	42	0.13	<1	138	3	243	2
107929	1.7	3.28	<1	22	37	26	3.30	2	35	33	296	2.09	0.17	<1	2.55	762	3	0.07	<1	0.15	6	9	64	53	0.11	<1	188	1	80	<1
107930	1.6	1.15	35	24	36	11	0.27	1	16	37	2418	1.57	0.56	6	0.64	306	98	0.04	16	0.08	18	5	32	24	0.08	<1	96	2	37	<1
107931	2.0	2.45	10	16	41	21	1.97	4	20	20	160	<0.01	0.19	<1	1.81	1035	2	0.03	7	0.11	22	6	31	40	0.05	<1	132	2	268	<1
107932	1.6	2.02	4	19	36	14	2.91	1	15	20	118	1.59	0.16	<1	1.60	721	1	0.02	2	0.09	11	6	48	27	0.06	<1	130	1	66	<1
107933	2.3	2.20	10	15	42	15	2.52	1	20	22	158	1.57	0.18	<1	1.76	588	3	0.03	4	0.10	34	8	43	30	0.06	<1	117	<1	51	<1
107934	3.3	2.50	1	16	34	17	2.76	3	17	20	160	1.63	0.17	<1	2.11	656	1	0.02	7	0.12	70	5	47	33	0.03	<1	142	1	104	<1
107935	2.0	2.27	6	19	46	15	2.80	1	17	19	150	1.61	0.22	<1	1.79	690	7	0.02	5	0.11	13	6	49	29	0.05	<1	114	<1	40	<1
107935 recut	2.1	2.29	6	17	45	15	2.84	1	17	18	156	1.63	0.21	<1	1.85	701	6	0.02	5	0.11	14	6	49	30	0.06	<1	116	<1	49	<1
107936	1.2	2.20	2	17	58	14	2.54	1	16	20	125	1.61	0.31	<1	1.62	654	1	0.02	5	0.11	4	5	45	29	0.06	<1	118	<1	30	<1
107937	8.9	1.23	310	18	34	65	2.78	22	111	5	735	1.63	0.08	<1	0.84	513	281	0.02	143	0.17	158	19	54	103	0.01	16	66	13	1441	<1
107938	1.2	2.01	<1	16	32	15	2.29	1	17	22	140	1.65	0.12	<1	1.60	544	6	0.03	5	0.11	7	6	33	30	0.07	<1	129	<1	24	<1
107939	1.6	2.03	2	16	62	14	2.26	1	16	19	131	1.59	0.28	<1	1.52	545	6	0.02	13	0.13	5	6	34	29	0.05	<1	101	<1	24	<1
107940	<0.5	1.25	<1	19	356	6	0.38	<1	8	27	2	1.28	0.71	3	0.72	415	<1	0.04	<1	0.07	4	<1	24	17	0.12	<1	38	<1	33	<1
107941	0.8	1.36	<1	20	81	10	1.75	<1	9	12	80	1.47	0.31	<1	0.87	334	5	0.03	<1	0.05	4	4	28	20	0.08	<1	61	<1	20	<1
107942	1.6	1.72	9	16	53	27	1.89	2	33	23	350	1.69	0.23	<1	1.34	454	18	0.03	19	0.10	19	11	32	52	0.04	<1	94	<1	53	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

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 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on August 16, 2016

Certified by: _____



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

File No : 6 0 1 84
 Date : October 12, 2016
 Samples : Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107943	1.6	2.09	3	19	37	17	2.51	1	19	27	218	1.60	0.15	<1	1.75	607	8	0.03	6	0.13	16	6	42	32	0.08	<1	141	<1	42	<1
107944	1.2	1.88	<1	18	33	15	2.44	1	16	23	156	1.58	0.13	<1	1.54	629	2	0.04	<1	0.12	11	5	44	30	0.09	<1	116	<1	50	1
107945	2.4	1.78	30	18	26	26	2.43	1	25	27	385	1.63	0.07	<1	1.49	647	1	0.03	<1	0.11	14	6	44	41	0.09	<1	125	<1	52	<1
107945 recut	1.9	1.90	30	18	31	27	2.39	1	26	28	402	1.60	0.11	<1	1.57	670	1	0.04	<1	0.12	15	6	45	42	0.09	<1	131	<1	55	<1
107946	1.7	2.17	<1	21	46	22	2.53	5	18	24	276	1.69	0.18	<1	1.73	793	<1	0.04	1	0.12	14	7	52	40	0.09	<1	132	3	269	<1
107947	4.4	2.20	1351	20	41	133	2.06	7	193	26	1136	1.66	0.14	<1	1.79	857	5	0.03	9	0.10	42	20	35	62	0.05	<1	142	16	447	<1
107948	1.6	1.74	22	18	41	22	2.05	2	24	20	207	1.59	0.14	<1	1.36	628	2	0.04	1	0.12	15	4	38	32	0.07	<1	97	1	101	<1
107949	2.4	2.01	55	17	34	38	1.72	1	52	26	603	1.68	0.11	<1	1.68	607	2	0.03	3	0.12	20	7	28	49	0.06	<1	128	2	79	<1
107950	1.2	1.29	40	25	40	12	0.29	1	19	43	2818	1.61	0.61	7	0.74	348	109	0.04	16	0.09	21	6	31	27	0.10	<1	111	2	41	<1
107951	1.5	1.58	4	19	26	18	2.27	1	21	23	216	1.56	0.09	<1	1.27	394	1	0.04	<1	0.13	7	5	50	35	0.09	<1	104	<1	22	<1
107952	1.2	1.75	2	18	30	15	2.25	1	25	21	189	1.53	0.13	<1	1.12	357	<1	0.04	<1	0.14	9	3	36	28	0.09	<1	82	<1	19	1
107953	1.2	1.85	462	19	30	23	2.31	1	47	24	214	1.69	0.13	<1	1.30	491	1	0.05	<1	0.14	11	8	40	36	0.09	<1	107	2	47	1
107954	0.8	1.41	1	24	16	12	2.23	1	25	18	188	1.54	0.06	<1	0.78	224	<1	0.04	<1	0.15	6	2	33	24	0.12	<1	62	<1	11	3
107955	0.8	1.44	<1	21	27	12	1.96	1	23	16	175	1.49	0.10	<1	0.84	211	<1	0.04	<1	0.15	7	4	29	24	0.13	<1	64	<1	15	2
107955 recut	0.8	1.47	<1	21	20	12	2.03	1	24	18	180	1.59	0.09	<1	0.84	211	<1	0.04	<1	0.15	9	4	30	25	0.14	<1	67	<1	13	3
107956	<0.5	1.48	<1	22	14	10	1.91	<1	22	19	146	1.54	0.05	<1	0.76	164	1	0.04	<1	0.12	5	3	26	20	0.12	<1	60	<1	5	3
107957	1.2	1.91	<1	21	8	11	2.69	1	20	20	161	1.63	0.02	<1	1.11	268	<1	0.03	<1	0.12	6	3	37	23	0.09	<1	67	<1	20	2
107958	0.8	2.38	<1	22	24	14	2.32	1	31	23	200	1.78	0.12	<1	1.10	290	1	0.02	<1	0.15	6	3	20	29	0.08	<1	66	<1	23	1
107959	1.2	1.40	<1	24	18	12	1.92	1	25	16	189	1.69	0.07	<1	0.92	279	<1	0.04	<1	0.13	15	3	32	25	0.11	<1	69	<1	46	2
107960	<0.5	1.40	<1	26	304	6	0.46	<1	8	27	2	1.33	0.69	3	0.80	440	<1	0.04	<1	0.07	5	<1	39	16	0.12	<1	39	<1	36	<1
107961	8.6	1.39	962	19	26	195	2.28	7	180	21	924	1.89	0.06	<1	0.98	531	<1	0.04	8	0.09	162	18	40	81	0.04	4	102	3	362	<1
107962	0.8	1.70	<1	20	16	13	2.34	1	26	20	209	1.64	0.04	<1	0.85	308	<1	0.04	<1	0.13	7	2	35	26	0.12	<1	85	<1	22	3
107963	0.8	1.46	<1	24	11	13	1.82	1	32	17	226	1.69	0.03	<1	0.58	156	<1	0.04	<1	0.12	7	2	22	25	0.13	<1	74	<1	11	3
107964	1.7	2.10	<1	21	50	17	2.29	2	37	21	298	1.84	0.20	<1	1.55	372	<1	0.03	<1	0.14	7	8	38	35	0.09	<1	100	1	89	<1
107965	1.6	1.58	<1	18	28	14	3.19	2	28	23	247	1.84	0.10	<1	1.08	334	2	0.03	9	0.13	4	<1	56	28	0.11	<1	98	1	84	1
107965 recut	1.2	1.62	<1	17	33	14	3.18	2	27	21	248	1.81	0.13	<1	1.11	329	1	0.03	9	0.13	6	<1	57	28	0.10	<1	98	1	93	1
107966	<0.5	1.48	<1	20	14	15	1.56	1	30	20	209	1.93	0.05	<1	1.01	177	1	0.05	10	0.13	6	<1	24	31	0.13	<1	97	1	62	2
107967	0.8	1.97	3	20	33	18	2.24	1	29	22	194	2.00	0.12	<1	1.57	307	2	0.06	10	0.14	8	<1	42	36	0.10	<1	115	1	85	1
107968	1.2	2.49	2	18	27	19	1.62	3	28	29	215	1.92	0.11	<1	2.15	476	3	0.05	10	0.14	8	<1	25	37	0.13	<1	160	2	228	1
107969	1.2	2.40	<1	21	23	16	3.14	3	21	30	168	1.88	0.08	<1	2.09	493	2	0.04	9	0.13	5	<1	54	31	0.11	<1	162	2	181	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on August 16, 2016

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File No : 6 0 1 84
 Date : October 12, 2016
 Samples : Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107970	0.8	1.62	26	21	118	17	0.69	1	14	37	665	1.93	0.24	4	0.71	490	30	0.09	50	0.06	26	1	35	33	0.10	<1	90	5	78	4
107971	1.2	2.52	<1	19	13	19	2.98	1	23	36	176	1.91	0.04	<1	2.17	526	2	0.03	10	0.13	5	<1	51	37	0.12	<1	187	1	37	1
107972	1.6	2.76	<1	21	35	16	3.38	1	17	28	120	1.82	0.14	<1	2.26	674	2	0.03	7	0.12	3	<1	69	33	0.11	<1	153	1	34	1
107973	1.6	2.20	9	20	17	27	2.48	1	32	27	235	2.00	0.07	<1	1.85	464	1	0.04	13	0.14	15	<1	49	50	0.10	<1	164	<1	30	<1
107974	1.2	2.96	<1	20	38	18	3.07	1	21	27	188	1.93	0.17	<1	2.42	580	1	0.04	9	0.13	5	<1	54	36	0.11	<1	142	1	53	1
107975	1.2	2.24	2	21	20	18	2.99	1	25	28	182	1.92	0.08	<1	1.89	579	1	0.06	9	0.12	12	<1	53	36	0.12	<1	158	1	53	1
107975 recut	1.2	2.33	2	24	22	19	3.00	1	26	28	190	1.92	0.09	<1	1.95	599	1	0.06	9	0.13	12	<1	54	37	0.12	<1	164	1	52	2
107976	1.6	2.97	7	21	37	24	3.18	4	27	32	199	1.98	0.16	<1	2.29	1085	2	0.05	12	0.14	27	<1	54	45	0.11	<1	190	2	263	<1
107977	2.4	2.61	3	19	35	38	3.52	2	54	26	739	1.93	0.17	<1	1.75	848	1	0.04	43	0.16	15	<1	67	71	0.06	<1	140	1	55	<1
107978	1.2	2.91	2	22	13	22	2.53	1	28	37	230	1.95	0.06	<1	2.33	823	2	0.06	12	0.15	6	<1	41	44	0.13	<1	210	1	56	1
107979	0.8	2.59	1	26	24	25	2.05	1	35	26	294	1.99	0.13	<1	1.84	637	2	0.06	19	0.14	9	<1	38	48	0.14	<1	140	1	47	1
107980	1.6	3.29	5	19	28	26	2.95	2	35	37	298	1.98	0.11	<1	2.36	1040	2	0.06	12	0.16	21	<1	54	50	0.14	<1	203	1	113	1
107981	<0.5	2.40	<1	22	683	12	1.07	<1	14	33	2	1.75	<0.01	7	1.30	800	1	0.06	2	0.11	5	<1	38	28	0.21	<1	91	1	90	<1
107982	5.0	3.53	11	18	21	47	3.47	18	47	26	373	1.83	0.12	<1	2.34	1493	2	0.04	26	0.18	345	<1	75	75	0.07	<1	312	12	1334	<1
107983	1.2	2.95	4	23	24	25	2.85	1	32	31	296	1.97	0.10	<1	2.02	726	5	0.06	17	0.16	11	<1	48	48	0.11	<1	181	1	64	1
107984	0.8	2.27	<1	27	31	25	1.88	1	38	23	344	2.05	0.13	<1	1.50	486	3	0.08	18	0.16	12	<1	37	47	0.13	<1	122	1	56	1
107985	2.9	3.26	6	20	<1	42	3.52	2	52	26	534	1.94	0.09	<1	2.02	991	2	0.03	39	0.09	15	<1	79	76	0.06	<1	123	1	67	<1
107985 recut	0.8	2.46	1	23	21	23	1.93	1	33	26	283	2.00	0.11	<1	1.77	611	2	0.06	18	0.14	7	<1	34	46	0.12	<1	133	1	45	1
107986	0.8	1.89	<1	25	24	20	1.94	1	32	23	255	1.95	0.09	<1	1.44	406	1	0.07	12	0.16	7	<1	35	38	0.15	<1	116	1	31	2
107987	1.2	3.12	4	20	32	27	2.69	1	31	27	303	1.96	0.19	<1	2.26	704	2	0.05	15	0.15	7	<1	47	51	0.10	<1	156	<1	39	<1
107988	1.2	2.73	7	23	22	25	2.83	1	37	34	305	1.99	0.10	<1	2.11	575	2	0.05	15	0.14	10	<1	51	49	0.13	<1	196	1	38	1
107989	0.8	2.46	3	26	24	22	1.99	1	30	29	303	1.93	0.09	<1	1.94	383	2	0.06	12	0.15	7	<1	35	44	0.17	<1	163	<1	32	3
107990	27.8	2.35	1081	23	232	17	1.29	1	19	29	86	1.77	0.28	6	0.88	576	8	0.24	18	0.06	11	13	93	30	0.13	<1	108	2	62	1
107991	1.2	2.83	4	22	19	21	2.87	2	31	29	247	1.88	0.11	<1	2.26	601	3	0.05	10	0.14	9	<1	57	42	0.13	<1	179	1	104	2
107992	1.2	3.10	5	20	33	22	3.05	1	32	31	264	1.83	0.15	<1	2.35	855	4	0.05	12	0.15	14	<1	63	43	0.12	<1	180	1	61	1
107993	0.8	2.55	6	25	40	19	2.88	1	24	29	188	1.90	0.12	<1	1.92	750	4	0.05	13	0.15	12	<1	67	37	0.13	<1	167	1	59	2
107994	1.2	2.39	3	22	30	20	2.73	1	26	30	185	1.94	0.09	<1	1.89	704	3	0.05	15	0.15	19	<1	56	40	0.13	<1	163	1	41	2
107995	1.6	3.37	12	20	25	24	3.14	1	32	38	258	1.94	0.10	<1	2.54	867	3	0.04	14	0.15	10	<1	63	47	0.11	<1	234	1	51	1
107995 recut	1.2	3.50	12	24	27	25	3.13	1	33	40	249	1.89	0.10	<1	2.61	906	3	0.05	14	0.15	10	<1	65	49	0.12	<1	245	1	53	1
107996	1.2	3.18	6	24	41	22	3.47	2	26	35	211	1.94	0.18	<1	2.35	965	6	0.05	11	0.15	13	<1	76	43	0.12	<1	189	1	87	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on August 16, 2016

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107997	4.6	1.36	213	22	17	19	4.54	10	20	11	330	1.57	0.06	<1	0.78	3946	1	0.03	6	0.02	226	<1	544	29	0.02	<1	32	7	671	<1
107998	3.6	4.66	384	19	53	46	3.25	3	110	31	934	1.79	0.27	<1	3.07	1683	2	0.04	15	0.11	48	<1	82	85	0.05	<1	176	1	124	<1
107999	0.8	2.08	<1	20	35	16	2.66	1	19	21	153	1.78	0.10	<1	1.61	669	<1	0.04	1	0.11	<1	4	54	32	0.07	<1	101	<1	29	<1
108000	<0.5	1.76	<1	20	461	8	0.45	<1	10	23	3	1.47	0.89	<1	1.01	486	<1	0.04	<1	0.08	3	1	27	20	0.13	<1	51	<1	46	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

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 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

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ISO9001:2008 Certified

To: Rotation Minerals
P. O. Box 211
426, King Street,
Stewart, B. C., V0T 1W0

FILE: 6 0 2 6 7
DATE: October 25, 2016
SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb
<u>"Assay Analysis"</u>	
64101	167
64102	182
64103	111
64104	161
64105	174
64105 recut	167
64106	180
64107	166
64108	451
64109	148
64110	4056
64111	237
64112	172
64113	156
64114	49
64115	142
64115 recut	149
64101 check	136
STD GS-1T (1080 ppb)	1196
Blank	<5
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.
Received Date:	September 6, 2016

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



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FILE: 6 0 2 6 7
DATE: October 25, 2016
SAMPLES: Core

Certificate of Assay

Attn: Ed Kruchkowski

Sample No.	Au ppb
<u>"Assay Analysis"</u>	
64116	239
64117	145
64118	140
64119	194
64120	127
64121	38
64122	170
64123	136
64124	157
64125	140
64125 recut	147
64126	6
64127	147
64128	150
64129	138
64130	4158
64131	233
64116 check	200
STD GS-1T (1080 ppb)	1196
Blank	<5
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.
Received Date:	September 6, 2016

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FILE: 6 0 2 6 7
DATE: October 25, 2016
SAMPLES: Core

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Sample No.	Au ppb
<u>"Assay Analysis"</u>	
64132	5
64133	10
64134	124
64135	21
064135 recut	20
107419	55
107420	<5
107421	888
107422	40
107423	16
107424	121
107425	21
107425 recut	19
107426	10
107427	16
107428	33
107429	31
64132 check	6
STD GS-1T (1080 ppb)	1196
Blank	<5
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.
Received Date:	September 6, 2016

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Assayer

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Sample No.	Au ppb
<u>"Assay Analysis"</u>	
107430	4040
107431	155
107432	6
107433	8
107434	<5
107435	6
107435 recut	7
107436/37	<5
107438	48
107439	7
107440	<5
107441	8
107442	31
107443	<5
107444	11
107445	13
107445 recut	23
107439 check	<5
STD GS-P4F (498 ppb)	515
Blank	<5
Methodology:	-Au- Fire Assay with AA / Gravimetric finish.
Received Date:	September 6, 2016

I HEREBY CERTIFY that the above results are those assays
made by me upon the herein described samples:

Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.



Loring Laboratories (Alberta) Ltd.

629 Beaverdam Road N.E.,
 Calgary Alberta T2K 4W7
 Tel: 403-274-2777 Fax: 403-275-0541
 loringlabs@telus.net

To: Rotation Minerals
 PO Box 211
 426 King St.
 Stewart BC V0T 1W0

File No : 6 0 2 67
 Date : October 25, 2016
 Samples : Core

Attn: Ed Kruckowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
64101	4.8	1.88	2	25	187	12	2.19	2	18	34	215	1.96	0.04	<1	1.49	518	1	0.03	8	0.11	35	3	44	27	0.09	<1	102	2	165	3
64102	4.8	2.82	1	24	95	18	1.24	4	26	44	254	2.18	0.10	<1	2.22	986	1	0.03	14	0.11	23	5	22	41	0.07	<1	140	3	348	2
64103	6.4	2.64	11	24	63	21	1.87	4	36	42	799	2.20	0.08	<1	2.02	1190	1	0.04	14	0.11	58	5	34	46	0.07	<1	137	3	336	2
64104	4.9	2.57	3	24	61	15	2.87	7	21	37	188	2.10	0.13	<1	1.92	891	1	0.03	11	0.11	80	3	46	33	0.07	<1	124	5	542	2
64105	4.8	2.48	3	24	52	15	3.30	4	20	45	169	2.03	0.09	<1	1.81	848	2	0.03	10	0.10	57	4	52	32	0.06	<1	146	3	287	2
64105 recut	5.7	2.51	3	26	49	15	3.03	3	20	41	166	2.08	0.09	<1	1.83	806	2	0.03	10	0.10	40	4	45	32	0.06	<1	136	2	205	2
64106	4.5	1.78	3	27	71	13	1.98	1	24	33	190	2.08	0.06	<1	1.36	438	2	0.04	12	0.11	8	5	29	30	0.09	<1	113	1	87	3
64107	4.3	2.17	1	24	32	16	1.77	1	25	34	214	2.08	0.07	<1	1.64	715	1	0.04	14	0.12	10	4	26	33	0.08	<1	124	1	91	3
64108	6.4	2.44	20	23	30	19	4.21	4	23	34	800	2.11	0.08	<1	1.68	1736	1	0.03	14	0.09	59	7	80	39	0.06	<1	129	2	267	2
64109	4.1	2.07	2	26	28	14	2.14	2	21	33	189	2.10	0.06	<1	1.49	888	1	0.04	9	0.11	54	5	29	29	0.09	<1	126	1	169	3
64110	39.5	1.74	1079	28	161	13	0.97	1	16	22	75	1.87	0.23	2	0.72	450	6	0.14	13	0.05	4	14	57	25	0.08	<1	82	2	70	2
64111	4.1	1.67	<1	27	36	12	1.87	1	25	26	221	2.02	0.06	<1	1.09	417	1	0.04	10	0.12	10	4	25	27	0.10	<1	90	1	78	3
64112	4.0	1.59	1	26	32	13	1.56	1	27	24	238	2.04	0.07	<1	0.99	355	1	0.04	11	0.12	12	4	20	28	0.09	<1	84	1	80	3
64113	3.9	1.56	<1	29	34	12	1.37	1	25	23	211	1.94	0.06	<1	0.95	317	1	0.04	9	0.12	13	3	17	25	0.10	<1	83	1	75	3
64114	4.5	1.47	<1	26	34	13	1.53	1	25	27	209	1.95	0.10	<1	1.11	445	2	0.04	13	0.12	11	4	27	29	0.07	<1	88	1	78	3
64115	5.4	3.37	<1	23	30	24	1.99	4	24	69	261	2.02	0.10	<1	2.82	1982	2	0.03	11	0.12	18	7	35	50	0.05	<1	192	3	301	2
64115 recut	5.4	3.35	<1	24	25	23	2.02	4	24	67	237	2.16	0.10	<1	2.77	1917	2	0.03	10	0.12	14	7	35	49	0.05	<1	191	3	304	2
64116	7.3	2.23	<1	22	32	41	2.37	9	58	31	712	2.13	0.20	<1	1.68	1236	62	0.03	51	0.09	18	9	46	87	0.03	<1	148	4	530	3
64117	4.3	1.73	2	25	26	16	1.93	2	26	29	196	1.94	0.11	<1	1.37	703	2	0.03	13	0.12	12	5	33	33	0.06	<1	94	1	124	2
64118	5.2	1.94	<1	25	23	18	1.96	3	23	42	191	2.03	0.06	<1	1.66	943	1	0.04	11	0.10	16	4	32	38	0.06	<1	142	2	218	2
64119	7.2	2.54	10	20	18	43	2.89	7	49	39	533	2.04	0.09	<1	1.98	1391	1	0.02	43	0.13	27	11	49	91	0.03	<1	176	4	431	3
64120	5.0	1.47	<1	29	343	7	0.59	1	10	33	25	1.53	0.81	4	0.92	571	1	0.04	<1	0.07	13	2	35	19	0.11	<1	48	1	92	1
64121	0.8	2.35	148	25	38	17	2.13	2	24	39	176	1.98	0.08	<1	1.86	1063	1	0.03	12	0.12	14	7	35	37	0.08	<1	134	1	126	2
64122	1.6	2.18	31	24	40	17	2.59	2	17	46	159	1.94	0.16	<1	1.69	1040	2	0.03	8	0.11	31	4	48	34	0.07	<1	133	2	153	2
64123	0.8	2.61	8	25	49	16	2.94	2	22	40	164	1.99	0.17	<1	1.73	930	2	0.04	11	0.11	23	4	75	35	0.07	<1	135	1	107	2
64124	4.1	3.44	25	24	37	27	3.67	13	14	42	159	2.06	0.17	<1	2.41	2604	2	0.01	8	0.09	114	8	84	54	0.02	<1	138	9	990	1
64125	1.2	3.03	3	24	32	21	2.70	8	18	50	149	1.96	0.13	<1	2.41	2323	2	0.03	12	0.11	29	5	52	43	0.06	<1	163	5	635	1
64125 recut	1.2	3.13	4	26	32	21	2.80	9	18	52	150	2.11	0.13	<1	2.47	2409	2	0.03	12	0.11	29	5	54	45	0.05	<1	165	6	670	1
64126	1.9	2.07	3	27	47	17	2.41	1	26	36	239	1.94	0.13	<1	1.72	782	1	0.04	15	0.12	27	5	51	35	0.06	<1	116	1	79	2
64127	3.1	3.34	74	23	38	20	3.91	6	18	45	153	1.92	0.20	<1	2.61	2812	2	0.01	13	0.09	112	7	110	38	0.03	<1	140	4	447	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on September 6, 2016

Certified by: _____



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To: Rotation Minerals
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 426 King St.
 Stewart BC V0T 1W0

File No : 6 0 2 67
 Date : October 25, 2016
 Samples : Core

Attn: Ed Kruchkowski

30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
64128	0.8	1.88	1	24	32	16	1.98	2	21	35	171	1.95	0.08	<1	1.70	684	1	0.03	11	0.10	23	5	41	32	0.05	<1	116	1	117	2
64129	36.2	2.38	5	25	90	15	2.30	2	14	39	331	1.93	0.14	<1	2.01	1315	1	0.02	8	0.11	186	5	46	32	0.03	<1	121	2	236	1
64130	22.5	0.95	824	24	114	10	0.67	<1	11	16	57	1.56	0.17	2	0.52	307	5	0.09	9	0.04	1	12	36	18	0.05	<1	56	2	43	1
64131	0.8	2.34	1	23	41	15	2.55	2	16	39	144	2.01	0.08	<1	2.03	949	2	0.02	10	0.10	18	4	62	33	0.04	<1	139	1	163	1
64132	4.5	2.22	<1	23	48	16	2.12	2	19	38	194	2.06	0.15	<1	2.03	983	2	0.03	12	0.10	32	4	71	35	0.03	<1	129	1	154	1
64133	1.9	2.71	12	20	35	18	3.12	3	16	32	129	1.92	0.16	<1	2.06	1962	4	0.01	9	0.08	88	5	68	36	0.02	<1	119	2	246	<1
64134	6.3	2.90	113	18	25	28	3.10	5	39	26	159	2.05	0.11	<1	1.88	2692	2	0.01	11	0.07	95	12	70	51	0.01	<1	109	3	404	<1
64135	2.3	2.58	6	21	32	18	2.79	1	16	38	158	1.95	0.13	<1	2.03	1576	1	0.02	11	0.09	15	5	53	36	0.02	<1	124	1	79	1
064135 recut	2.3	3.08	10	25	43	23	3.14	1	20	48	168	1.94	0.14	<1	2.39	1903	2	0.02	11	0.10	17	3	68	42	0.04	<1	146	1	80	<1
107419	2.7	1.64	4	26	42	19	1.47	1	30	31	286	1.99	0.14	<1	1.39	681	2	0.05	12	0.12	28	2	28	36	0.04	<1	89	1	72	<1
107420	1.2	1.40	2	28	45	7	0.75	<1	9	31	15	1.45	0.82	4	0.91	512	1	0.04	1	0.07	13	<1	26	18	0.10	<1	46	1	72	<1
107421	6.2	2.49	17	18	36	50	2.97	7	65	35	781	1.92	0.30	<1	1.98	1149	43	0.02	35	0.09	105	3	54	89	0.01	<1	155	3	328	<1
107422	0.8	1.80	4	27	30	16	2.10	1	22	43	180	1.87	0.13	<1	1.65	686	1	0.05	11	0.12	15	1	37	31	0.04	<1	117	1	67	<1
107423	1.2	2.34	5	30	28	19	2.85	1	26	45	200	1.98	0.13	<1	2.10	833	2	0.04	12	0.12	15	2	51	36	0.05	<1	141	1	48	<1
107424	1.2	2.33	15	29	34	20	2.90	2	35	41	266	2.01	0.19	<1	2.00	977	2	0.04	15	0.12	27	2	57	39	0.05	<1	118	1	73	<1
107425	<0.5	1.24	7	32	72	17	1.92	1	39	28	314	1.97	0.08	<1	0.98	333	1	0.05	16	0.12	19	3	35	32	0.07	<1	77	1	46	<1
107425 recut	0.8	1.31	9	32	25	18	1.85	1	40	27	310	1.89	0.09	<1	1.02	332	1	0.05	16	0.12	17	3	33	34	0.08	<1	81	1	51	<1
107426	<0.5	1.17	1	30	36	15	1.40	1	33	23	255	1.86	0.09	<1	0.91	294	2	0.06	17	0.13	12	1	23	29	0.07	<1	69	1	48	<1
107427	0.8	2.05	<1	31	33	18	2.25	2	25	35	219	1.93	0.14	<1	1.68	819	1	0.05	13	0.13	48	1	39	33	0.07	<1	111	1	151	<1
107428	2.5	3.11	8	30	33	23	2.20	6	28	48	263	2.02	0.18	<1	2.43	1276	5	0.05	18	0.13	82	3	47	44	0.06	<1	168	4	444	<1
107429	1.7	2.95	6	29	33	30	2.66	8	45	45	502	2.06	0.22	<1	2.25	1334	2	0.04	20	0.14	87	5	49	56	0.05	<1	164	4	513	<1
107430	31.7	1.80	1122	29	197	18	1.03	1	18	27	84	1.85	0.28	2	0.88	525	8	0.16	18	0.06	14	15	64	29	0.09	<1	96	2	67	1
107431	3.1	3.13	<1	19	20	51	2.90	8	96	39	867	1.81	0.11	<1	2.14	1592	2	0.03	45	0.08	41	6	63	98	0.02	<1	205	3	397	<1
107432	<0.5	1.13	1	33	20	13	1.29	1	26	21	212	1.77	0.08	<1	0.87	317	1	0.06	14	0.14	16	1	19	25	0.08	<1	73	1	61	1
107433	0.8	2.75	6	29	27	25	2.38	7	36	41	317	1.98	0.17	<1	2.04	1361	2	0.04	17	0.13	68	5	33	48	0.05	<1	142	4	476	<1
107434	<0.5	1.30	1	33	25	14	1.76	2	27	24	232	1.75	0.10	<1	0.90	406	3	0.05	14	0.14	28	1	26	26	0.08	<1	77	1	143	1
107435	<0.5	1.47	2	31	21	16	1.64	1	33	25	261	1.88	0.08	<1	1.08	341	1	0.05	17	0.14	16	3	27	31	0.07	<1	90	1	64	<1
107435 recut	<0.5	1.63	3	34	23	19	1.74	2	38	28	298	1.95	0.08	<1	1.18	376	1	0.06	19	0.14	18	3	29	36	0.08	<1	100	1	72	<1
107436/37	<0.5	2.30	2	31	22	20	1.69	3	29	37	239	1.92	0.08	<1	1.73	632	2	0.06	16	0.14	17	3	27	39	0.08	<1	145	1	123	<1
107438	2.1	4.02	1	28	14	42	2.63	5	63	60	434	1.95	0.06	<1	2.82	1010	2	0.04	36	0.12	30	7	44	81	0.04	<1	254	2	229	<1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba, Ca, Cr, Fe, K, La, Mg, Mn, Na, P, Sr, Ti and W.

* Sample received on September 6, 2016

Certified by: _____



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30 ELEMENT ICP ANALYSIS

Sample No.	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sr ppm	Th ppm	Ti %	U ppm	V ppm	W ppm	Zn ppm	Zr ppm
107439	0.8	2.79	2	28	14	23	2.39	2	32	42	266	1.92	0.04	<1	2.08	621	2	0.05	17	0.13	21	3	40	44	0.09	<1	177	1	87	<1
107440	<0.5	1.75	2	29	363	10	0.80	1	12	37	18	1.64	0.82	4	0.99	734	1	0.06	2	0.10	12	0	43	25	0.13	<1	68	1	95	<1
107441	0.8	2.78	5	28	22	23	1.92	3	27	48	207	2.00	0.10	<1	2.24	1126	2	0.06	14	0.14	21	4	34	44	0.06	<1	179	1	154	<1
107442	4.9	4.30	23	20	58	52	3.11	16	57	53	609	1.87	0.35	<1	2.72	3449	4	0.03	45	0.11	80	6	71	99	0.03	<1	204	9	1155	<1
107443	1.6	2.88	4	30	40	24	3.13	2	35	47	344	1.95	0.16	<1	2.31	1164	2	0.05	15	0.13	25	3	58	45	0.06	<1	169	1	102	<1
107444	3.1	3.86	8	26	33	28	4.03	5	30	46	232	1.78	0.18	<1	2.71	1942	2	0.03	14	0.11	96	8	120	50	0.04	<1	175	3	322	<1
107445	2.7	4.16	7	27	32	28	3.70	6	27	50	238	1.77	0.17	<1	2.93	2532	3	0.03	16	0.19	48	7	99	54	0.03	<1	261	3	385	<1
107445 recut	2.8	4.29	9	29	39	28	3.72	7	29	52	252	1.78	0.19	<1	3.02	2615	3	0.03	16	0.21	52	6	102	55	0.04	<1	273	3	424	<1
107446	4.0	3.29	17	27	41	37	3.92	6	61	39	533	1.74	0.24	<1	2.14	2322	6	0.03	28	0.09	107	6	131	70	0.03	<1	191	2	309	<1
107447	2.9	3.56	7	27	52	26	3.24	3	32	51	253	1.87	0.24	<1	2.61	1649	3	0.05	16	0.14	30	4	79	50	0.06	<1	185	2	192	<1
107448	<0.5	2.16	3	35	17	17	0.91	1	30	33	204	1.91	0.05	<1	1.81	521	1	0.06	18	0.16	10	1	12	35	0.14	<1	125	1	59	1
107449	3.5	3.17	34	25	15	35	1.46	3	60	57	2092	1.84	0.07	<1	2.46	781	12	0.06	24	0.16	93	6	27	65	0.09	<1	153	1	151	<1
107450	36.3	2.19	1330	37	233	19	1.14	1	21	31	98	1.87	0.32	2	0.99	619	9	0.19	20	0.07	16	17	74	33	0.10	<1	111	2	93	1
Blank	<0.5	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<0.01	<0.01	<1	<0.01	<1	<1	<0.01	<1	<0.01	<1	<1	<1	<1	<0.01	<1	<1	<1	<1	<1

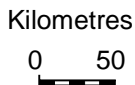
* Sample is digested with Aqua Regia at 95C for one hour and bulked to 20 ml with distilled water.
 Partial dissolution for Al, B, Ba,Ca, Cr,Fe,K,La,Mg,Mn,Na,P,Sr,Ti and W.

* Sample received on September 6, 2016

Certified by: _____

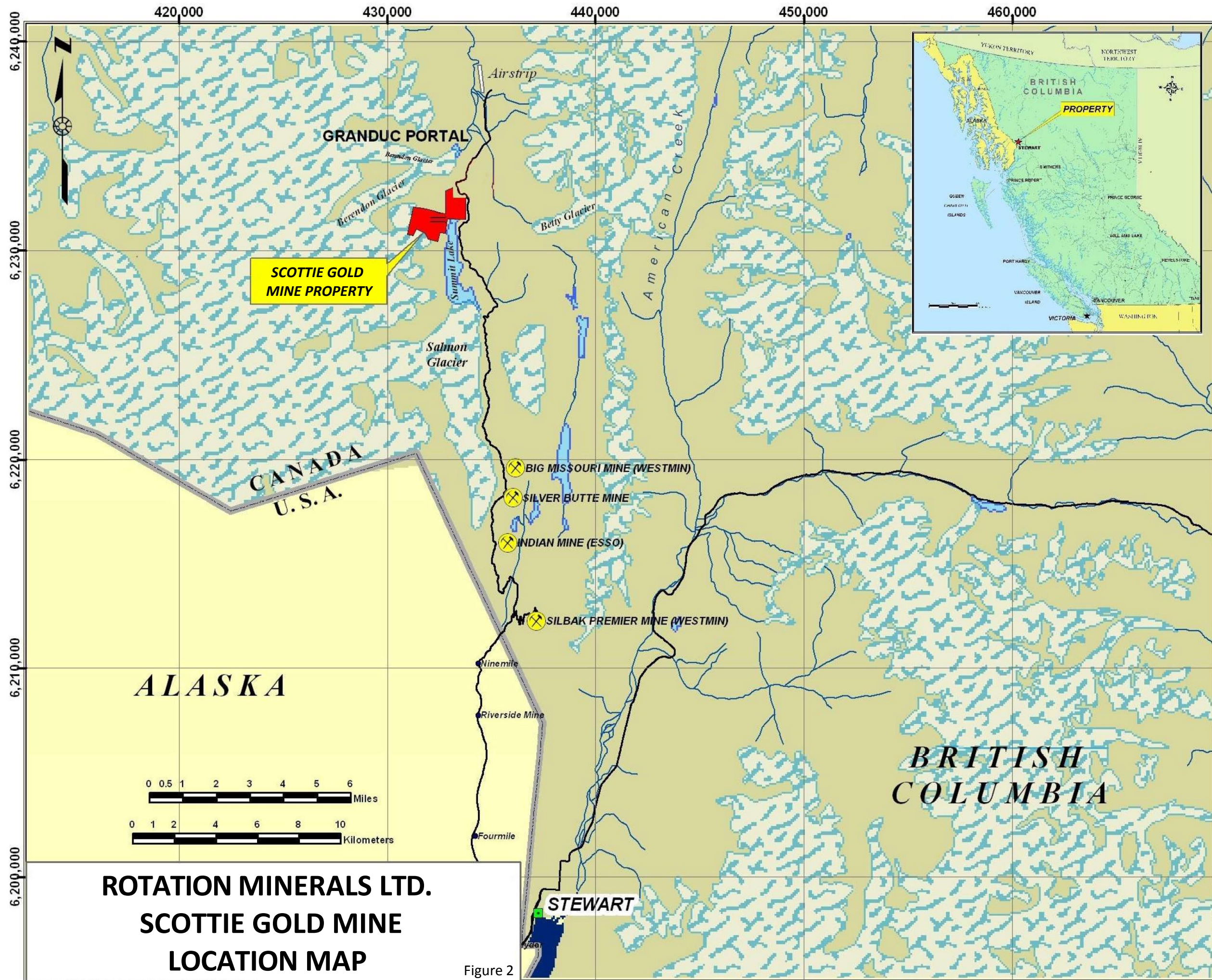


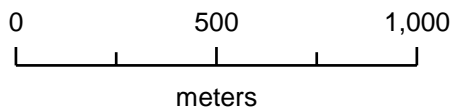
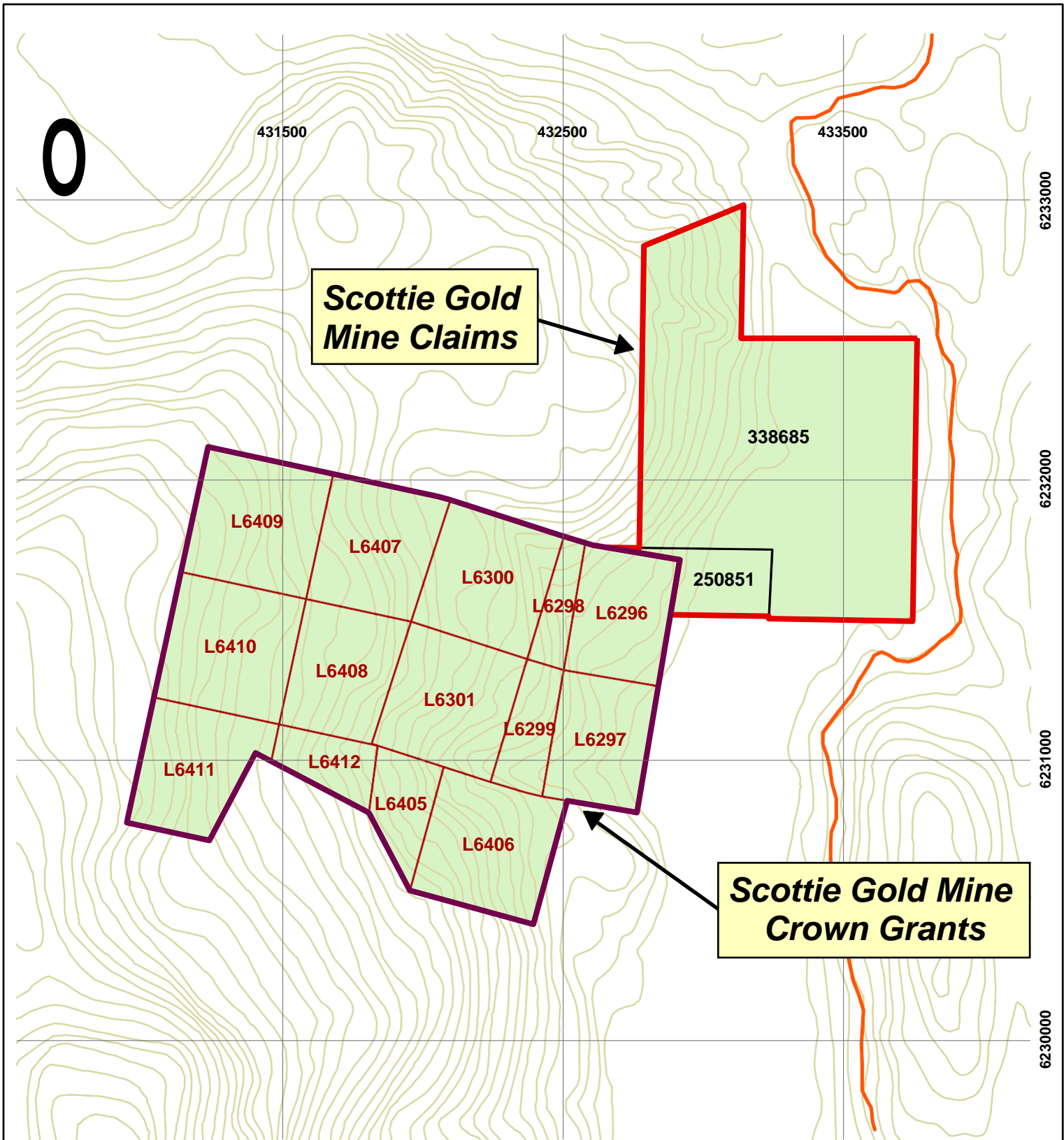
**SCOTTIE
GOLD MINE
PROPERTY**



To accompany report by E. Kruchkowski

ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION, B.C.	
LOCATION MAP	
NTS: 104A/4W	SCALE: As Shown
DATE: March, 2017	FIGURE: 1





ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
CLAIM MAP	
NTS: 104A/4W	SCALE: AS SHOWN
DATE: MARCH. 2017	FIGURE: 3

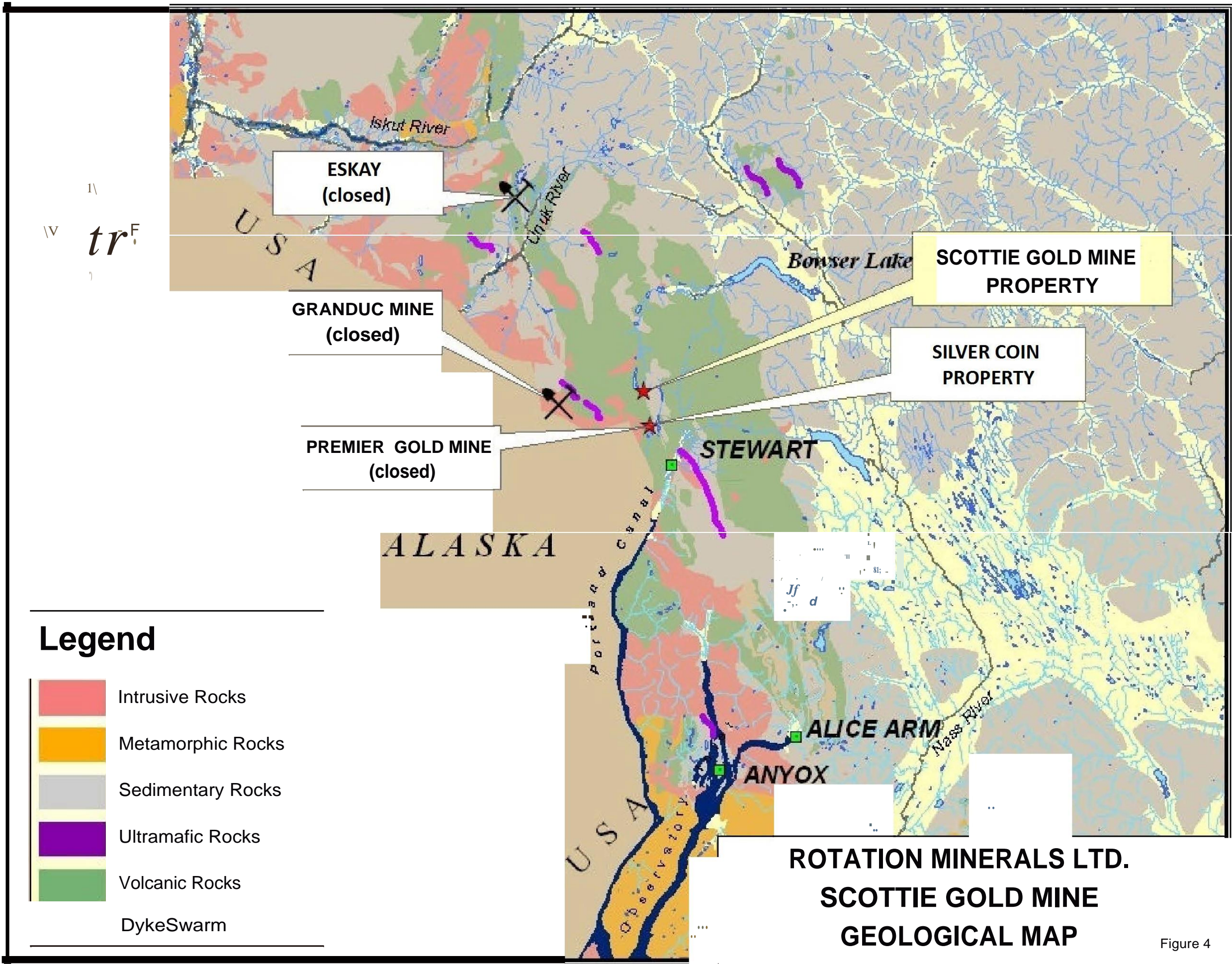
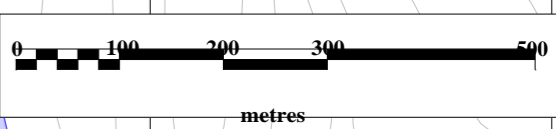
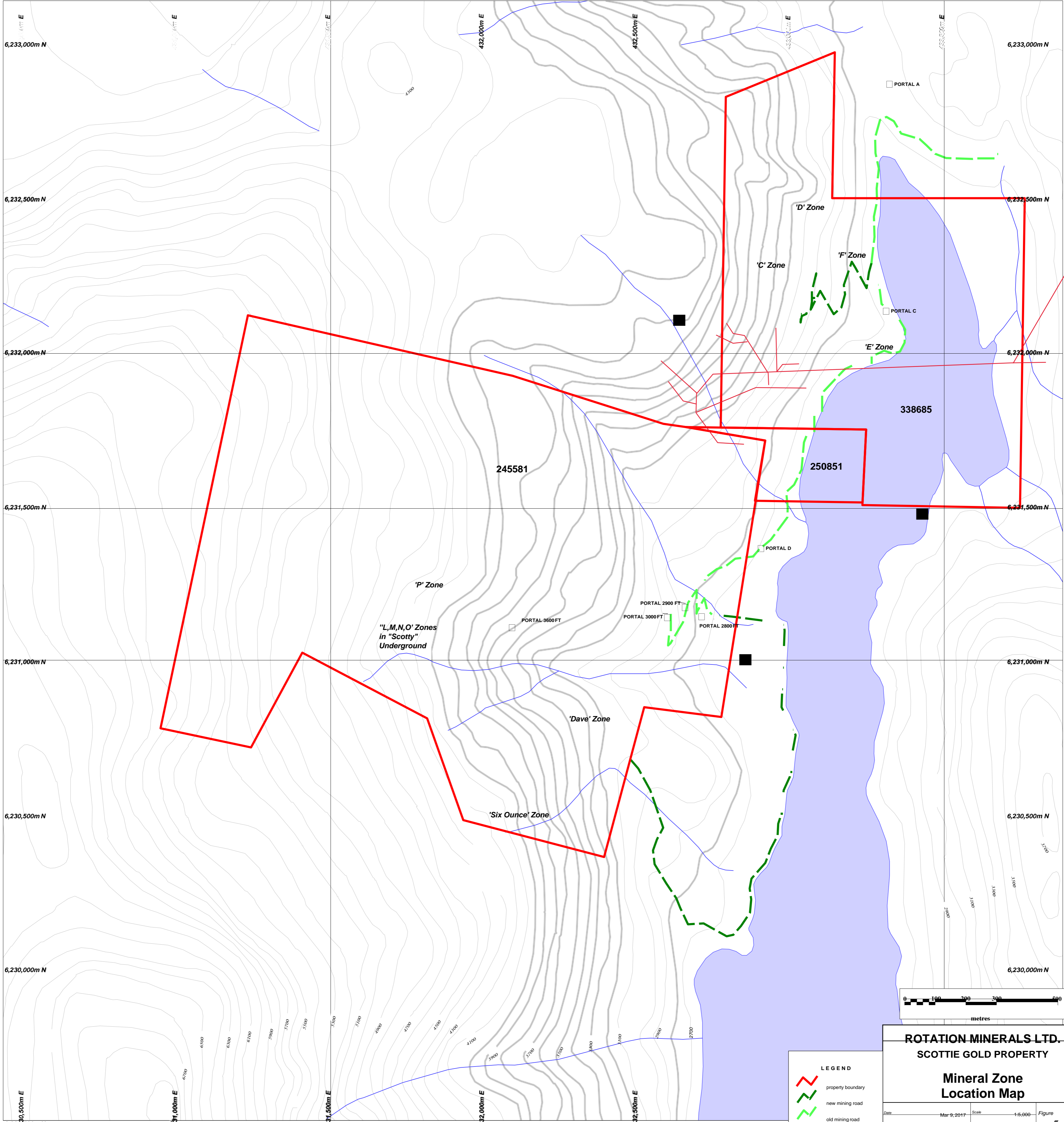


Figure 4

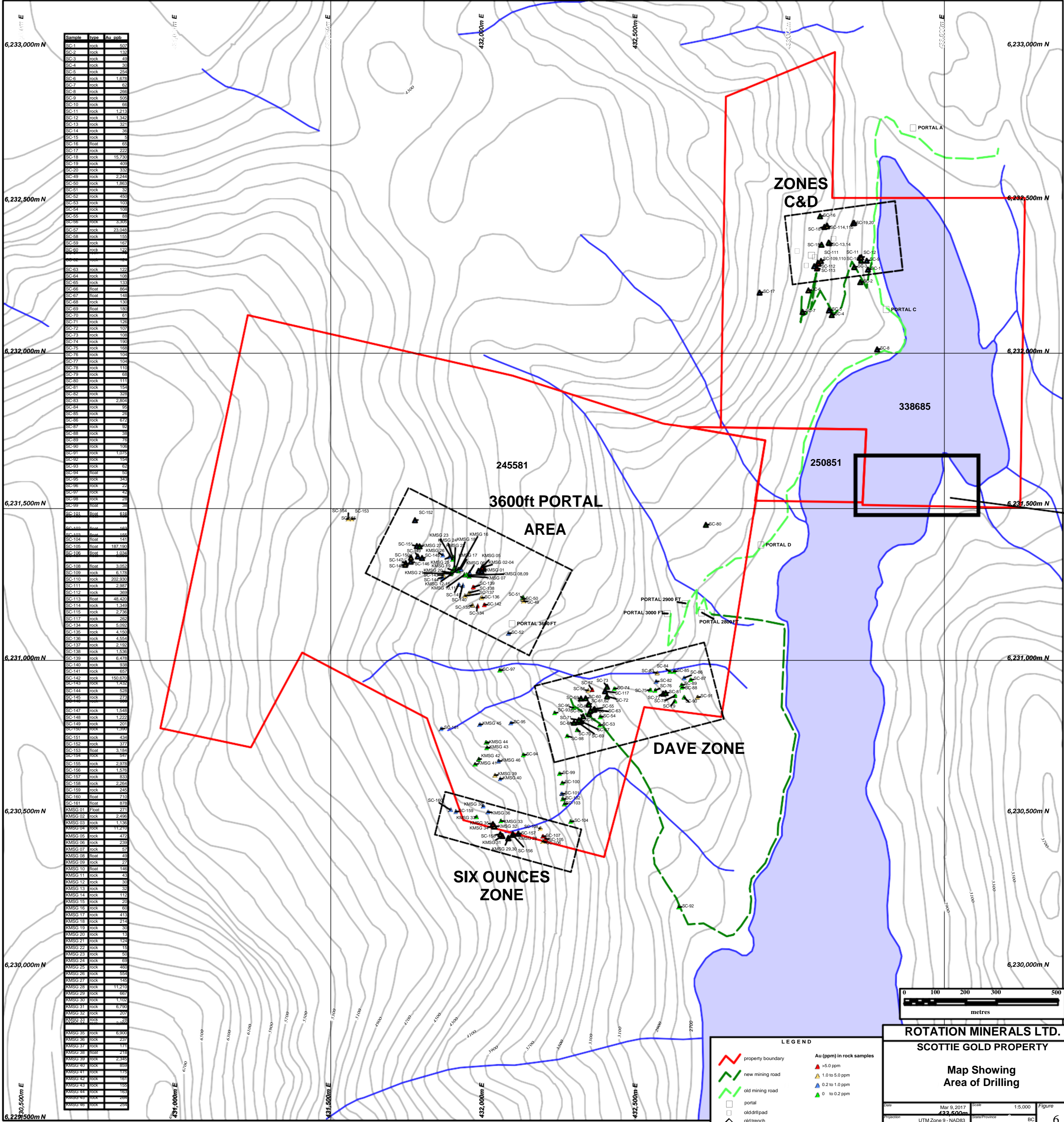


- LEGEND**
- property boundary
 - new mining road
 - old mining road
 - portal

ROTATION MINERALS LTD.
SCOTTIE GOLD PROPERTY

Mineral Zone Location Map

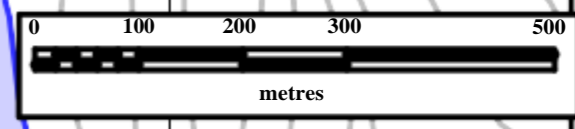
Date	Mar 9, 2017	Scale	1:5,000	Figure
Projection	UTM Zone 9 - NAD83	State/Province	BC	5
Author		File		



Sample	type	Au ppb
SC-1	rock	507
SC-2	rock	132
SC-3	rock	40
SC-4	rock	25
SC-5	rock	234
SC-6	rock	1678
SC-7	rock	62
SC-8	rock	266
SC-9	rock	506
SC-10	rock	66
SC-11	rock	213
SC-12	rock	1342
SC-13	rock	321
SC-14	rock	36
SC-15	rock	3
SC-16	float	66
SC-17	rock	228
SC-18	rock	16,730
SC-19	rock	409
SC-20	rock	332
SC-49	rock	2,247
SC-50	rock	1,863
SC-51	rock	32
SC-52	rock	426
SC-53	rock	108
SC-54	rock	108
SC-55	rock	88
SC-56	rock	3,309
SC-57	rock	23,048
SC-58	rock	198
SC-59	rock	161
SC-60	rock	122
SC-61	rock	122
SC-62	rock	122
SC-63	rock	122
SC-64	rock	103
SC-65	rock	133
SC-66	float	864
SC-67	float	148
SC-68	rock	130
SC-69	float	180
SC-70	rock	61
SC-71	rock	128
SC-72	rock	109
SC-73	rock	108
SC-74	rock	190
SC-75	rock	168
SC-76	rock	104
SC-77	rock	104
SC-78	rock	116
SC-79	rock	68
SC-80	rock	111
SC-81	rock	154
SC-82	rock	328
SC-83	rock	2,804
SC-84	rock	98
SC-85	rock	28
SC-86	rock	672
SC-87	rock	92
SC-88	rock	38
SC-89	rock	76
SC-90	rock	108
SC-91	rock	1076
SC-92	rock	154
SC-93	rock	82
SC-94	float	56
SC-95	rock	346
SC-96	rock	22
SC-97	rock	46
SC-98	rock	28
SC-99	float	38
SC-101	float	618
SC-102	float	168
SC-103	float	144
SC-104	float	141
SC-105	float	187,194
SC-106	float	1,034
SC-108	float	3,052
SC-109	rock	6,178
SC-110	rock	202,830
SC-111	rock	2,891
SC-112	rock	368
SC-113	float	48,420
SC-114	rock	1,349
SC-115	rock	2,736
SC-117	rock	262
SC-131	rock	6,093
SC-132	rock	4,154
SC-136	rock	4,554
SC-137	rock	2,192
SC-138	rock	1,538
SC-139	rock	6,478
SC-140	rock	639
SC-141	rock	634
SC-142	rock	150,670
SC-143	rock	1,432
SC-144	rock	528
SC-145	rock	278
SC-147	rock	1,543
SC-148	rock	1,222
SC-149	rock	201
SC-150	rock	1,391
SC-151	rock	434
SC-152	rock	377
SC-153	rock	3,181
SC-154	rock	1,941
SC-156	rock	2,978
SC-156	rock	1,578
SC-157	rock	833
SC-158	rock	2,264
SC-159	rock	245
SC-160	float	716
SC-161	float	878
KMSG 01	float	271
KMSG 02	rock	2,498
KMSG 03	rock	1,139
KMSG 04	rock	1,219
KMSG 05	rock	478
KMSG 06	rock	238
KMSG 07	rock	57
KMSG 08	float	49
KMSG 09	rock	27
KMSG 10	float	146
KMSG 11	rock	43
KMSG 12	rock	33
KMSG 13	rock	32
KMSG 14	rock	112
KMSG 15	rock	20
KMSG 16	rock	60
KMSG 17	rock	416
KMSG 18	rock	218
KMSG 19	rock	38
KMSG 20	rock	18
KMSG 21	rock	124
KMSG 22	rock	16
KMSG 23	rock	50
KMSG 24	rock	68
KMSG 25	rock	458
KMSG 26	rock	554
KMSG 27	rock	149
KMSG 28	rock	11,210
KMSG 29	rock	667
KMSG 30	rock	1,102
KMSG 31	rock	6,786
KMSG 32	rock	209
KMSG 33	rock	28
KMSG 35	rock	6,900
KMSG 36	rock	237
KMSG 37	rock	171
KMSG 38	float	218
KMSG 39	rock	2,349
KMSG 40	rock	859
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KMSG 43	rock	182
KMSG 44	rock	186
KMSG 45	rock	268
KMSG 46	rock	294

LEGEND

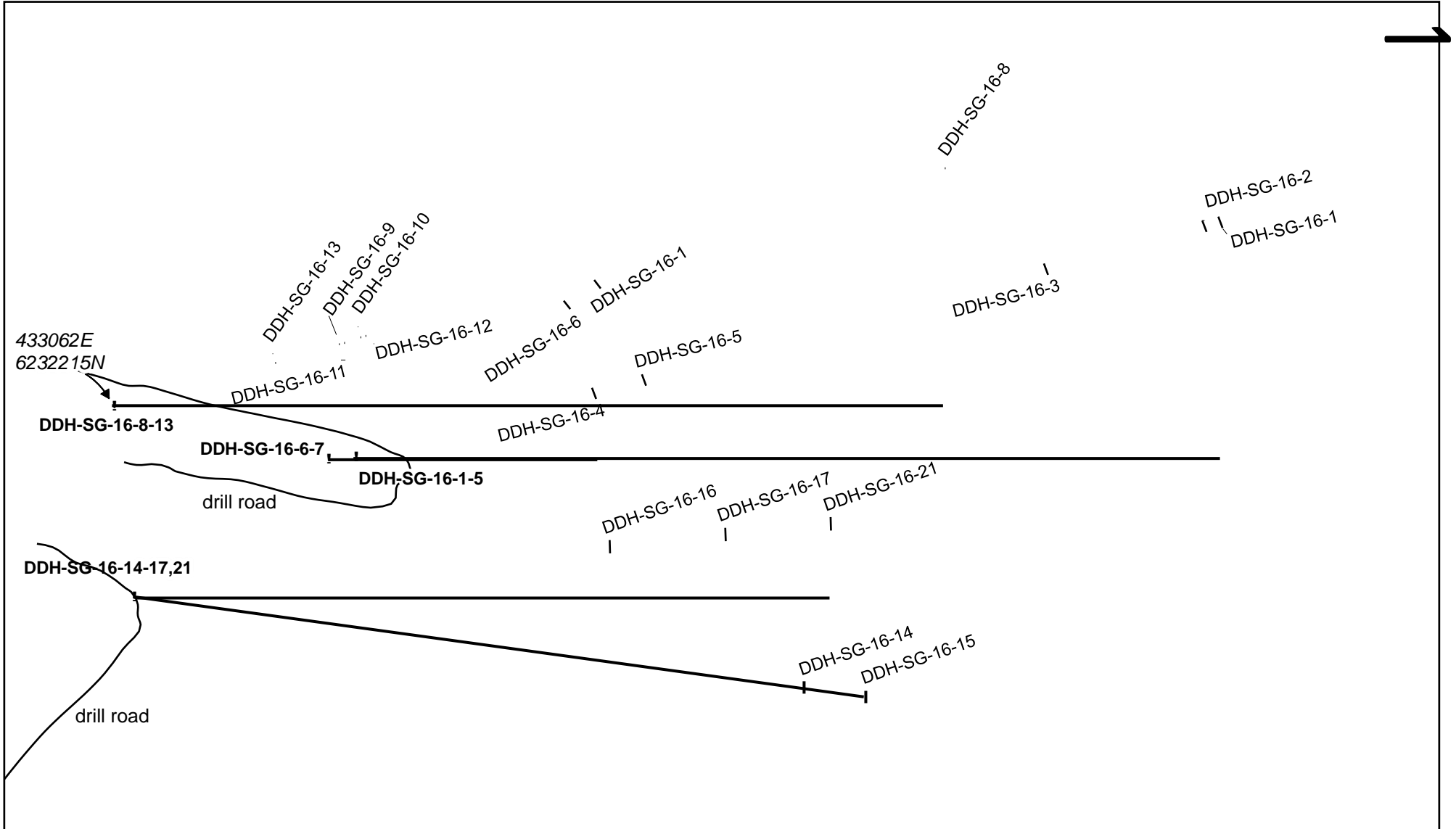
	property boundary		Au (ppm) in rock samples
	new mining road		>5.0 ppm
	old mining road		1.0 to 5.0 ppm
	portal		0.2 to 1.0 ppm
	old drill pad		0
	old trench		



ROTATION MINERALS LTD.
SCOTTIE GOLD PROPERTY

Map Showing Area of Drilling

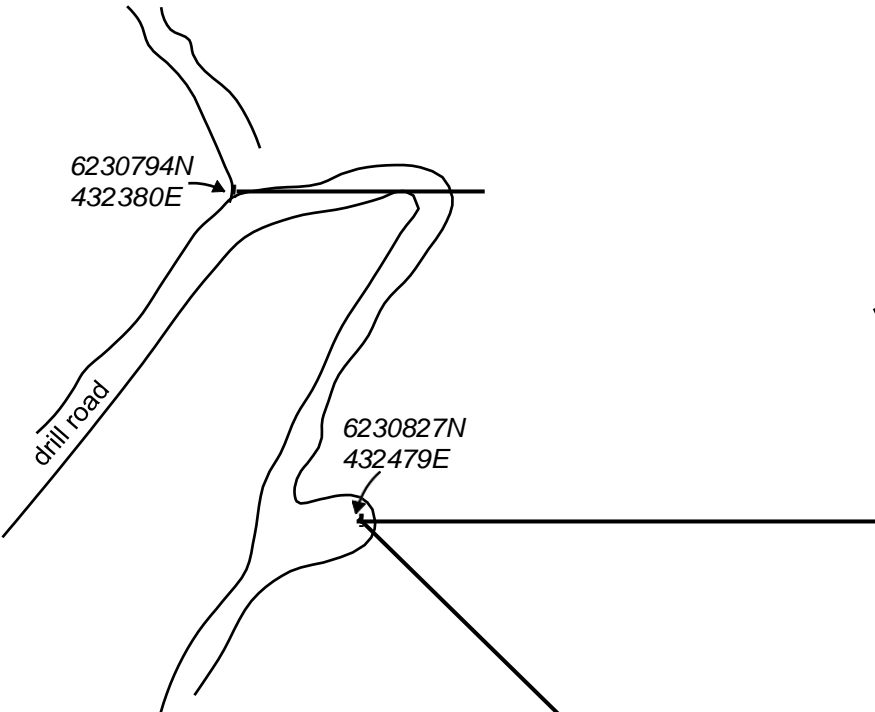
Date	Mar 9, 2017	Scale	1:5,000	Figure	
Projection	UTM Zone 9 - NAD83	State/Province	BC		
Author		File			6



ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
Plan Map Showing DDH-SG-16-1-17 and 21	
NTS: 104B/8E	SCALE: 1:1000
DATE: March. 2017	FIGURE: 7



DDH-SG-16-18



DDH-SG-16-19

6230827N
432479E

DDH-SG-16-20

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

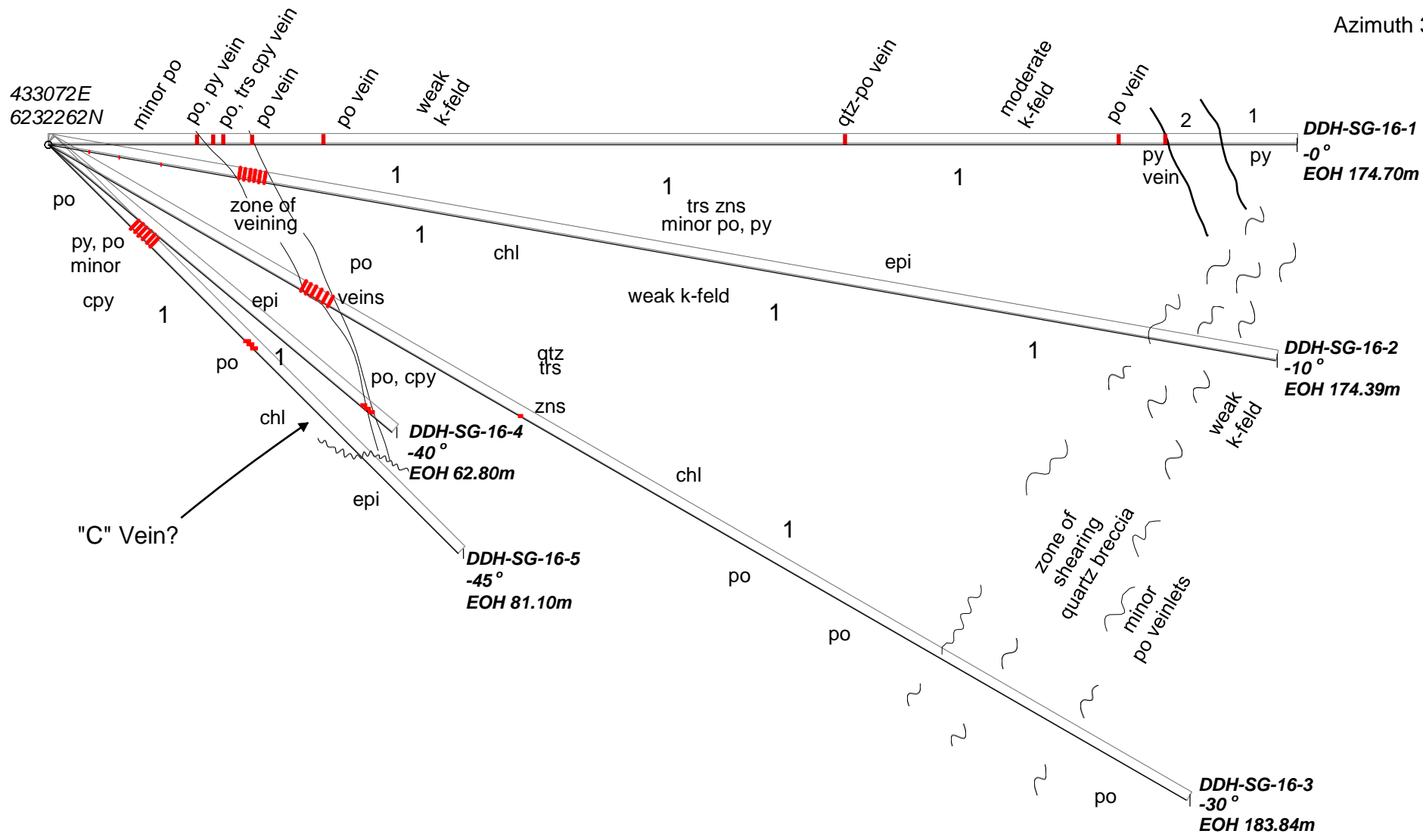
**Plan Map Showing
DDH-SG-16-18-20**

NTS: 104B/8E

SCALE: 1:2000

DATE: March, 2017

FIGURE: 8



Legend

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

Symbols

- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- shearing

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

Map Showing Geological Cross-Section DDH-SG-16-1-5

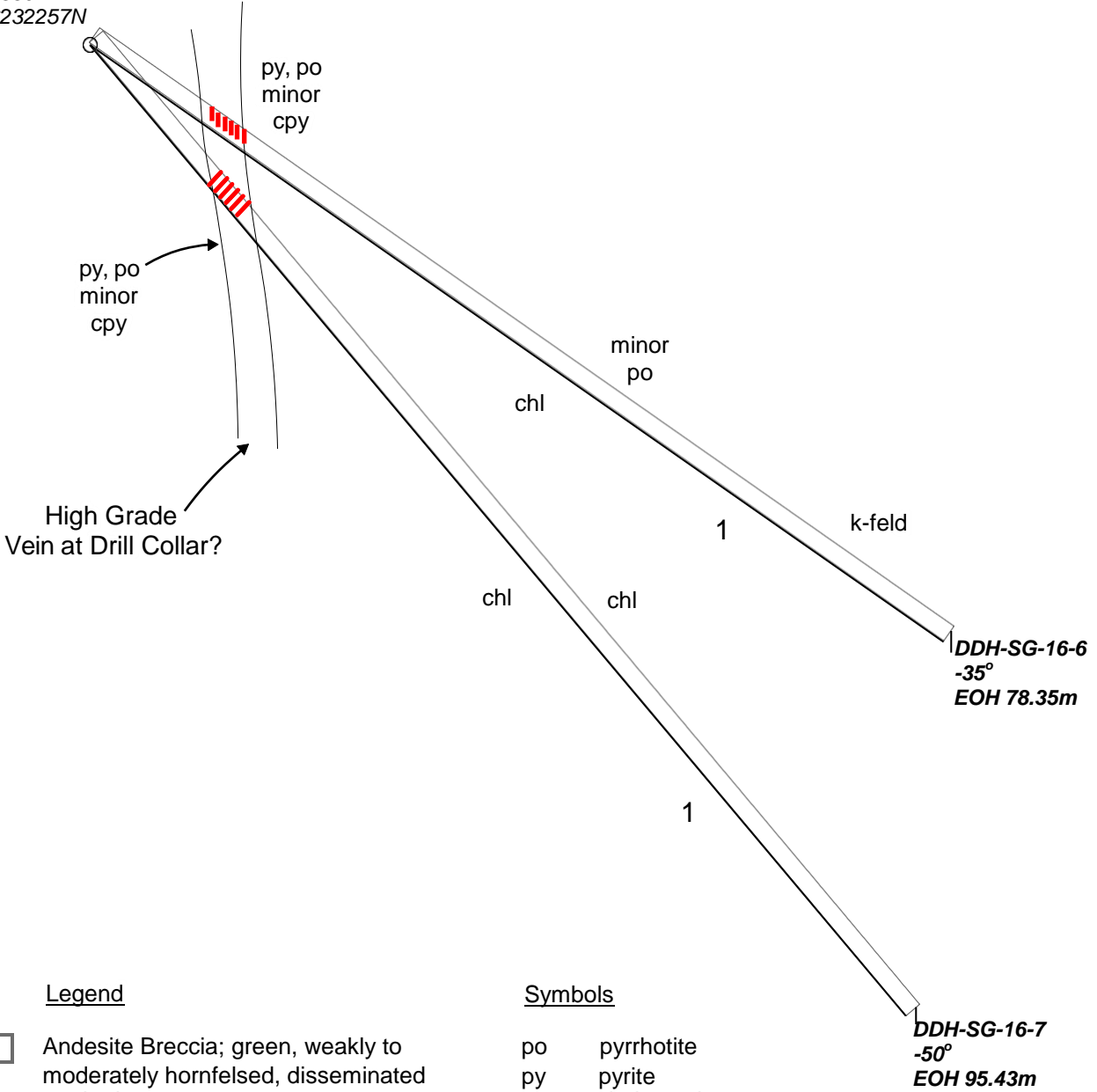
NTS: 104B/8E

SCALE: 1:800

DATE: March, 2017

FIGURE: 9

433072E
6232257N



Legend

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

Symbols

- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- shearing

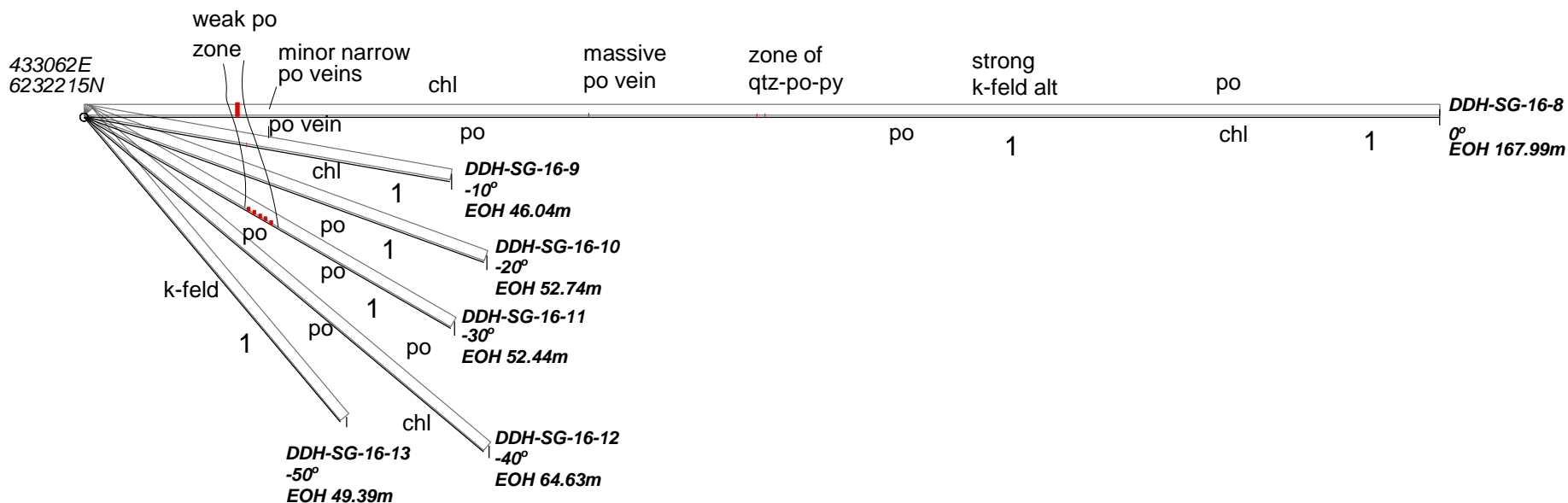
ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

Map Showing Geological Cross-Section DDH-SG-16-6-7

NTS: 104B/8E	SCALE: 1:500
DATE: March, 2017	FIGURE: 10



Legend

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

Symbols

- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- shearing

ROTATION MINERALS LIMITED

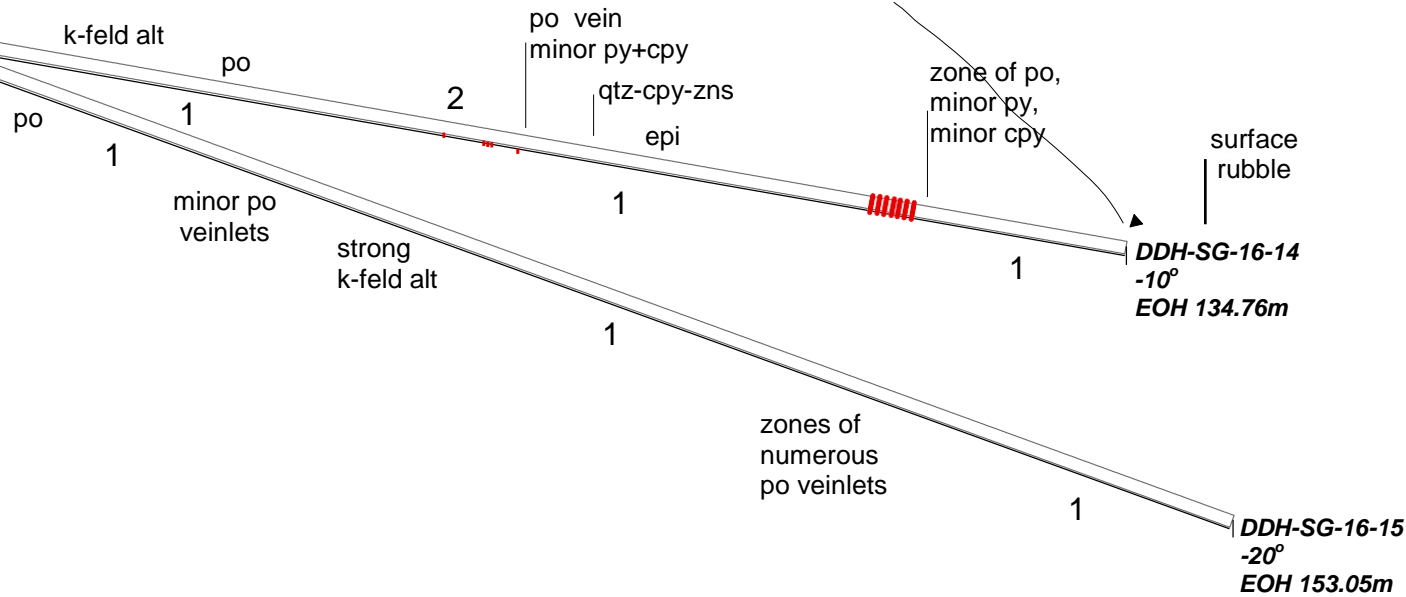
SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

Map Showing Geological Cross-Section DDH-SG-16-8-13

NTS: 104B/8E	SCALE: 1:800
DATE: March, 2017	FIGURE: 11

433099E
6232229N



DDH-SG-16-14
-10°
EOH 134.76m

DDH-SG-16-15
-20°
EOH 153.05m

Legend

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

Symbols

- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- shearing

ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
Map Showing Geological Cross-Section DDH-SG-16-14-15	
NTS: 104B/8E	SCALE: 1:800
DATE: March, 2017	FIGURE: 12

433099E

6232219N

weak k-feld epi chl

zone of numerous
qtz-zns-cpy
veinlets

po
veinlet

surface
rubble

DDH-SG-16-16
-0°
EOH 92.38m

po 1

minor
po-qtz-epi
veinlets

1

2

2

po

po
vein

po
vein

minor
narrow
po veinlets

1

py
vein

DDH-SG-16-17
-20°
EOH 116.77m

minor
po

po
vein

weak
k-feld

coarse
py

1

minor
po

DDH-SG-16-21
-30°
EOH 154.57m

Legend

1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%

2 Granodiorite; grey, medium grained equigranular

Sulphide Veins

po +/- py +/- cpy

Symbols

po pyrrhotite

py pyrite

cpy

chalcopyrit

e qtz quartz

k-feld k-feldspar alteration

epi epidote

chl chlorite

zns

sp

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

Map Showing Geological Cross-Section DDH-SG-16-16-17,21

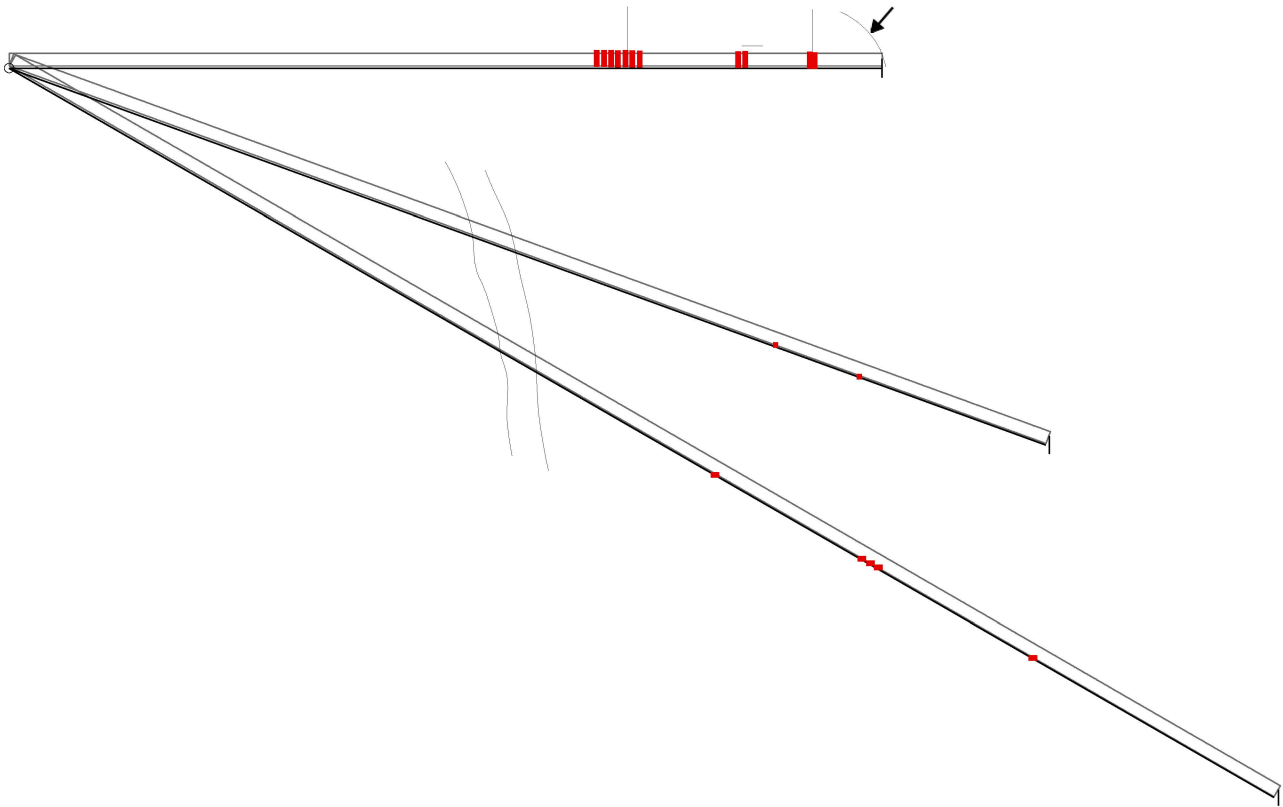
NTS: 104B/8E

SCALE: 1:800

DATE: March, 2017

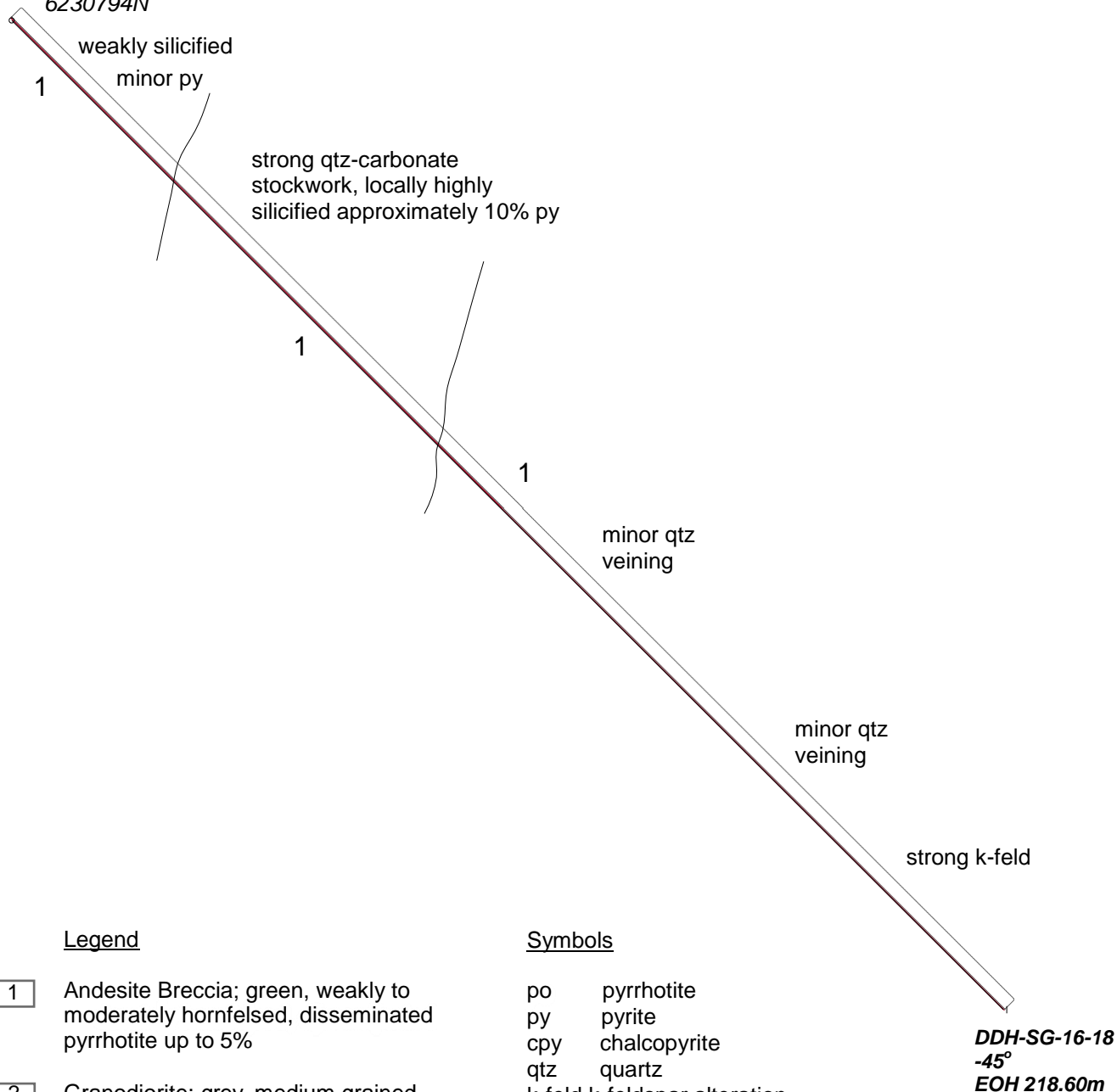
FIGURE: 13

halerite
shearing



B

432380E
6230794N



Legend

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

Symbols

- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- shearing

ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
Map Showing Geological Cross-Section DDH-SG-16-18	
NTS: 104B/8E	SCALE: 1:1000
DATE: March, 2017	FIGURE: 14

432499E
6230827N

Azimuth 340°

local
strong
epi

strong
qtz/calcite
stockwork

1

k-feld

local narrow
po veinlets

2

1

2

1

minor
qtz/calcite
stockwork

DDH-SG-16-19
-45°
EOH 248.78m

Legend

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

Symbols

- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- ↗ shearing

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

Map Showing Geological Cross-Section DDH-SG-16-19

NTS: 104B/8E

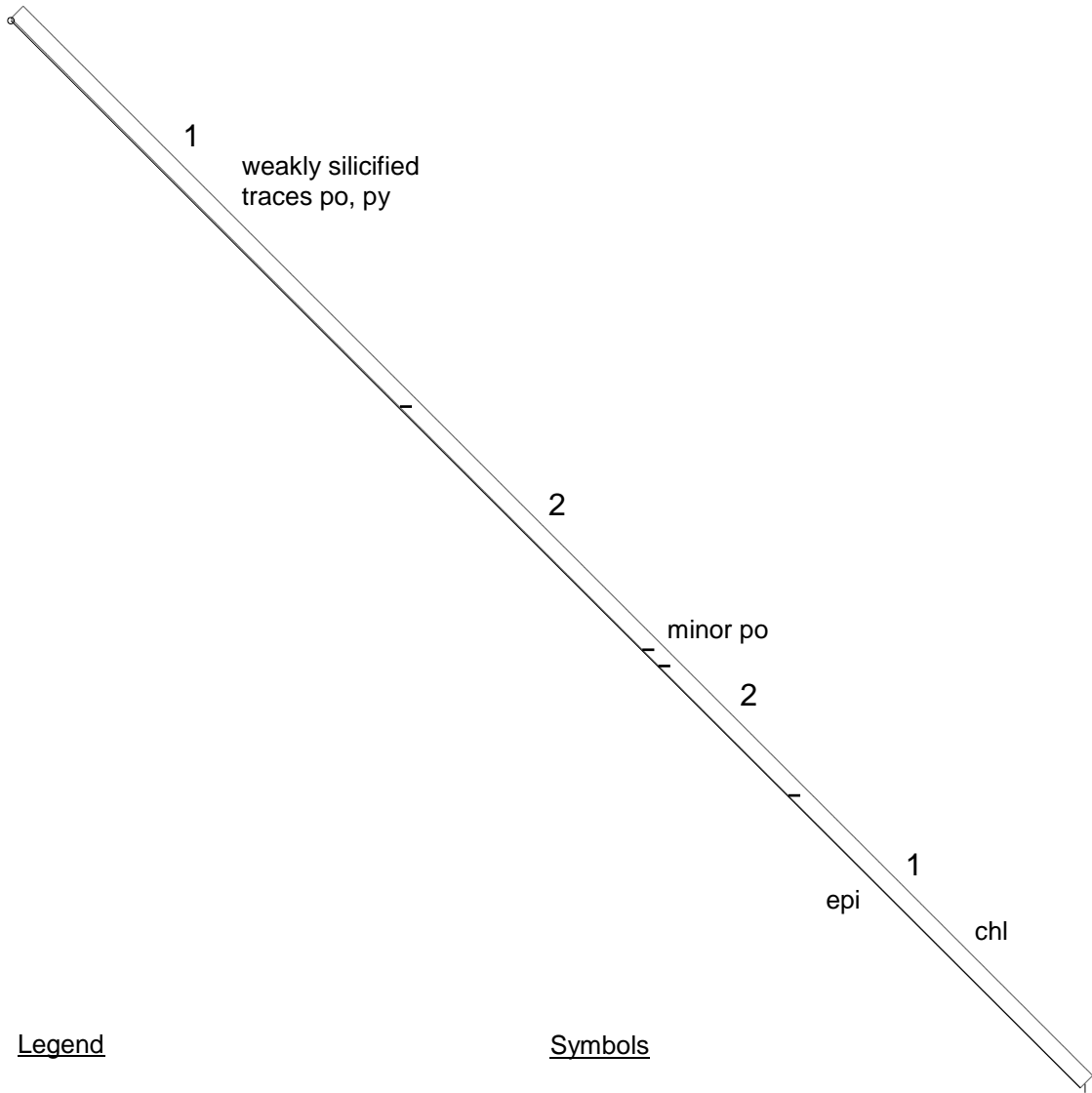
SCALE: 1:1200

DATE: March, 2017

FIGURE: 15

432479E
6230827N

Azimuth 045°



DDH-SG-16-20
-45°
EOH 154.57m

Legend

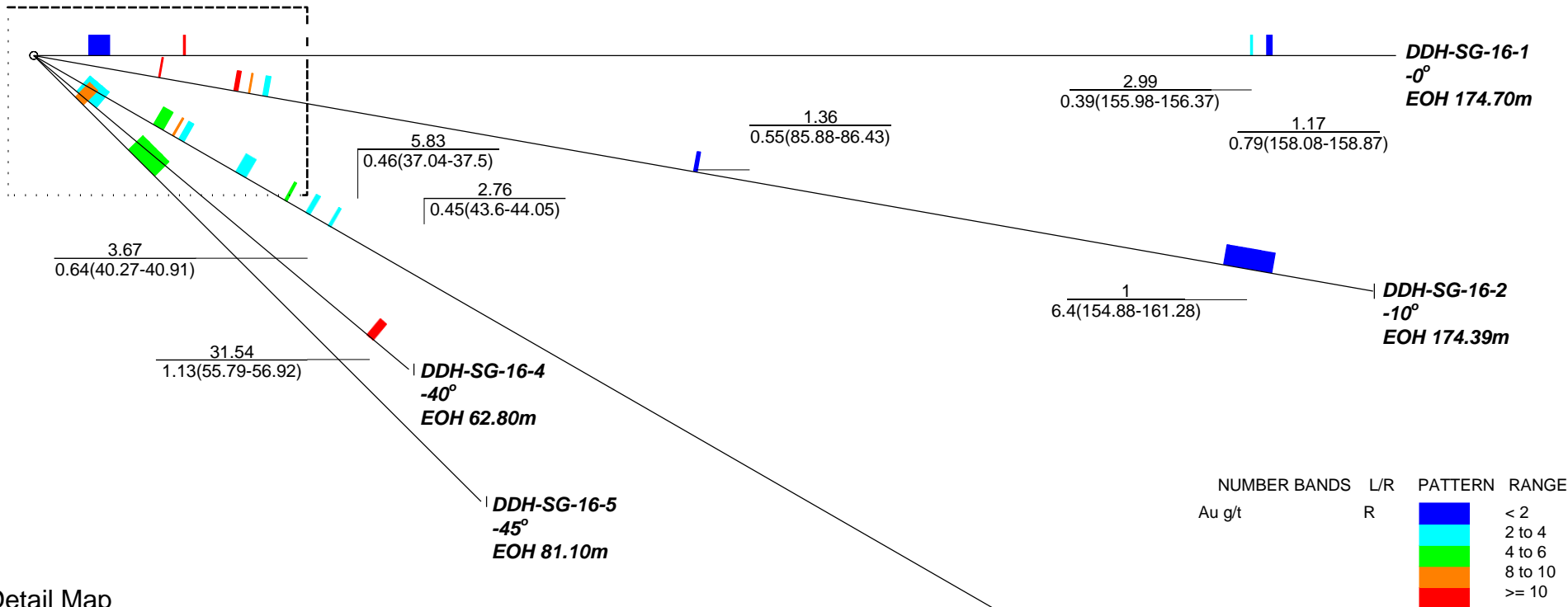
Symbols

- 1 Andesite Breccia; green, weakly to moderately hornfelsed, disseminated pyrrhotite up to 5%
- 2 Granodiorite; grey, medium grained equigranular
- Sulphide Veins
po +/- py +/- cpy

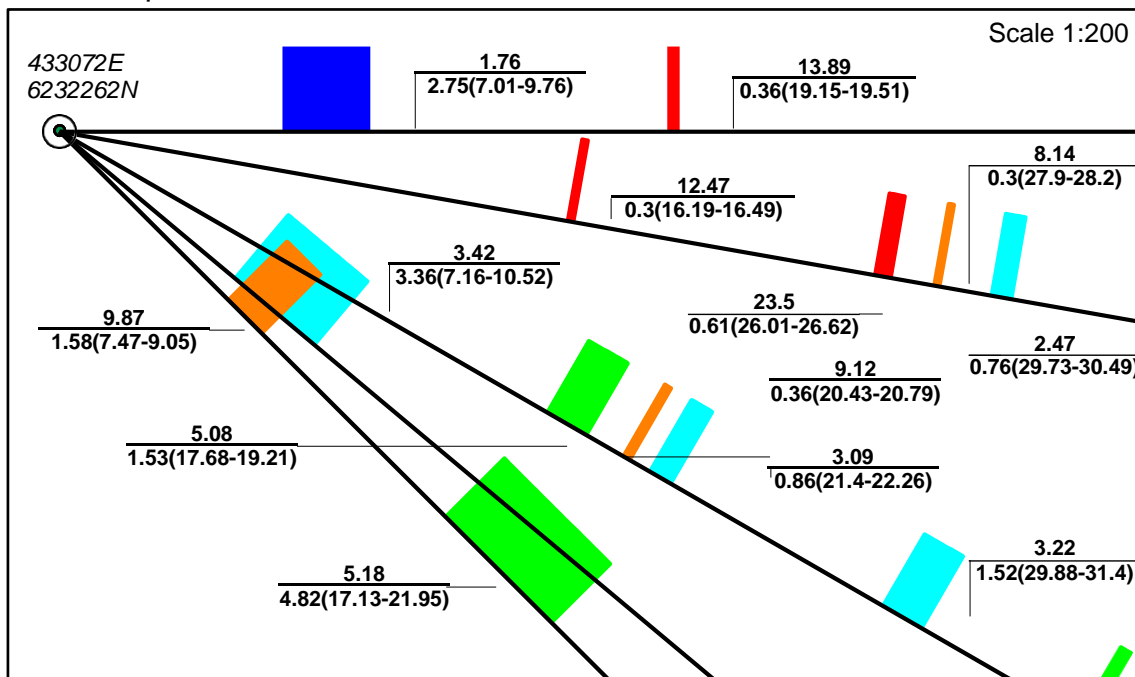
- po pyrrhotite
- py pyrite
- cpy chalcopyrite
- qtz quartz
- k-feld k-feldspar alteration
- epi epidote
- chl chlorite
- zns sphalerite
- shearing

ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
Map Showing Geological Cross-Section DDH-SG-16-20	
NTS: 104B/8E	SCALE: 1:1200
DATE: March, 2017	FIGURE: 16

See Detail



Detail Map



DDH-SG-16-3
-30°
EOH 183.84m

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

**Map Showing Assay Section
DDH-SG-16-1-5**

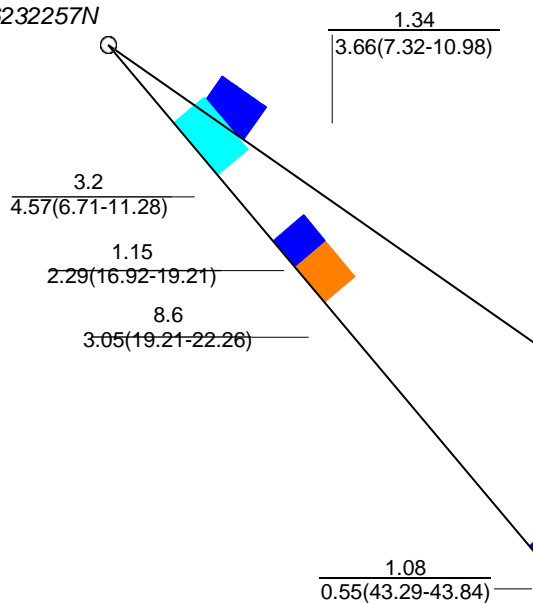
NTS: 104B/8E

SCALE: 1:800

DATE: March, 2017

FIGURE: 17

433072E
6232257N



DDH-SG-16-6
-35°
EOH 78.35m

DDH-SG-16-7
-50°
EOH 95.43m

NUMBER BANDS	L/R	PATTERN	RANGE
Au g/t	R		< 2
			2 to 4
			4 to 6
			8 to 10
			>= 10

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

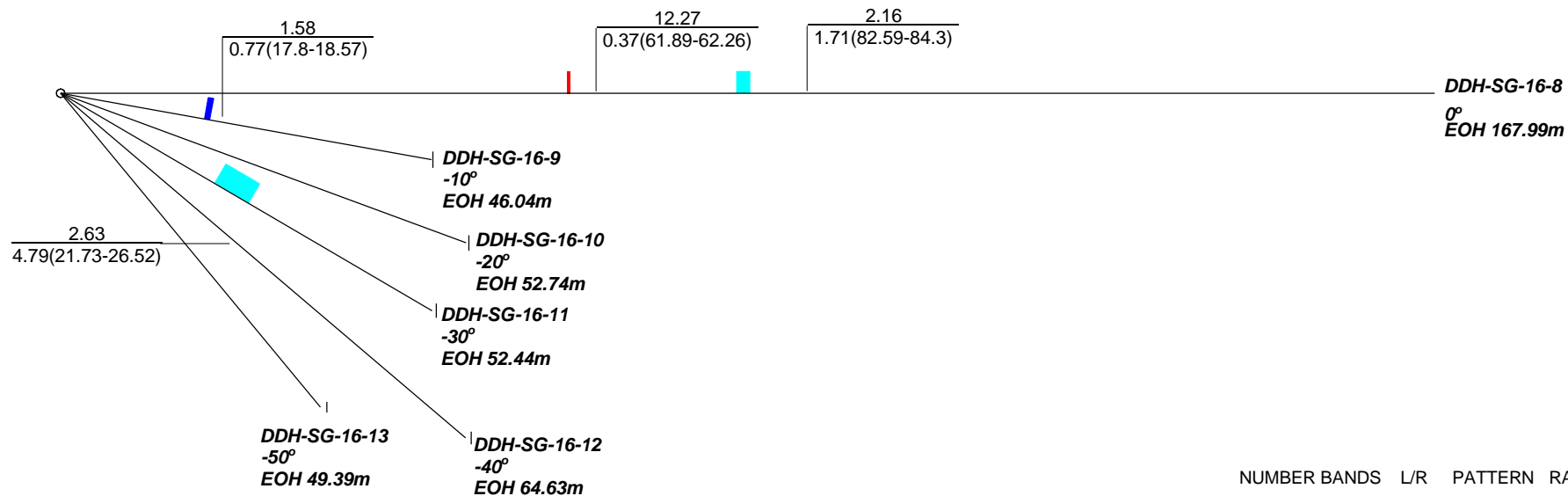
Map Showing Assay Section
DDH-SG-16-6-7

NTS: 104B/8E

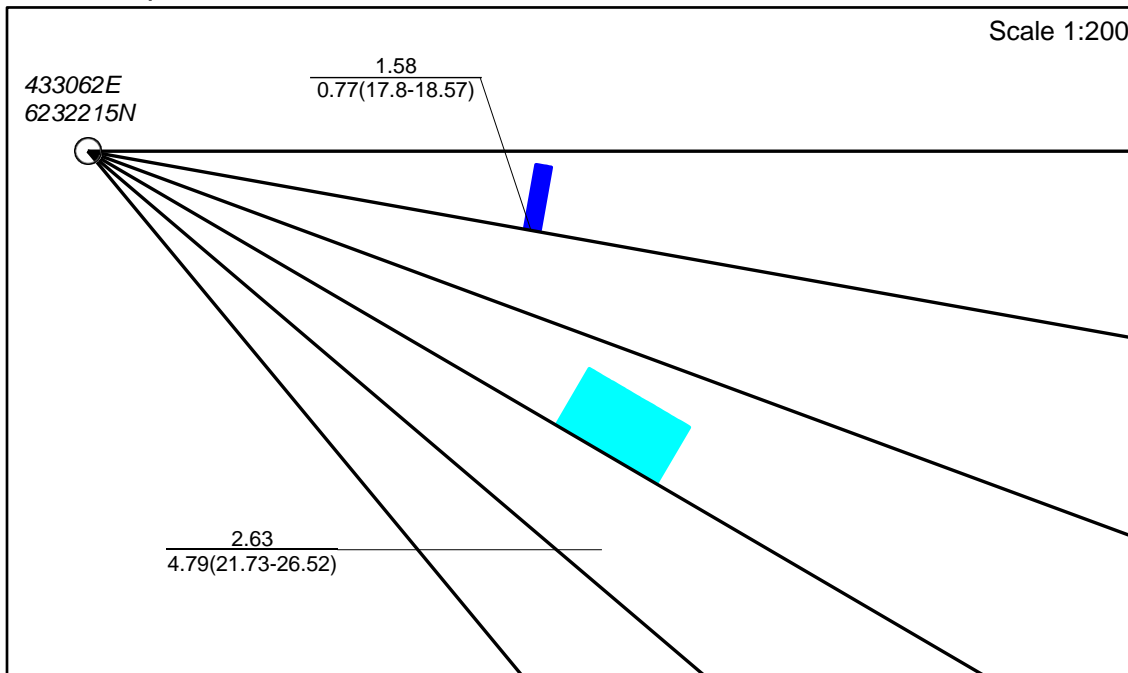
SCALE: 1:500

DATE: March, 2017

FIGURE: 18



Detail Map



ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
Map Showing Assay Section	
DDH-SG-16-8-13	
NTS: 104B/8E	SCALE: 1:800
DATE: March, 2017	FIGURE: 19

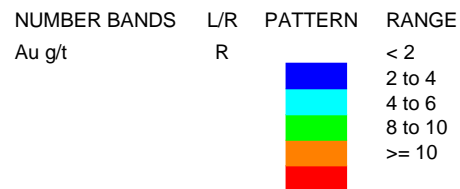
433099E
6232219N

14.54
0.39(66.77-67.16)

DDH-SG-16-14
-10°
EOH 134.76m

1.45
0.31(108.84-109.15)

DDH-SG-16-15
-20°
EOH 153.05m



ROTATION MINERALS LIMITED	
SCOTTIE GOLD MINE PROPERTY	
SKEENA MINING DIVISION	
Map Showing Assay Section DDH-SG-16-14-15	
NTS: 104B/8E	SCALE: 1:800
DATE: March, 2017	FIGURE: 20

433099E
6232219N


1.99
1.06(76.68-77.74)

1.38
1.52(83.08-84.6)

DDH-SG-16-16
-0°
EOH 92.38m

DDH-SG-16-17
-20°
EOH 116.77m

DDH-SG-16-21
-30°
EOH 154.57m

NUMBER BANDS	L/R	PATTERN	RANGE
Au g/t	R		< 2
			2 to 4
			4 to 6
			8 to 10
			>= 10

ROTATION MINERALS LIMITED

SCOTTIE GOLD MINE PROPERTY

SKEENA MINING DIVISION

Map Showing Assay Section
DDH-SG-16-16-17,21

NTS: 104B/8E

SCALE: 1:800

DATE: March, 2017

FIGURE: 21