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REPORT ON A DIAMOND DRILLING PROGRAM
AT THE REED-ROBINSON CLAIM GROUP

EBY AND OTTO TOWNSHIPS

LARDER LAKE MINING DIVISION, ONTARIO

NTS Sheet 042A01

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Summary

A core drilling program was undertaken at the Reed-Robinson claim group between November 14 and 27, 2022. Laframboise Drilling Inc. of Earlton, ON, was contracted to perform the drilling at the request of Canada Silver Cobalt Works (CSCW, “the Company”). Diversified Forestry Inc. of Timmins, ON, was contracted in advance of the drilling program to cut access trails into the drill sites.

One hole, EO-22-004, was drilled over a period of 12 days of drilling. All core was oriented using the Reflex ACT III and holes were surveyed to track deviation using a Reflex Gyro. All work was performed in UTM NAD 83 Zone 17 coordinates. Quick logs were performed upon receiving the core at the Company’s core shack (generally the day after drilling), and full logs were completed between November 17 and 29, 2022.

The purpose of this hole was to test several targets. The first was to determine whether the Cadillac-Larder Lake Deformation Zone, which is associated with vein-hosted gold mineralization, dips south under the Reed-Robinson property and to investigate whether the CLLDZ itself or any related hanging wall splays are mineralized. Secondary targets were to follow up on a gold-bearing quartz vein to the north, test three lineaments identified in historic mapping and interpreted as faults, and test a max-min conductor identified in an historic survey. Thirdly, to test for base metal / critical metal potential with elements such as Ni, Cu, Co, and other elements in the various mafic to ultramafic units.

Hole EO-22-004 was drilled to a depth of 969 m. The Cadillac-Larder Lake Deformation Zone was not intersected in this hole. Several strongly graphitic fault zones were intersected in the hole, and these zones are sufficient to explain historic max-min conductors. In addition, several zones of moderate to strong sericite-chlorite-quartz+/-albite+/-fuchsite hosting fine grained pyrite and abundant quartz veining were intersected in the hole. In addition, some mafic to ultramafic intrusions contained elevated sulphides. Assay results were pending from the lab at the time of writing. Therefore, at the time of writing, the authors recommend that no further drilling be performed to test these targets.

Property Location, Description, and Access

The Reed-Robinson claim group is part of the larger Eby-Otto property consolidated by Canada Silver Cobalt Works (CSCW, "the Company") through several option agreements, as reported in a news release announced on February 14, 2022 (https://www.canadasilvercobaltworks.com/news/gold-property-consolidated-near-agnico-eagles-macassa-mine/).

The Reed-Robinson option agreement is comprised of 10 single and boundary cell claims and 3 leases optioned from four separate claim holders. The claims and leases are currently held by Canada Silver Cobalt Works under an option agreement with prospectors James Reed, Emmy Reed, Douglas Raymond Robinson, and Betty (Elizabeth) Robinson executed on July 28, 2021. The location of the Property is shown in Figures 1 and 2, and the details of the claims are listed in Table 1. The agreement allows for Canada Silver Cobalt Works to acquire a 100% interest over a five year period through a combination of share issuances, cash payments, and work expenditures. The work described in this report partially fulfills the first year of work expenditure requirements.

The Reed-Robinson claims lie between 1.5 and 4.5 km east-southeast of the community of Kenogami Lake and approximately 10 km southwest of the Town of Kirkland Lake in northeastern Eby Township (and partly in Otto Township) in Northeastern Ontario. Access to the property is via Highway 11 to Highway 66 East, and then turning south onto Metering Road and entering the property through a privately owned driveway. The Company has cut a new trail into the property to access the drill site with heavy equipment. The property is bounded to the west by a natural gas pipeline and a hydroelectric powerline crosses the east side of the property.

The reported drill hole was drilled entirely in Eby Township on Lot 2 Concession 6 (southwest corner), 1.5 km east of Highway 11, at 562168 mE, 5326541 mN (UTM NAD 83, Zone 17). The hole was collared on claim 192312 (provincial cell 42A01G374) and drilled into claim 327167 (provincial cell 42A01G354). These claims are highlighted in yellow in Table 1. The claims correspond to Legacy Claim L1186975.

Access to the planned drill site was difficult as the terrain here is a mosaic of densely forested, roughly parallel east-west trending outcrop ridges with wet and swampy troughs between them that are often very wet.

Permits

The permit issued for this program of mechanized diamond drilling (assembled weight >150 kg) is permit number PR-22-000052, issued on May 11, 2022.

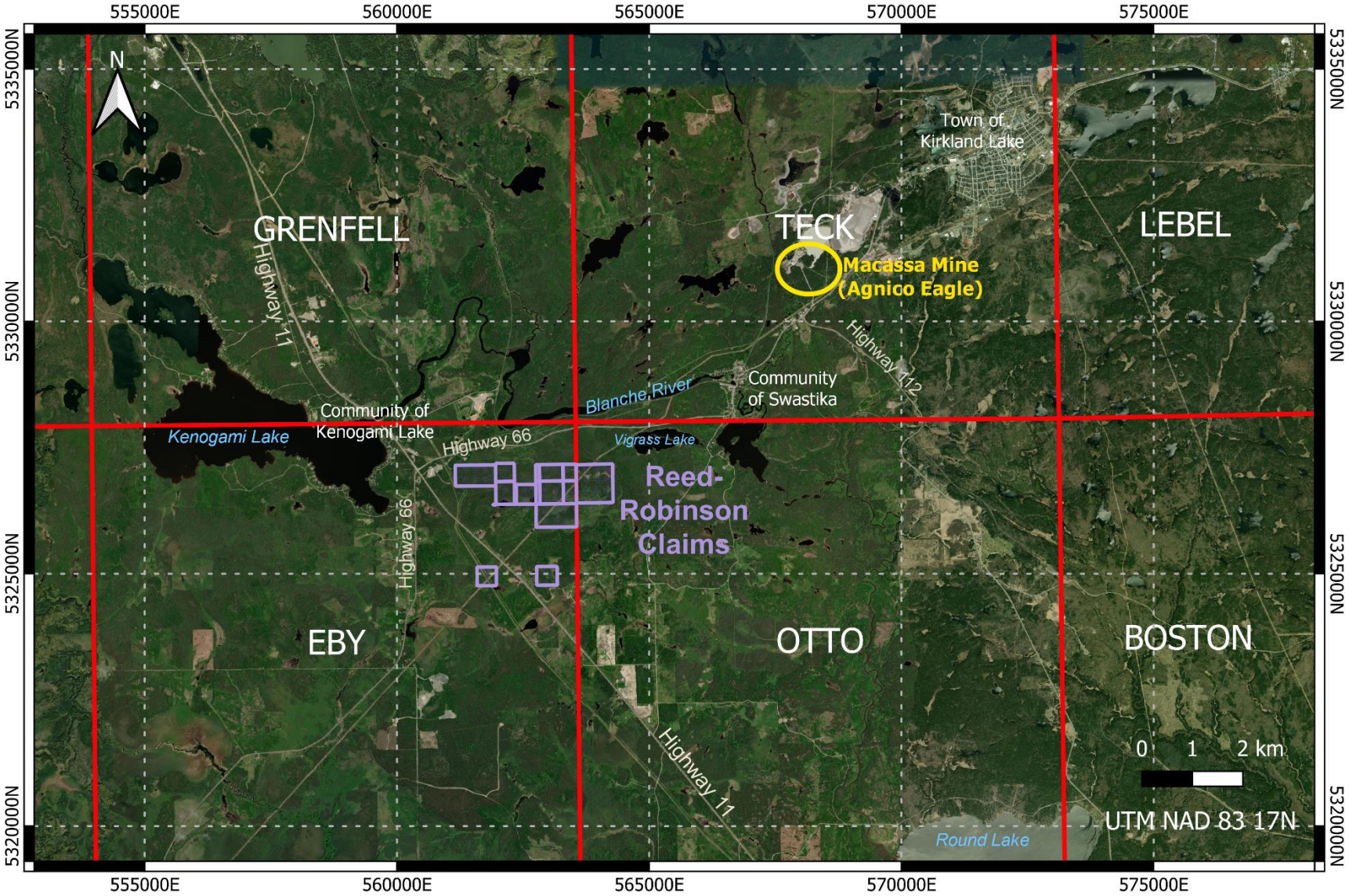


Figure 1. Regional property location map. Purple outline bounds the Reed-Robinson claims. Township boundaries in red.

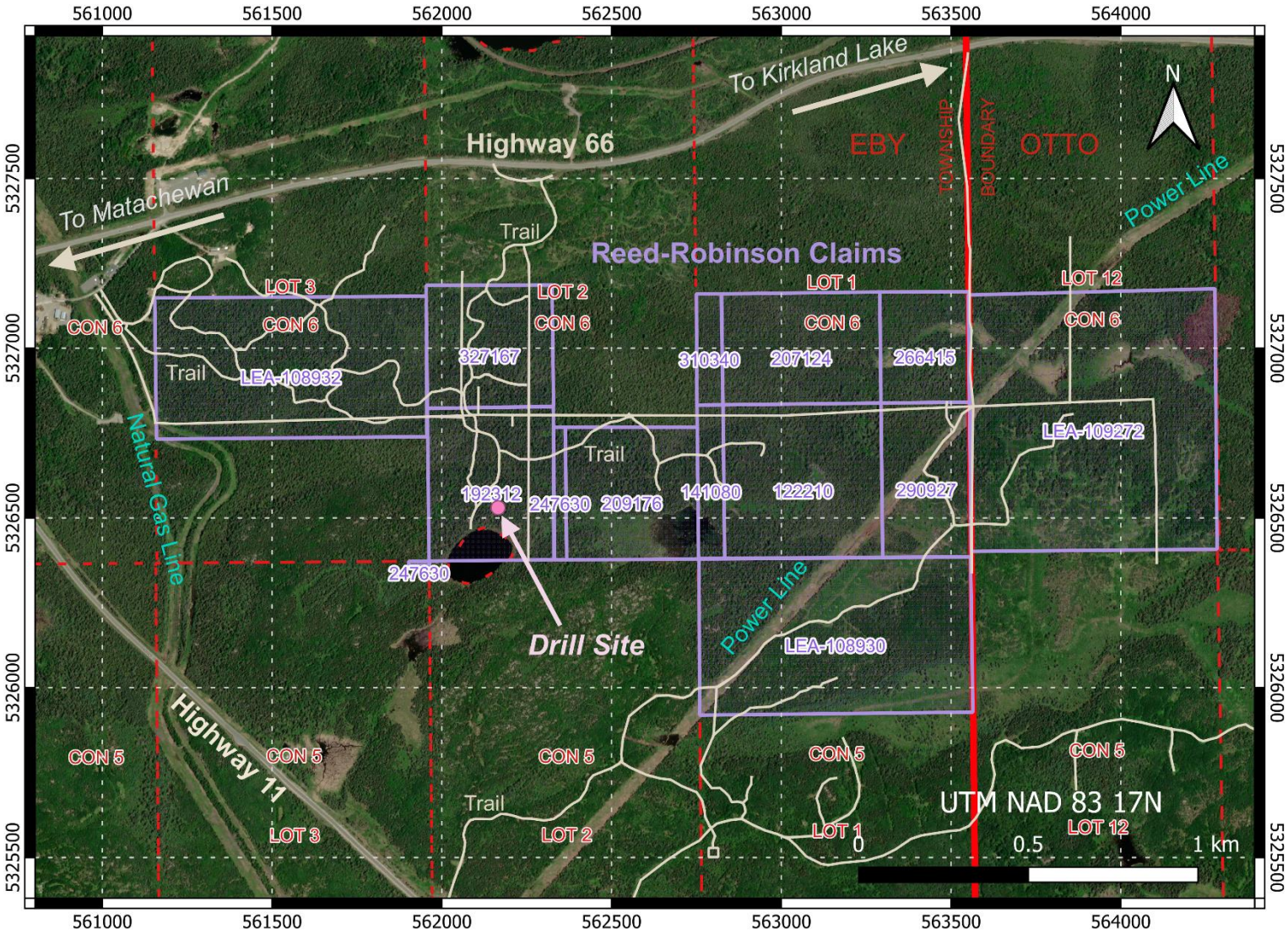


Figure 2. Reed-Robinson option agreement claims, with location of the drill site. Boundary cell claims are clipped to extents of legacy claim boundaries.

Table 1. Details of claims included in Option Agreement. The claims highlighted in yellow are those claims on which core drilling work was completed for this report.

Claim Number	Township	Claim Title Type	Anniversary Date	Claim Holder, the Optionor (percentage held)
192312	EBY	Boundary Cell Mining Claim	06-01-2027	DOUGLAS RAYMOND ROBINSON (100%)
327167	EBY	Single Cell Mining Claim	06-01-2027	DOUGLAS RAYMOND ROBINSON (100%)
122210	EBY	Single Cell Mining Claim	12-01-2027	EMMY L REED (100%)
141080	EBY	Boundary Cell Mining Claim	12-01-2027	EMMY L REED (100%)
207124	EBY	Boundary Cell Mining Claim	12-01-2027	EMMY L REED (100%)
209176	EBY	Boundary Cell Mining Claim	08-02-2028	BETTY (ELIZABETH) ROBINSON (100%)
247630	EBY	Boundary Cell Mining Claim	08-02-2028	BETTY (ELIZABETH) ROBINSON (100%)
266415	EBY	Boundary Cell Mining Claim	12-01-2027	EMMY L REED (100%)
290927	EBY	Single Cell Mining Claim	12-01-2027	EMMY L REED (100%)
310340	EBY	Boundary Cell Mining Claim	12-01-2027	EMMY L REED (100%)
108930	EBY	Lease	30-11-2032	JAMES AND EMMY L. REED (100%)
108932	EBY	Lease	30-11-2032	JAMES AND EMMY L. REED (100%)
109272	OTTO	Lease	30-05-2033	JAMES AND EMMY L. REED (100%)

Previous Work

Various Ontario government geological agencies have performed geological mapping and geophysical surveying of the Reed-Robinson claims area since the first mapping survey of Eby Township in 1914. Generally these surveys are included as an extension of the Kirkland Lake, Matachewan, or Kenogami Lake areas, and have only occasionally focused on Eby Township. A summary of maps and reports produced by government agencies is presented in Table 2.

Table 2. Summary of government agency maps and reports across the Reed-Robinson claims.

Title	Map Number	Authors	Year	Map Scale	Government Agency
Townships of Maisonville, Grenfell and Eby, District of Timiskaming	ARM 23B	R.M. Smith, R.W. Young, P.E. Hopkins & A.G. Burrows	1914	1:47,520	Ontario Department of Lands, Forests, and Mines
Matachewan-Kenogami area, District of Timiskaming, Ontario	ARM 44B	W.S. Dyer and G.H. Charlewood	1935	1:63,360	Province of Ontario Department of Mines
Eby Township, District of Timiskaming	P0448	H.L. Lovell	1968	1:15,840	Province of Ontario Department of Mines
Eby-Otto area, Timiskaming District	M2239	H.L. Lovell	1972	1:31,680	Department of Mines and Northern Affairs
Geology of the Eby and Otto Area, District of Timiskaming	GR 99	H.L. Lovell	1972	NA	Department of Mines and Northern Affairs
Airborne Electromagnetic and Total Intensity Maqnetic Survey, Kirkland Lake Area, Eby Township, District of Timiskaming	P2268	Questor Surveys Ltd	1979	1:20,000	Ontario Geological Survey
Ontario Airborne Geophysical Surveys, Magnetic and Electromagnetic Data, Grid and Profile Data, ASCII and Geosoft Formats, Kirkland Lake Area	GDS1022	Ontario Geological Survey	2003	NA	Ontario Geological Survey
Precambrian Geology of Otto and Eby Townships	P3534	L. Pigeon and B.R. Berger	2004	1:20,000	Ontario Geological Survey
Precambrian Geology, Highway 66 Area, Swastika to Matachewan	2677	B.R. Berger, L. Pigeon, & G. Leblanc	2006	1:50,000	Ontario Geological Survey
Geological Synthesis Along Highway 66 from Matachewan to Swastika	OFR 6177	B.R. Berger	2006		Ontario Geological Survey

Various prospectors and exploration groups have completed historic assessment reports, and associated field work, across the Reed-Robinson claims from the 1970s to present. A summary of historic assessment work is presented in Table 3. The first work filed on/ in the vicinity of the claim package was Essex Minerals Co in 1977 who surveyed the area with electromagnetic and magnetics ground surveys as well as preliminary geologic mapping. Three years later in the 1980, two instances of Diamond Drilling were reported. These programs were for Noranda Exploration Company LTD, and James D Reed who respectively drilled: three ~125m holes, and one 93m hole. Noranda Exploration's drill logs mostly logged andesite, tuff, mafic intrusive rocks, syenite dikes and graphitic sediments that this author interprets as graphitic fault zones. Assays reported in the log did not have Au values above 0.005 Oz. Throughout the 80's James D Reed continued work and file assessment reports on the Eastern half of the greater Reed-Robinson claim package. Radiometric and VLF electromagnetic geophysical ground surveys in addition to overburden stripping were completed in 1982. In 1984 James D Reed drilled 6 shallow holes the subsurface under a bog, in hopes of finding commercial gold values near surface. These holes reached maximum depths of 35m, and no significant gold values were found. Also in 1984, James D Reed completed geologic surveying and mapping to compliment and follow up on the drilling program. The next work reported in the claim package is in 1995 when Reed, Reed, Reed, and Reed conducted a large field season over claims 310340, 207124, 266415, 141080, 122210, 290927 and lease 109272. The work is summarized as line cutting, detailed mapping and hand stripping with emphasis on alteration and structural lineaments, max-min EM survey and a total field-magnetic gradient survey. Several geophysical anomalies were located, and it was recommended that more lines be cut and that higher resolution ground surveys be conducted. In 1995, over the same lease and claims, James D Reed completed a portion of the 1994 recommendations. Similar recommendations were made in 1995 as in 1994, indicating that additional line cuts and ground surveys should continue to be added to the property. Also, in 1995 Doug Robinson completed detailed geologic mapping with an emphasis on alteration and structural lineations, line cutting, overburden stripping, and various geophysical ground surveys over the western claims of the greater Reed-Robinson claim group, specifically claims 327167, 192312, 247630, and 209176. From 1997 to 1998, J E Tisley & Associates, in conjunction with Nastek Exploration LTD optioned the claims from Reed and Robinson. During this time, they completed a similar suite of work over the claim package in furtherance of the recommendations from 1994 and 1995. Assessment worthy work over the claim package ceased for over a decade until 2011 when Robinson, Robinson, and Reed returned for several field seasons to recut lines, perform magnetic surveys, and collect samples for assay. In 2018 aboriginal consultation and a mobile metal ion survey was completed on claims 327167, 192312, 247630, and 209176 that produced mixed results. In 2020 Eric Marion completed physical work over the Northeast portion of lease 109272. This work included the manual stripping, outcrop clearing and mapping of one outcrop that contained a heavily altered deformation zone with up to 10% pyrite in some zones.

Table 3. List of reported previous work on the Reed-Robinson Claims.

Year	Author	Type of Work	Assessment File Number
1977	ESSEX MINERALS CO	Electromagnetic, Geologic Survey/Mapping, Magnetic and Magnetometer Survey	41P14NE0080
1980	JAMES D REED	Diamond Drilling	42A01SE0152
1980	NORANDA EXPLORATION CO	Diamond Drilling	42A01SE0146
1982	JAMES D REED	Miscellaneous, Radiometric, Very Low Frequency Electromagnetics	42A01SE0139
1982	JAMES D REED	Miscellaneous Compilation and Interpretation, Radiometric Survey	42A01SE0134
1983	JAMES D REED	Overburden Stripping	42A01SE0122
1984	JAMES D REED	Assaying and Analyses, Overburden Stripping	42A01SE0196
1984	JAMES D REED	Geologic Survey/Mapping	42A01SE0128
1990	BATTLE MOUNTAIN CANADA LTD	Airborne Very Low Frequency Electromagnetics, Airborne Gradiometer, Airborne Magnetometer	42A01SE0002
1995	C E REED, E L REED, JAMES D REED, AND N E REED	Assaying and Analyses, Electromagnetic, Geologic Survey/Mapping, Gradiometric, Magnetic and Magnetometer Survey, Manual Labour Mechanical, Open Cutting	42A01SE0088
1995	JAMES D REED	Electromagnetic Ground Survey, Line Cutting, open Cutting	42A01SE0028
1995	DOUG ROBINSON	Compilation and Interpretation - Geology, Electromagnetic Survey, Geochemical, Geologic Survey/Mapping, Magnetic/Magnetometer Survey, Open Cutting, Overburden Stripping	42A01SE0085
1997	J E TISLEY & ASSOCIATED LTD, NASTEK EXPL LTD	Compilation and Interpretation – Max-Min Electromagnetics and Radiometric Ground Survey, Digging Pits, Geologic Survey/Mapping	42A01SE2010
1998	NASTEK EXPL LTD	Compilation and Interpretation - Geology, Electromagnetic, Magnetic/Magnetometer Survey, Open Cutting	42A01SE2006
1998	NASTEK EXPL LTD	Compilation and Interpretation – Magnetic and Electromagnetic Survey, Geologic Survey/Mapping, Open Cutting	42A01SE2007

Year	Author	Type of Work	Assessment File Number
2011	BETTY ROBINSON, DOUGLAS RAYMOND ROBINSON, JAMES D REED	Line cutting, Magnetic/Magnetometer Survey	20000006072
2013	BETTY ROBINSON, DOUGLAS RAYMOND ROBINSON, JAMES D REED	Geochemical, Line Cutting	20000008656
2018	BETTY ROBINSON, DOUGLAS ROBINSON, JAMES D REED	Aboriginal Consultation, Mobile Metal Ion Survey	20000015637
2020	ERIC MARION	Bedrock Trenching, Digging Pits, Overburden Stripping	20000018161

Regional Geology

The Neoarchean Abitibi Greenstone Belt is composed of a series of stacked assemblages (or sub-terranes) comprised predominantly of supracrustal volcanic, associated intrusive, and related interflow sedimentary rocks in the south-central region of the Superior Province, spanning across Ontario and Quebec. The assemblages are stitched together by major structural deformation zones, such as the Cadillac-Larder Lake Deformation Zone (CLLDZ) and the Porcupine Deformation Zone (PDZ), which parallel each other west to east across the belt, and record a history of orogenesis. Granitoid plutons associated with orogenesis intrude every lithology (Monecke et al., 2017).

The trend stretching from Matachewan, ON, to Val-d'Or, QC, known as the Kirkland Lake-Larder Lake Gold Belt, is marked by its association with the Cadillac-Larder Lake Deformation Zone (CLLDZ), a steeply dipping zone of deformation marked by intense and multiply-reactivated structures and hydrothermal carbonate alteration which hints at a long and complex structural history. Several major gold deposits occur along or proximal to the CLLDZ (or second order splays of the CLLDZ), including the Young-Davidson deposit (Matachewan, ON; currently operated by Alamos Gold), the Kirkland Lake deposit (Kirkland Lake, ON; the Macassa Mine is the only remaining operating mine of the Kirkland Lake Deposit, and is currently operated by Agnico Eagle Mines), the Kerr-Addison deposit (Virginiatown, ON; not currently operating), and the Canadian Malartic deposit (Val-d'Or, QC; operated by Agnico Eagle Mines and Yamana Gold Mines).

In the Kirkland Lake area, the Kirkland Lake-Larder Lake Gold Belt can be divided into three east-west bands of rocks, or assemblages: northern, central, and southern (Ispolatov et al., 2008). The northern assemblage is predominantly composed of Archean submarine volcanic, mafic intrusive, and related interflow sedimentary rocks of the Blake River Assemblage (2704-2696 Ma). The northern assemblage is separated from the central assemblage by a conformable contact. The central assemblage is comprised of sub-marine to sub-aerial volcanic rocks such as trachytes and tuffs, related syenitic intrusions, and associated orogenic and fluvial greywackes and conglomerates of the Temiskaming Assemblage (2676-2670 Ma). The central assemblage is separated from the southern assemblage by the CLLDZ, and is footwall to the southern assemblage. The southern assemblage is comprised of sub-marine mafic to ultramafic volcanic and related intrusive rocks and interflow sedimentary rocks of the Tisdale Assemblage (A.K.A. Larder Lake Group; 2710-2707 Ma) (Ispolatov et al., 2008). Several east-west to northeast-southwest faults occur within the southern assemblage and are possibly hanging wall splays of the CLLDZ. The most significant of these faults is the Eby-Otto fault, which occurs about 1 km south of the Reed-Robinson claims and strikes approximately 070 and dips south (Lovell, 1972).

The Round Lake Batholith and smaller Otto stock are large Archean-aged granitic to dioritic intrusive bodies, occurring to the east and south-east of the property. Several major

north-northwest striking late faults related to the Temiskaming Rift Valley cut across and offset these assemblages and well as the CLLDZ, the Main Break, the '04 Break, and the Amalgamated Break. The most significant of these faults is the Amikougami Creek Fault to the west of the Macassa Mine in the community of Swastika, which offsets the breaks several hundred meters in the sinistral direction (west side south).

The Kirkland Lake deposit and related South Mine Complex (in operation at the Macassa Mine in Kirkland Lake) are entirely hosted within rocks of the Temiskaming assemblage. The Kirkland Lake deposit itself is hosted along the near-vertical south-dipping Kirkland Lake Main Break and the '04 Break (and related structures and splays) to the north, while the South Mine Complex is bound between the Main and '04 Breaks and the near-vertical north-dipping Amalgamated Break to the south (Ispolatov et al., 2008).

The Vigrass Lake gold occurrence (property held by Agnico Eagle), located approximately 5.2 km to the northeast of the claims drilled in this report, is the closest known gold occurrence in the Eby-Otto township area, structurally and stratigraphically. The Vigrass Lake occurrence is hosted within mafic to ultramafic volcanic rocks with interbedded graphitic and pyritic interflow sedimentary rocks intruded by syenite porphyry and lamprophyre dykes (Benham, 1994). Mineralization occurs as finely disseminated sulphides and stockworks of quartz veins within a series of subparallel faults and strongly altered (carbonated and silicified) shear zones. These structures mark the contacts between the predominantly komatiitic and basaltic assemblages. A complex zone of shearing and alteration located south of and along the south shore of Vigrass Lake is known as the Vigrass Lake Fault (Benham, 1994).

The mineral deposit style CSCW is targeting in this drill program is the vein-hosted and breccia-hosted gold mineralization associated with the CLLDZ and second order structures comparable to the mineralized zones observed at the Vigrass Lake occurrence.

Property Geology

According to OGS Map 2239 of Eby and Otto townships (Lovell, 1972), there are three lithologies mapped at surface across the claim group. The Reed-Robinson claims are almost entirely underlain by a large egg-shaped multi-phase mafic intrusion (gabbro to diorite in composition) known colloquially as the "Blue Blob" intrusion. The unit is contemporaneous with mafic volcanic rocks (pillowed basalts, variolitic basalts, volcanic breccias and tuffs) of the Tisdale Assemblage (A.K.A. Larder Lake Group)(Berger and Pigeon, 2004; Lovell, 1972). At surface the gabbroic body is ~2.5km long from east to west and ~1.5km wide from north to south.

Surrounding the intrusive body are low-grade metamorphosed (greenschist facies) mafic volcanics and sediments of the Tisdale Assemblage (A.K.A. Larder Lake Group), specifically basalt. These lithologies are only exposed at surface at the east end of the

property (claim 266415, LEA-109272, and LEA-108930). A small North-South striking diabase is mapped near the south-eastern corner of the gabbroic intrusion and may be present along the border of the southern-most extents of the lease LEA-108930.

A few syenite porphyry and feldspar porphyry dykes occur north and south of the Reed-Robinson claims (Lovell, 1972), though none have been mapped within the property boundaries.

The southern lithological contact of the gabbroic intrusion and the mafic volcanics is interpreted to be cut by an extension of the Eby-Otto fault that may also intersect the southeastern corners of leases LEA-109272 and LEA-108930.

Additionally, there is a NE-SW striking accommodation fault originating from the CLLDZ and terminating in the gabbroic intrusion. The accommodating fault will run under the northern extent of lease LEA-108932 and terminate within the same lease. Previous geologic mapping by claim holder Doug Robinson identified 4 lineaments interpreted as possible fault structures in lease LEA-1089322 as well.

In the area of the claims drilled in this program, outcrop exposure is fairly good (~10% outcrop exposure). The property terrain here is a mosaic of densely forested, roughly parallel east-west trending outcrop ridges with wet and swampy troughs between them that are often very wet and swampy.

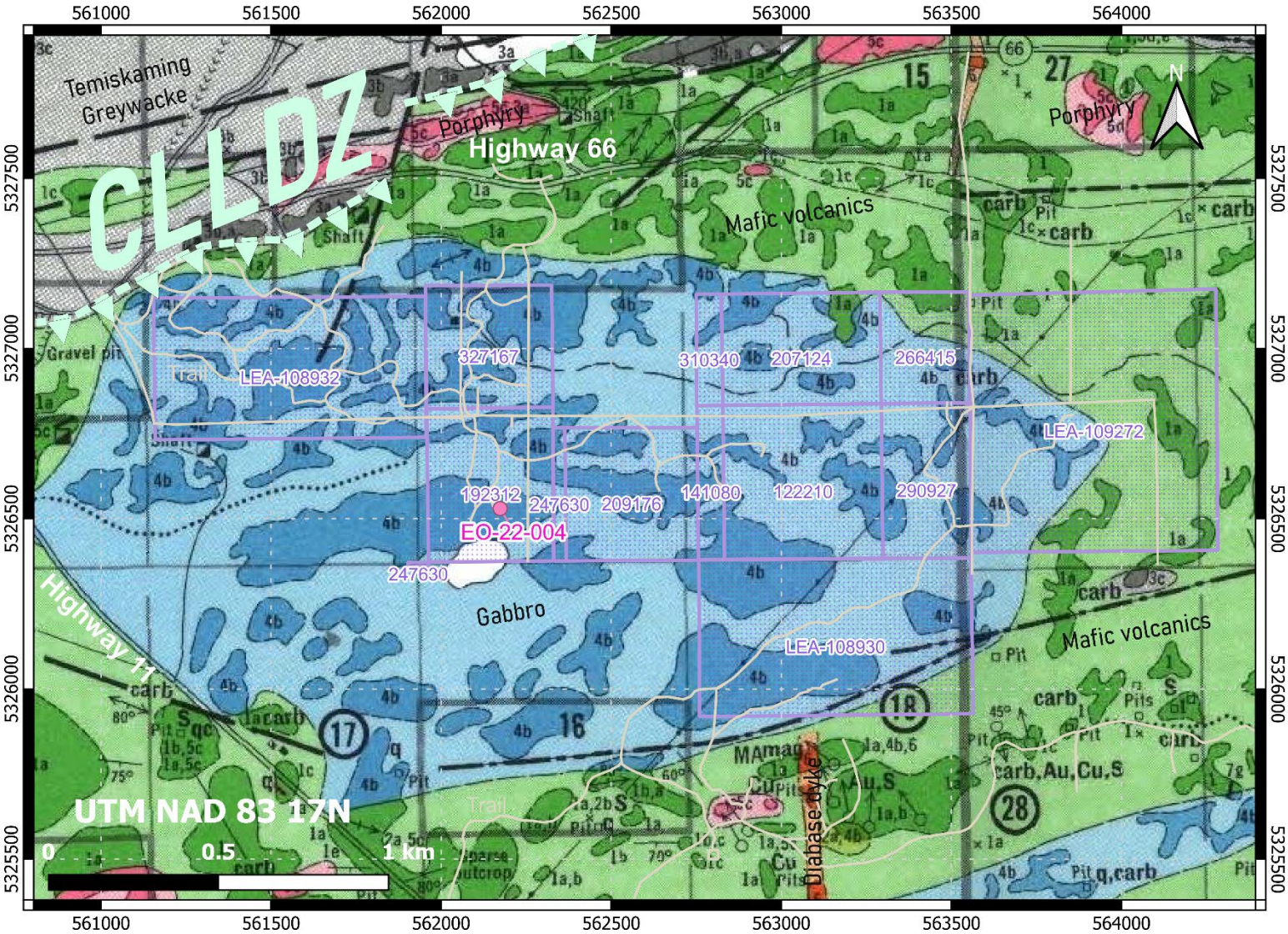


Figure 3. Map of property geology in the area of drilling showing drill collar location, drill access trail, and claim boundaries. Embedded geology map from Lovell (1972).

October-November 2022 Core Drilling Program

A core drilling program was undertaken at the Reed-Robinson claims between November 14 and 27, 2022. All work was planned and performed in UTM NAD 83 Zone 17 coordinates. The holes in the program were planned, tracked, and digitized using Leapfrog Geo 3D modelling software, including preparing the plan map and drillhole sections (Appendix).

Laframboise Drilling Inc. of Earlton, ON, was contracted to perform the drilling at the request of Canada Silver Cobalt Works (CSCW, “the Company”). Diversified Forestry Inc. of Timmins, ON, was contracted in advance of the drilling program to cut access trails into the drill sites. The total drill meterage for this report was 969m.

The purpose of this program was to test several structural and geophysical targets identified as having the potential for vein-hosted and breccia-hosted gold mineralization associated with secondary order structures related to the Cadillac-Larder Lake Deformation Zone. The purpose of this hole was to test whether the Cadillac-Larder Lake Deformation Zone, which is associated with vein-hosted gold mineralization, dips south under the Reed-Robinson property and to investigate whether the CLLDZ itself or any related hanging wall splays are mineralized. Additional or secondary targets included following up on a gold-bearing quartz vein to the north and testing three lineaments identified in historic mapping and interpreted as faults. It was also intended to test for base metal and critical metal potential with elements such as Ni, Cu, Co, and other elements in the various mafic to ultramafic units, to determine the potential for these important elements on the property.

Drilling Parameters

One hole drilled to 969 m was drilled over the course of 12 days. The drill hole location and bearing were spotted in the field by the Company’s senior geologist and the planned location of each hole was marked using a hand-held GPS (Garmin 64sx) and picket. The drill was moved to the picketed location and lined up on azimuth and dip using a Reflex TN-14 (oriented relative to true north). Core was drilled using NQ rods. Core was transported to the core shack in standard wooden core boxes. All core was oriented at the drill by the drillers using the Reflex ACT III orientation tool and holes were surveyed during drilling to track hole deviation using a Reflex Sprint Gyro in single shot mode. A continuous survey was completed for the hole at the completion of drilling (end of hole) using the Reflex Sprint Gyro in continuous mode. Upon completion of surveying, drill rods were removed but casing was left in. The drill was then moved off the casing and drill pad so that a casing cap and casing flag could be installed. A hand-held GPS (Garmin 64sx) was used to record the location of the drill hole collar using waypoint averaging (minimum 5 points). All GPS coordinates were recorded and reported in UTM NAD83 Zone 17. See figure 4 for a map of

the drill site location within the Reed-Robinson claims and Table 3 for the details of the hole drilled in the program.

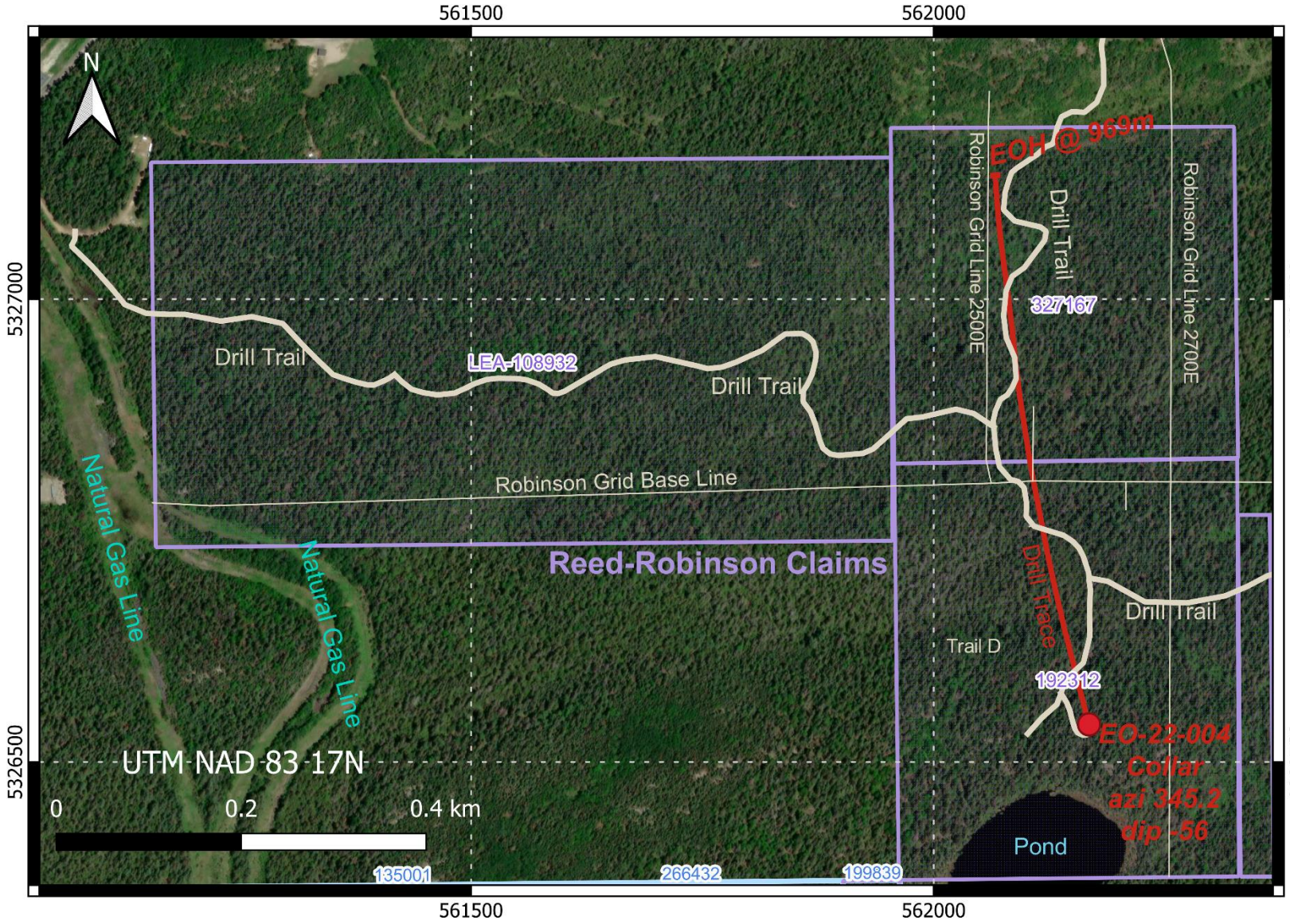


Figure 4. Location map of the drill hole collars on the Reed-Robinson claims, with site access trail and claim fabric.

Table 4. Summary of drill hole EO-22-004 details.

Claim Number (Collar)	Collar Location (UTM NAD83 Zone 17)			TN-14 Azimuth	TN-14 Dip	Length Drilled (m)	Drilling Started	Drilling Complete	Geotech Complete	Logging Complete
	Easting	Northing	Elevation (m a.s.l.)							
192312	562167.9	5326540.6	333	345.2	-56	969	11/16/2022	11/27/2022	11/29/2022	11/29/2022

Geo-teching and Logging Parameters

Quick logs of the core were completed upon receiving the core at the Company's core shack in Coleman, ON (generally the day after drilling), and full description logs were completed between November 17 and 29, 2022.

The hole was geo-teched so that meter marks, rock quality designation (RQD), total core recovery (TCR), magnetic susceptibility, and specific gravity measurements were recorded directly on the core and in the drill hole log datasheets (see Appendices). Orientation lines were drawn from the orientation marks made by the drillers, recording the run-over-run consistency (RORC) to maintain data quality and control (QA-QC). Only orientation lines with a RORC within +/- 10° were drawn so that geological structures in the core could be measured using the Reflex IQLogger.

The hole was logged by a junior geologist with the Company, under the supervision of a professional geologist (PGeo.). Descriptions and depths of the lithology, alteration, veins, sulphide content, and structures were recorded in Geotic Log. Where orientation lines could be drawn, oriented structural measurements were recorded using the Reflex IQ Logger. See appendices for drill core logs and IQ Logger oriented structural measurement logs.

Samples were chosen, marked out, and recorded by the logging geologist in consultation with the senior geologist and VP Exploration. A total of 326 samples were taken. Additionally, certified reference material (CRM, "standards") pulp samples and blank samples (marble gravel) were inserted into the sample sequence for quality assurance and quality control checks. Core samples were cut using a pneumatic core saw, bagged, and sent by Manitoulin Transport to Activation Laboratories in Timmins, ON, for analysis (ICP-MS atomic absorption for multi-element, and fire assay for gold); results are pending at the time of writing.

The drill log and IQ Logger measured structures were digitized and imported to Leapfrog Geo for 3D modelling, geological interpretation, and generating plan maps and section views.

All core drilled in this program is stored in racks in a secure facility at the Company's core shack and field office in Coleman, ON.

EO-22-004 Hole Targets, Observations, and Results

The drill program at the Reed-Robinson claims was carried out in order to test several structural targets identified in geological mapping and max-min surveys performed by Douglas Robinson between 1994 and present (D. Robinson, pers. comm., 14-27 July, 2022 & September 2022), as well as MMI targets (Robinson, 2013; Robinson 2018). Mr. Robinson's programs identified a series of east-northeast and southeast striking lineaments

with minor iron carbonate alteration and occasionally minor quartz veining. Mr. Robinson recommended several drill targets that he identified during the program and from geological interpretation, but no drilling was conducted at the time. The hole drilled in this reported program was planned in consultation with Mr. Robinson and modified somewhat to include additional targets and accommodate current claim boundaries.

Hole EO-22-004 was planned to drill test the following targets:

(1) testing two east-northeast lineaments and one southeast striking lineament identified in historic mapping, and interpreted as a Riedel structure (estimated to be intersected at about 300 m in the hole and 400 m);
(2) testing a multi-line max-min conductor identified in historic surveying and associated with the northern-most east-northeast lineament (estimated to be intersected at 560-600 m in the hole);
(3) following up on a gold-bearing quartz vein discovered in outcrop channel sampling to the north (on grid line 2700E near the northern property boundary (estimated to be intersected at 800-850 m in the hole);
(4) to investigate whether the Cadillac-Larder Lake Deformation Zone dips south under the Reed-Robinson property and to investigate whether the CLLDZ itself or any related hanging wall splays are mineralized (estimated to be intersected at 900-950 m in the hole).

Hole EO-22-004 was collared on claim 192312 at 562168.0 mE, 5326540.7 mN (UTM NAD83 Zone 17 coordinates). The planned azimuth was 345° (planned dip -56°). The hole was collared and drilled 1.31 m of overburden and set casing in mafic intrusive (gabbro). Reflex Gyro single shot surveys were taken at 12 m depth and then every 30m after in the hole. Upon completion of drilling, the hole was surveyed with the Reflex Gyro in Continuous Sprint mode.

A summary of lithologies and major features is as follows:

Table 5. Summary log of hole EO-22-004.

Meterage		Lithology	Significant Intercepts	Target Description	Target Estimated Depth
FROM	TO				
0	1.31	Casing	Overburden		
1.31	35.22	Mafic Intrusive			
35.22	35.85	Dyke			
35.85	72	Mafic Intrusive			

Meterage FROM	Meterage TO	Lithology	Significant Intercepts	Target Description	Target Estimated Depth
72	157.16	Archean Gabbro	81.4-84.8: moderately strong shear at 40-50 degrees to core axis, with moderate quartz-sericite-albite-chlorite alteration, hosting minor fine-grained pyrite and quartz-carbonate veining.		
157.16	198.15	Archean Gabbro			
198.15	227.65	Mafic Intrusive			
227.65	232.5	Syenite			
232.5	284.5	Mafic Intrusive			
284.5	286.2	Fault Zone	Fault zone with strong graphite along fractures and slips. The fault zone is sheared and hosts later crackle/mosaic graphite breccia. About 25% pink-white quartz carbonate veining and minor fine to medium grained pyrite and sphalerite.	Lineament	275-325
286.2	289.8	Mafic Intrusive			
289.8	352.93	Mafic Intrusive	319.9-321 m: weak to moderate shearing and brecciation with weak to moderate albite bleaching, quartz-carbonate stringers, and trace disseminated fine-grained pyrite.		
352.93	371.05	Mafic Intrusive			
371.05	372.2	Fault Zone	Fault zone with intense graphitization throughout and along fractures and slips. The fault zone is sheared and hosts later crackle/mosaic graphite breccia. About 20% pink-white quartz carbonate veining and minor fine to medium grained stringer pyrite and sphalerite.		
372.2	389.35	Mafic Intrusive			

Meterage FROM	Meterage TO	Lithology	Significant Intercepts	Target Description	Target Estimated Depth
389.35	390.15	Fault Zone	Fault zone with strong graphite along fractures and slips. The fault zone is sheared and hosts later crackle/mosaic graphite breccia. About 25% pink-white quartz carbonate veining and minor fine to medium grained pyrite and sphalerite.	Lineament	380-420
390.15	411.85	Mafic Intrusive	396.0-399.7m: snotty yellow bleached moderate sericite-chlorite-quartz-albite alteration zone, weakly sheared, and hosting ~20% cloudy grey quartz veining and vein breccia. Veins host trace very fine pyrite. 399.7-408.9m: weak to moderately bleached (albite?) with chlorite-sericite stringers. 408.9-410.7 m: snotty yellow bleached moderate sericite-chlorite-quartz-albite alteration zone, weakly sheared, and hosting ~20% cloudy grey quartz veining and vein breccia. Veins host trace very fine pyrite.		
411.85	420.1	Lamprophyre			
420.1	460.2	Archean Gabbro			
460.2	461.45	Lamprophyre			
461.45	470.94	Archean Gabbro			
470.94	471.75	Fault Zone	Fault zone with weak to moderate graphite along fractures and slips. The fault zone is sheared and hosts later crackle/mosaic graphite breccia. About 25% pink-white quartz carbonate veining and minor fine to medium grained pyrite and sphalerite.		
471.75	475.75	Archean Gabbro			

Meterage FROM	Meterage TO	Lithology	Significant Intercepts	Target Description	Target Estimated Depth
475.75	476.75	Fault Zone	Fault zone with weak to moderate graphite along fractures and slips. The fault zone is sheared and hosts later crackle/mosaic graphite breccia. About 25% pink-white quartz carbonate veining and minor fine to medium grained pyrite and sphalerite.		
476.75	485.55	Archean Gabbro			
485.55	588.65	Mafic Intrusive			
588.65	595.75	Archean Gabbro	582.5-595.75m: 30% quartz-carbonate veining hosting trace fine grained pyrite at contact between gabbro and weakly talc-altered ultramafic volcanics. Possible explanation for max-min conductor.	Lineament with max-min conductor across all grid lines	560 - 600
595.75	635.4	Ultramafic			
635.4	654.8	Mafic Intrusive	643.7-644.6 m: 50 cm true width white quartz-carbonate vein hosting 5% fine grained pyrite, at 17 degrees to core axis.		
654.8	655.95	Dyke	Moderate to strongly altered dyke (lamprophyre or felsic dyke? Protolith difficult to discern), altered to beige-orange iron carbonate, sericite, and silicification, and hosting at least 4 distinct quartz and quartz-carbonate vein sets, some barren, some with up to 5% very fine-grained pyrite. 20% overall vein density.		
655.95	662	Mafic Intrusive			
662	678.95	Ultramafic			
678.95	713.85	Mafic Volcanic			
713.85	716.2	Lamprophyre			
716.2	745.8	Ultramafic			
745.8	774.4	Mafic Volcanic			
774.4	822.5	Mafic Intrusive			

Meterage FROM	Meterage TO	Lithology	Significant Intercepts	Target Description	Target Estimated Depth
822.5	824.35	Lamprophyre			
824.35	857.05	Mafic Intrusive			
857.05	894	Archean Gabbro	860.0-866.7 m: bleached, weakly to moderately albitized gabbro with minor quartz veining (hosts trace pyrite). Zone becomes increasingly sheared downhole. Lower contact with subsequent alteration zone is a fault contact. 866.7-868.2 m: strongly quartz veined and altered rubbly fault zone. Trace fine-grained pyrite. 868.2-870.5 m: sheared moderate to strongly sericite-chlorite-silica-fuchsite altered zone with trace to 1% very fine-grained pyrite, and hosting 10-15% quartz and quartz-carbonate veins (with minor fine grained pyrite). End of alteration zone is marked by a healed and cemented fault breccia and quartz vein.		
894	925.4	Archean Gabbro		LLCDZ	900 - ???
925.4	926.85	Lamprophyre			
926.85	969	Archean Gabbro	EOH @ 969 m. The CLLDZ was not intersected.		

A total of 326 samples were selected and cut for assay (gold and silver) and multi-element (including base metals) geochemistry. Assays are pending at the time of writing.

Recommendations

This hole did not intersect the CLLDZ, and there was no indication of CLLDZ-style hanging wall alteration or mineralization, indicating that the fault has a near vertical dip at depth in the Eby-Otto area. The core lacked any significant alteration that would generally be associated with gold-bearing structures typical of the CLLDZ.

Several graphitic fault zones were intersected in the core, which are sufficient to explain the conductors identified in historic max-min surveys performed by D. Robinson. These structures host minor pyrite and sphalerite, but not of sufficient quantity to be of economic interest.

The most interesting intervals observed in the core are the veined and sericite-chlorite-quartz+/-fuchsite altered intervals at 396.0-410.7 m and 860.0-870.5 m. These intervals are moderately mineralized with up to 5% fine-grained pyrite and up to 15% vein density.

At this time, assay results are pending, therefore no recommendations can be made regarding follow up work. For gold potential, recommendations on which alteration and/or structural zones worth follow-up are dependent on the results of the assays and whether there is anomalous gold mineralization or proxies such as geochemical evidence of hydrothermal fluids. For critical metal potential, the indicators can be more subtle; geological units that have elevated critical metals, or related elements, and can be used as proxies are entirely determined by the multi-element geochemistry and are therefore also dependent on the results of the pending assays. The authors recommend that until assay results are returned from the lab, no further drilling or other work is required to test the targets for gold or critical metals at the time of filing this report.

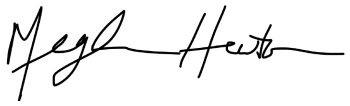
Certificate of Qualifications

I, Meghan Hewton of Temiskaming Shores, ON, hereby certify that:

1. I am employed by Canada Silver Cobalt Works as Senior Geologist.
2. I am the Qualified Person for this report entitled “Report on a Diamond Drilling Program at the Reed-Robinson Claim Group.”
3. I hold the following academic qualifications: BSc. (Hons.) Environmental Geosciences (2010), University of Western Ontario (London, ON); and MSc. Geology (2012), Simon Fraser University (Burnaby, BC).
4. I am a registered member of the Association of Professional Geoscientists of Ontario (Registration # 3576) and received my PGeo designation in February 2022.
5. I have practiced as an exploration geologist (GIT or PGeo.) in Ontario, Yukon, Northwest Territories, and Alaska, USA, continually since 2012.
6. I have worked on mineral exploration projects in the Abitibi Greenstone Belt since 2015, and am familiar with the host rock lithologies, alteration and mineralization styles, and deposit models typical of the Abitibi Greenstone Belt.
7. I supervised the drilling and logging work reported in this assessment report.
8. I co-authored this report.
9. As of the date of this certificate, to the best of my knowledge, information, and belief, this report contains all scientific and technical information that is required to be disclosed to make this report not misleading.

Dated:

December 13, 2022



Meghan Hewton, MSc., PGeo (Registration #3576)

Senior Geologist, Canada Silver Cobalt Works



I, Gerhard Kiessling of Wasaga Beach, ON, hereby certify that:

1. I am employed by Canada Silver Cobalt Works as Vice President Exploration.
2. I am the Qualified Person for this report entitled “Report on a Diamond Drilling Program at the Reed-Robinson Claim Group.”
3. I hold the following academic qualifications: BSc. (Hons.) Earth Sciences, Geology Specialization, University of Waterloo (Waterloo, ON)
4. I am a registered member of the Association of Professional Geoscientists of Ontario (Registration # 3670) and received my PGeo designation in July 2022.
5. I have practiced as an exploration geologist (GIT or PGeo.) in Ontario, Alberta, and Nunavut since 2013.
6. I have worked on mineral exploration projects in the Abitibi Greenstone Belt since 2017, and am familiar with the host rock lithologies, alteration and mineralization styles, and deposit models typical of the Abitibi Greenstone Belt.
7. I supervised the drilling and logging work reported in this assessment report.
8. I co-authored this report.
9. As of the date of this certificate, to the best of my knowledge, information, and belief, this report contains all scientific and technical information that is required to be disclosed to make this report not misleading.

Dated:

December 13 2022

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Gerhard Kiessling, BSc., PGeo (Registration #3670)

Vice President Exploration, Canada Silver Cobalt Works



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Expenses Incurred

Table 6. List of expenditures.

Item	Date From	Date To	Subitem	Rate	/	Unit	# Units	Cost
Trail cutting/mulching	28-Sep-22	04-Oct-22	Diversified Forestry Inc.	$ 400.00	/	hour	42	$ 16,800.00
Drill trail cutting/mulching float	28-Sep-22	04-Oct-22	Mid-North Recycling (for Diversified Forestry Inc)	$ 150.00	/	hour	7	$ 1,050.00
Float Drill	14-Nov-22	14-Nov-22	Laframboise Drilling Inc.	$ 1,760.00	/	day	1	$ 1,760.00
Drilling (casing)	16-Nov-22	16-Nov-22	Laframboise Drilling Inc.	$ 330.00	/	meters	1	$ 330.00
Drilling (core)	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 141.05	/	meters	969	$ 136,680.00
Drilling Materials (casing shoes)	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 325.00	/	shoe	1	$ 325.00
Drilling (moving drill)	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 195.00	/	hour	14	$ 2,730.00
Drillers travelling	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 200.00	/	hour	22	$ 4,400.00
Dozer Work	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 195.00	/	hour	10	$ 1,950.00
Morooka	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 100.00	/	hour	22	$ 2,200.00

Item	Date From	Date To	Subitem	Rate	/	Unit	# Units	Cost
Drill Fuel	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 1.85	/	litre	6858.5	$ 12,664.89
Cut drill pads (Feller Buncher)	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 195.00	/	hour	22	$ 4,290.00
Survey per Hour	16-Nov-22	27-Nov-22	Laframboise Drilling Inc.	$ 300.00	/	hour	6	$ 1,800.00
Casing Flags	16-Nov-22	27-Nov-22	B&G	$ 105.00	/	flag	1	$ 105.00
Core Boxes	16-Nov-22	27-Nov-22	Garden Lake Timber	$ 14.00	/	box	224	$ 3,136.00
Survey Tool rental: Reflex Gyro	16-Nov-22	27-Nov-22	Imdex Ltd.	$ 266.67	/	day	12	$ 3,200.00
Survey Tool rental: Reflex TN-14	16-Nov-22	27-Nov-22	Imdex Ltd.	$ 133.33	/	day	12	$ 1,600.00
Orientation Tool Rental: Reflex ACT III	16-Nov-22	27-Nov-22	Imdex Ltd.	$ 98.91	/	day	12	$ 1,186.92
Orientation Logging Tool Rental: Reflex IQLogger	17-Nov-22	29-Nov-22	Imdex Ltd.	$ 35.00	/	day	12	$ 420.00
Leapfrog Geo 3D modelling software - 2 licenses	01-Nov-22	12-Dec-22	Seequent Ltd. ($27,790.00 USD to 35,779.63 CAD) Drilling + partial logging time	$ 98.02	/	day	18	$ 1,764.36
Geotic Logging software - 2 licenses	15-Nov-22	12-Dec-22	Geotic (2 of 3 licenses)	$ 2.63	/	day	12	$ 31.56
Exploration Geologist	24-Oct-22	07-Dec-22	LOGGING	$ 500.00	/	day	12	$ 6,000.00

Item	Date From	Date To	Subitem	Rate	/	Unit	# Units	Cost
Geotechnician	24-Oct-22	07-Dec-22	GEOTECHING	$ 462.50	/	day	12	$ 5,550.00
Senior Geologist QP	24-Oct-22	07-Dec-22	ADMINISTRATIVE	$ 67.50	/	hour	5.5	$ 371.25
Senior Geologist	24-Oct-22	07-Dec-22	DRILL MANAGEMENT	$ 57.50	/	hour	39.5	$ 2,271.25
Senior Geologist	24-Oct-22	07-Dec-22	DRILLING PREPARATION	$ 57.50	/	hour	35	$ 2,012.50
Senior Geologist QP	24-Oct-22	07-Dec-22	DRILLING PREPARATION	$ 67.50	/	hour	16	$ 1,080.00
Senior Geotech	24-Oct-22	07-Dec-22	LABOUR	$ 46.25	/	hour	8	$ 370.00
Senior Labourer	24-Oct-22	07-Dec-22	LABOUR	$ 46.25	/	hour	56	$ 2,590.00
Geotech	24-Oct-22	07-Dec-22	LABOUR	$ 35.00	/	hour	18	$ 630.00
Senior Geologist	24-Oct-22	07-Dec-22	OFFICE	$ 57.50	/	hour	15	$ 862.50
Project Geologist	24-Oct-22	07-Dec-22	OFFICE	$ 52.50	/	hour	14.5	$ 761.25
Senior Geotech	24-Oct-22	07-Dec-22	OFFICE	$ 46.25	/	hour	22.5	$ 1,040.63
Pickup Trucks	14-Nov-22	30-Nov-22	Vehicle for hauling core and visiting drills	$ 100.00	/	day	17	$ 1,700.00

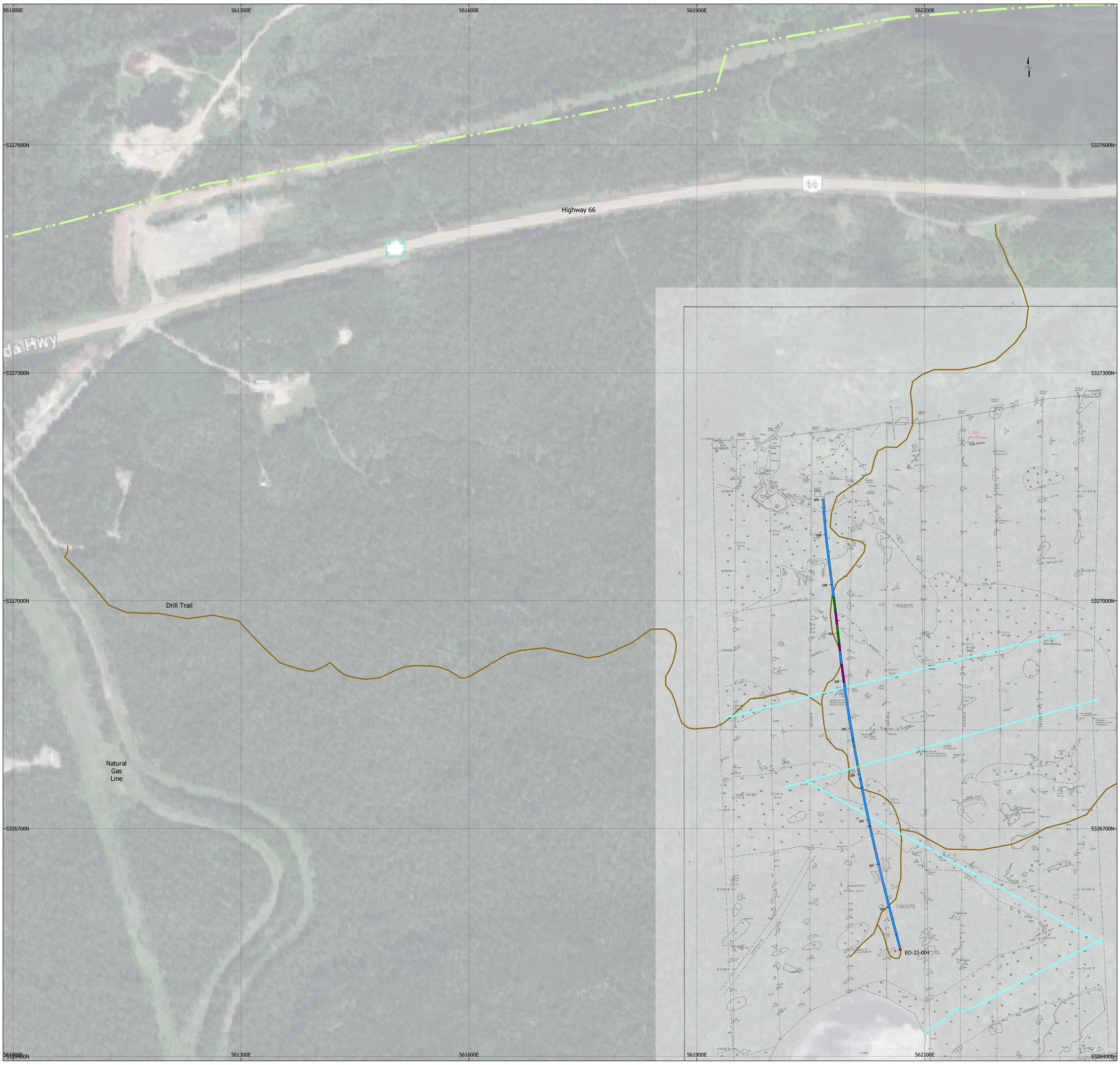
Item	Date From	Date To	Subitem	Rate	/	Unit	# Units	Cost
Vehicle Mileage - core pickup & site visits	14-Nov-22	07-Dec-22	Charge for gas and vehicle wear and tear	$ 0.50	/	km	4040	$ 2,020.00
Core Shack and office	14-Nov-22	13-Dec-22	Charge for costs incurred with core shack building	$ 100.00	/	day	30	$ 3,000.00
				TOTAL EXPENDITURES				**$ 228,683.11**

Table 7. Expense allocation by claim per meters drilled.

HOLE ID	METERAGE AND PERCENT OF EACH HOLE DRILLED PER CLAIM				
	HOLE LENGTH (m)	CLAIM 192312		CLAIM 327167	
		METERS	PERCENT	METERS	PERCENT
EO-22-004	969	488	50.4%	481	49.6%
TOTAL PROGRAM EXPENDITURES	**$ 228,683.11**	**AMOUNT APPLIED TO CLAIM 192312**	**$ 115,167.55**	**AMOUNT APPLIED TO CLAIM 327167**	**$ 113,515.56**

Reed-Robinson Hole EO-22-004
Drill Program Plan View

Satellite imagery draped with Robinson (1996) geological compilation and interpretation map



Legend

Lithology

- Casing
- Graphitic Fault Zone
- Syenite
- Lamprophyre
- Mafic Dyke
- Mafic Volcanic
- Mafic Intrusive; Archean Gabbro
- Mafic Intrusive
- Archean Gabbro
- Ultramafic

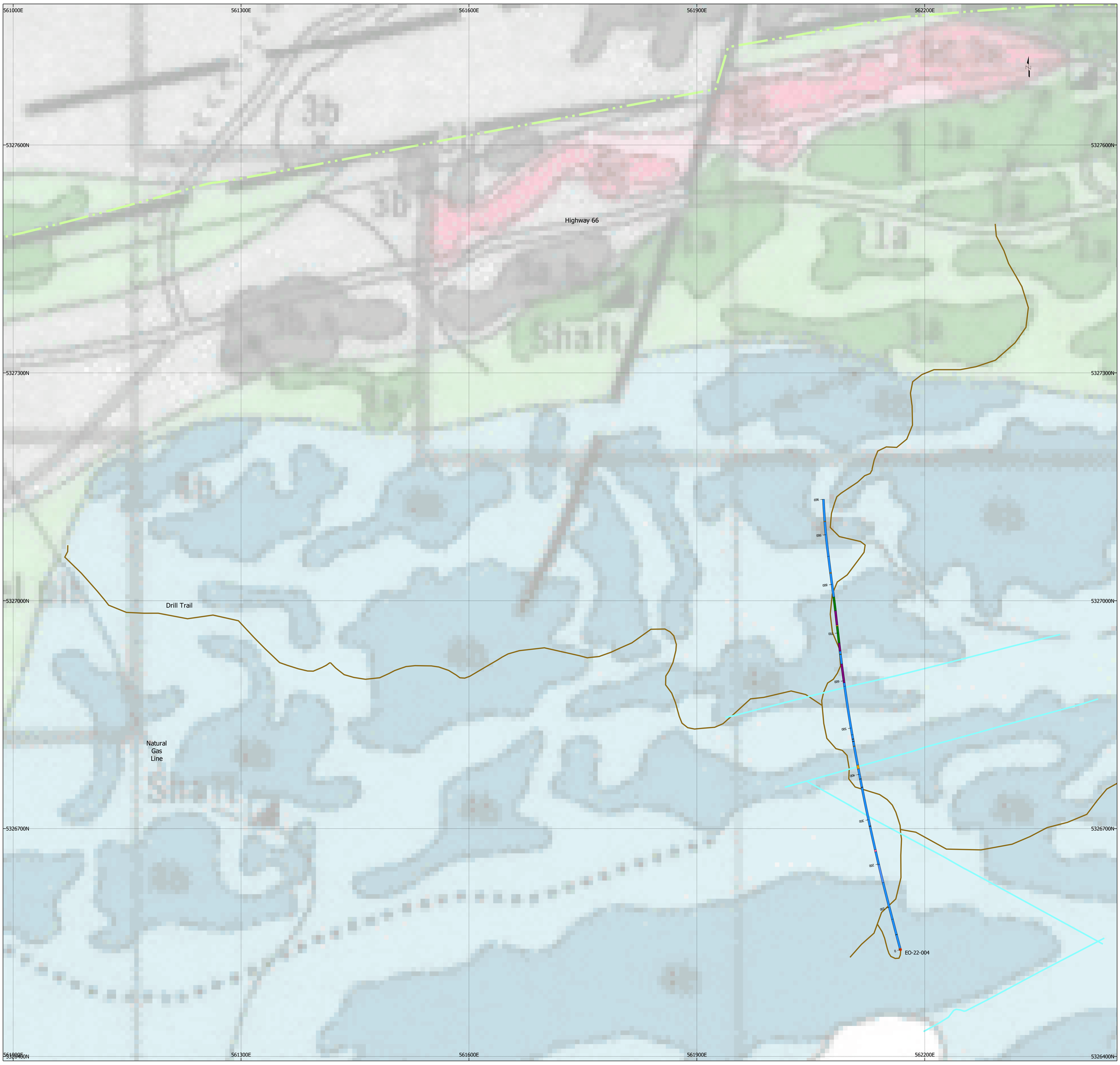
- Cadillac-Larder Lake Deformation Zone (at surface, from Lovell 1972)

Reed-Robinson Lineaments (Interpreted Faults)

- Reed-Robinson Interpreted Faults

Reed-Robinson Hole EO-22-004
Drill Program Plan View

Satellite imagery draped with Map 2239 (Lovell 1972) Geology of Eby and Otto Townships



Scale: 1:2,000

0m 500m

Legend

Lithology

- Casing
- Graphitic Fault Zone
- Syenite
- Lamprophyre
- Mafic Dyke
- Mafic Volcanic
- Mafic Intrusive; Archean Gabbro
- Mafic Intrusive
- Archean Gabbro
- Ultramafic

Cadillac-Larder Lake Deformation Zone (at surface, from Lovell 1972)

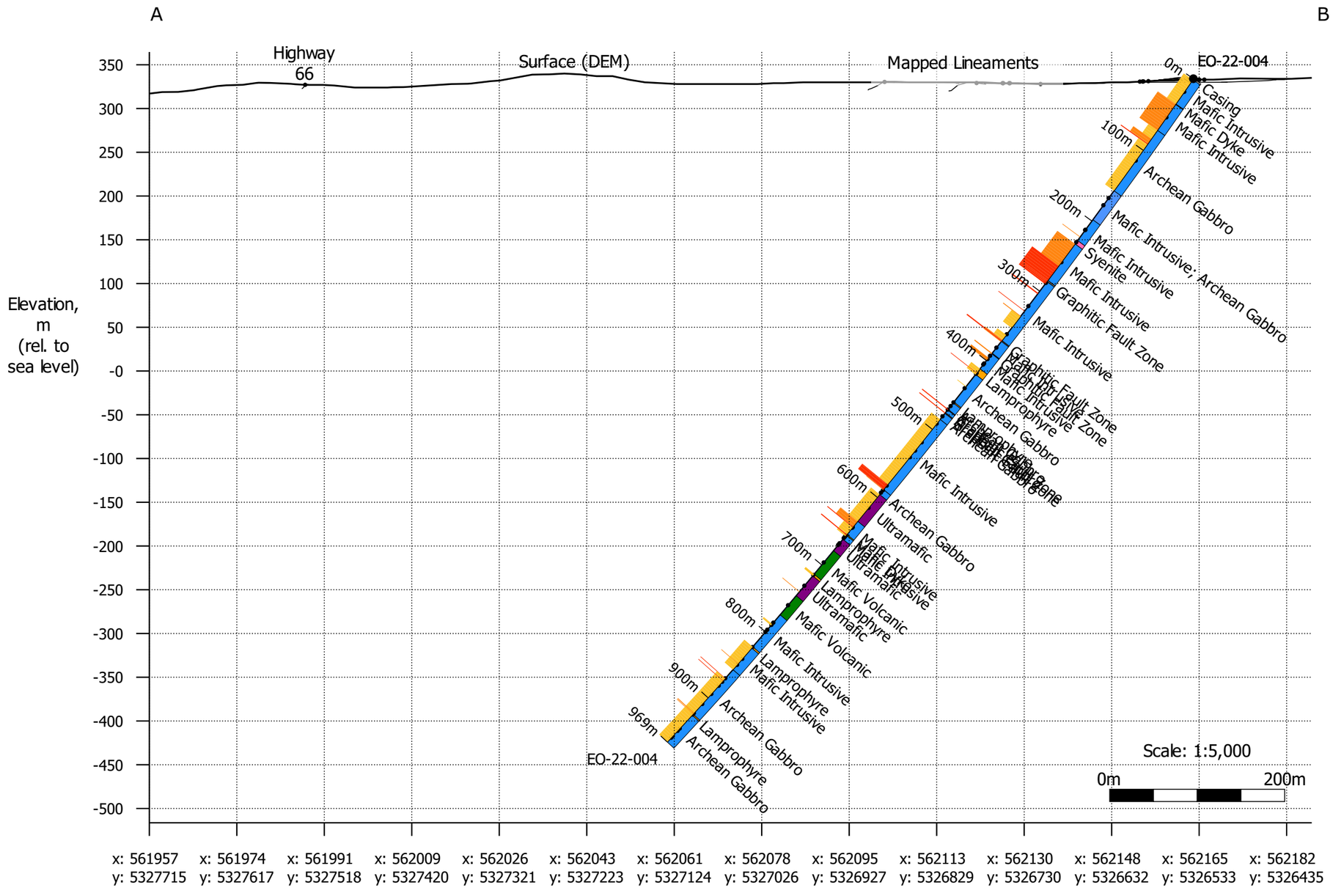
Reed-Robinson Lineaments (Interpreted Faults)

Reed-Robinson Interpreted Faults

EO-22-004 Lithology Section
(Looking azimuth 080)

Section Location
UTM NAD83 Zone 17

A: 561957, 5327715
B: 562187, 5326407



Legend

Lithology

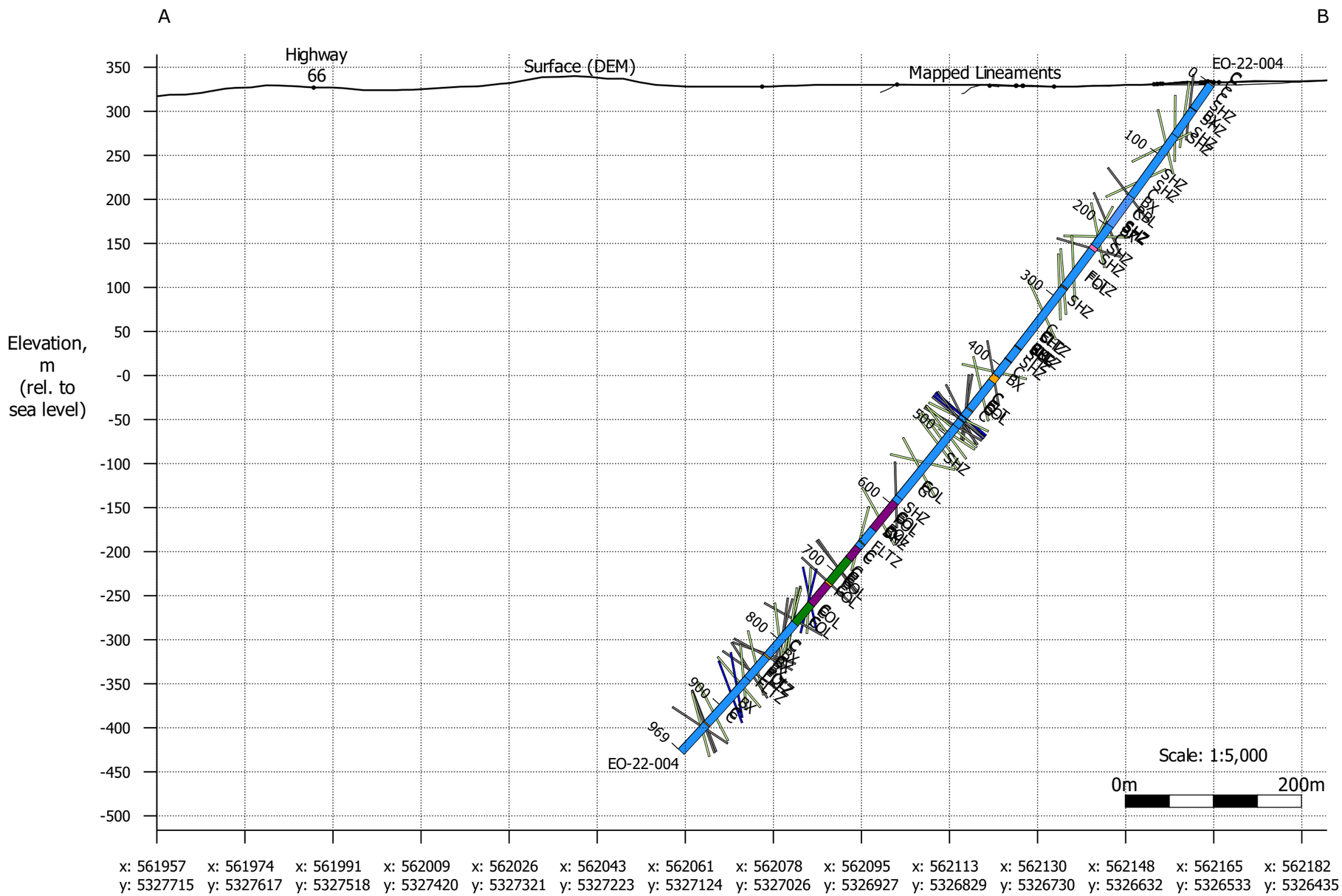
- Casing
- Graphitic Fault Zone
- Syenite
- Lamprophyre
- Mafic Dyke
- Mafic Volcanic
- Mafic Intrusive; Archean Gabbro
- Mafic Intrusive
- Archean Gabbro
- Ultramafic

Sulphide Percent

pyrite +/- sphalerite +/- chalcopyrite

0 0.8 1.5 2.3 3

EO-22-004 Structure Log Section
(Looking azimuth 080)



Section Location
UTM NAD83 Zone 17

A: 561957, 5327715
B: 562187, 5326407

Legend

IQ Logger Oriented Structures
EO_REED_ROBINSON_IQLogger_Structures
CONTACT
FLT
FLT+gg
FOL
SHR

EO_REED_ROBINSON_Interval_Structure
EO_REED_ROBINSON_Interval_Structure

Lithology
Casing
Graphitic Fault Zone
Syenite
Lamprophyre
Mafic Dyke
Mafic Volcanic
Mafic Intrusive; Archean Gabbro
Mafic Intrusive
Archean Gabbro
Ultramafic

CANADA SILVER COBALT

Drillhole Number: **EO-22-004** Project Location: **Ebby-Otto, Kirkland Lake Ontario**

Drill Hole Log

Collar

Easting	5326540.6530
Northing	562167.9841
Elevation	354.0524
Azimuth	345.20°
Dip	-56.00°
Length	969.00

Drill Hole

Core Type	DDH
Core Size	NQ
Hole Test	Gyro
Cemented	No

Location

Township	Eby
Cell Claim No.	192312 & 327167

Operation

Contractor	Laframboise
Hole Start Date	2022-11-16
Hole End Date	2022-11-27
Project Operator	CSCW
Logged By	Martin Levasseur
Logging Complete	2022-12-29

Collar Survey	Yes
Datum	UTM NAD83 z17
Survey Complete Date	2022-11-27

Survey Equipment	REFLEX GYRO SPRINT-IQ
Unit Measurement	Meters

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	3.00	345.16°	-55.15°	No	No	
Gyro	6.00	345.15°	-55.07°	No	No	
Gyro	9.00	345.20°	-55.03°	No	No	
Gyro	12.00	345.21°	-54.97°	No	No	
Gyro	12.00	345.66°	-55.46°	Yes	Yes	
Gyro	15.00	345.10°	-54.92°	No	No	
Gyro	18.00	345.07°	-54.92°	No	No	
Gyro	21.00	345.08°	-54.91°	No	No	
Gyro	24.00	345.13°	-54.94°	No	No	
Gyro	27.00	345.17°	-54.96°	No	No	
Gyro	30.00	345.22°	-55.00°	No	No	
Gyro	33.00	345.24°	-54.99°	No	No	
Gyro	36.00	345.24°	-54.99°	No	No	
Gyro	39.00	345.38°	-54.97°	No	No	
Gyro	42.00	345.21°	-55.01°	No	No	
Gyro	42.00	345.35°	-55.24°	Yes	Yes	
Gyro	45.00	345.30°	-54.97°	No	No	
Gyro	48.00	345.29°	-54.94°	No	No	
Gyro	51.00	345.37°	-54.93°	No	No	
Gyro	54.00	345.33°	-54.92°	No	No	
Gyro	57.00	345.40°	-54.87°	No	No	
Gyro	60.00	345.43°	-54.86°	No	No	
Gyro	63.00	345.45°	-54.85°	No	No	
Gyro	66.00	345.43°	-54.77°	No	No	
Gyro	69.00	345.46°	-54.76°	No	No	
Gyro	72.00	345.47°	-54.74°	No	No	
Gyro	72.00	346.89°	-55.01°	Yes	Yes	
Gyro	75.00	345.48°	-54.71°	No	No	
Gyro	78.00	345.50°	-54.68°	No	No	
Gyro	81.00	345.47°	-54.63°	No	No	
Gyro	84.00	345.46°	-54.56°	No	No	
Gyro	87.00	345.44°	-54.53°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	90.00	345.50°	-54.50°	No	No	
Gyro	93.00	345.41°	-54.49°	No	No	
Gyro	96.00	345.50°	-54.43°	No	No	
Gyro	99.00	345.43°	-54.39°	No	No	
Gyro	102.00	345.57°	-54.37°	No	No	
Gyro	102.00	345.26°	-54.75°	Yes	Yes	
Gyro	105.00	345.55°	-54.31°	No	No	
Gyro	108.00	345.58°	-54.27°	No	No	
Gyro	111.00	345.64°	-54.26°	No	No	
Gyro	114.00	345.69°	-54.21°	No	No	
Gyro	117.00	345.63°	-54.20°	No	No	
Gyro	120.00	345.75°	-54.15°	No	No	
Gyro	123.00	345.69°	-54.13°	No	No	
Gyro	126.00	345.82°	-54.12°	No	No	
Gyro	129.00	345.79°	-54.10°	No	No	
Gyro	132.00	345.88°	-54.08°	No	No	
Gyro	132.00	346.22°	-54.39°	Yes	Yes	
Gyro	135.00	345.91°	-54.08°	No	No	
Gyro	138.00	345.93°	-54.07°	No	No	
Gyro	141.00	345.95°	-54.02°	No	No	
Gyro	144.00	345.99°	-54.03°	No	No	
Gyro	147.00	345.95°	-53.94°	No	No	
Gyro	150.00	346.02°	-53.93°	No	No	
Gyro	153.00	346.05°	-53.92°	No	No	
Gyro	156.00	346.11°	-53.91°	No	No	
Gyro	159.00	346.15°	-53.89°	No	No	
Gyro	162.00	346.16°	-53.87°	No	No	
Gyro	162.00	345.99°	-54.21°	Yes	Yes	
Gyro	165.00	346.30°	-53.91°	No	No	
Gyro	168.00	346.31°	-53.90°	No	No	
Gyro	171.00	346.40°	-53.83°	No	No	
Gyro	174.00	346.43°	-53.81°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	177.00	346.42°	-53.80°	No	No	
Gyro	180.00	346.47°	-53.78°	No	No	
Gyro	183.00	346.47°	-53.78°	No	No	
Gyro	186.00	346.60°	-53.77°	No	No	
Gyro	189.00	346.57°	-53.75°	No	No	
Gyro	192.00	346.63°	-53.75°	No	No	
Gyro	192.00	347.46°	-54.02°	Yes	Yes	
Gyro	195.00	346.64°	-53.73°	No	No	
Gyro	198.00	346.63°	-53.72°	No	No	
Gyro	201.00	346.70°	-53.70°	No	No	
Gyro	204.00	346.64°	-53.68°	No	No	
Gyro	207.00	346.69°	-53.68°	No	No	
Gyro	210.00	346.70°	-53.63°	No	No	
Gyro	213.00	346.74°	-53.62°	No	No	
Gyro	216.00	346.78°	-53.61°	No	No	
Gyro	219.00	346.83°	-53.59°	No	No	
Gyro	222.00	346.88°	-53.58°	No	No	
Gyro	222.00	347.91°	-53.85°	Yes	Yes	
Gyro	225.00	346.92°	-53.53°	No	No	
Gyro	228.00	346.95°	-53.52°	No	No	
Gyro	231.00	347.01°	-53.49°	No	No	
Gyro	234.00	347.08°	-53.46°	No	No	
Gyro	237.00	347.10°	-53.44°	No	No	
Gyro	240.00	347.10°	-53.44°	No	No	
Gyro	243.00	347.19°	-53.40°	No	No	
Gyro	246.00	347.18°	-53.38°	No	No	
Gyro	249.00	347.28°	-53.36°	No	No	
Gyro	252.00	347.27°	-53.33°	No	No	
Gyro	252.00	348.81°	-53.66°	Yes	Yes	
Gyro	255.00	347.26°	-53.30°	No	No	
Gyro	258.00	347.36°	-53.29°	No	No	
Gyro	261.00	347.37°	-53.25°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	264.00	347.41°	-53.24°	No	No	
Gyro	267.00	347.44°	-53.19°	No	No	
Gyro	270.00	347.47°	-53.17°	No	No	
Gyro	273.00	347.53°	-53.14°	No	No	
Gyro	276.00	347.56°	-53.11°	No	No	
Gyro	279.00	347.62°	-53.08°	No	No	
Gyro	282.00	347.66°	-53.05°	No	No	
Gyro	282.00	348.38°	-53.35°	Yes	Yes	
Gyro	285.00	347.69°	-53.03°	No	No	
Gyro	288.00	347.76°	-52.99°	No	No	
Gyro	291.00	347.78°	-52.98°	No	No	
Gyro	294.00	347.88°	-52.95°	No	No	
Gyro	297.00	347.97°	-52.93°	No	No	
Gyro	300.00	348.02°	-52.91°	No	No	
Gyro	303.00	347.98°	-52.88°	No	No	
Gyro	306.00	347.99°	-52.86°	No	No	
Gyro	309.00	348.06°	-52.83°	No	No	
Gyro	312.00	348.13°	-52.81°	No	No	
Gyro	312.00	349.18°	-53.17°	Yes	Yes	
Gyro	315.00	348.11°	-52.79°	No	No	
Gyro	318.00	348.13°	-52.76°	No	No	
Gyro	321.00	348.15°	-52.68°	No	No	
Gyro	324.00	348.11°	-52.63°	No	No	
Gyro	327.00	348.20°	-52.60°	No	No	
Gyro	330.00	348.25°	-52.58°	No	No	
Gyro	333.00	348.30°	-52.56°	No	No	
Gyro	336.00	348.36°	-52.54°	No	No	
Gyro	339.00	348.35°	-52.52°	No	No	
Gyro	342.00	348.43°	-52.47°	No	No	
Gyro	342.00	348.95°	-52.86°	Yes	Yes	
Gyro	345.00	348.54°	-52.46°	No	No	
Gyro	348.00	348.61°	-52.44°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	351.00	348.69°	-52.41°	No	No	
Gyro	354.00	348.79°	-52.36°	No	No	
Gyro	357.00	348.80°	-52.39°	No	No	
Gyro	360.00	348.96°	-52.38°	No	No	
Gyro	363.00	348.88°	-52.38°	No	No	
Gyro	366.00	348.94°	-52.38°	No	No	
Gyro	369.00	349.00°	-52.37°	No	No	
Gyro	372.00	349.08°	-52.34°	No	No	
Gyro	372.00	349.52°	-52.64°	Yes	Yes	
Gyro	375.00	349.06°	-52.34°	No	No	
Gyro	378.00	349.03°	-52.27°	No	No	
Gyro	381.00	349.13°	-52.24°	No	No	
Gyro	384.00	349.13°	-52.19°	No	No	
Gyro	387.00	349.09°	-52.12°	No	No	
Gyro	390.00	349.00°	-52.08°	No	No	
Gyro	393.00	348.94°	-52.08°	No	No	
Gyro	396.00	348.94°	-52.02°	No	No	
Gyro	399.00	348.95°	-52.02°	No	No	
Gyro	402.00	348.98°	-51.98°	No	No	
Gyro	402.00	349.65°	-52.34°	Yes	Yes	
Gyro	405.00	349.06°	-51.98°	No	No	
Gyro	408.00	349.04°	-51.95°	No	No	
Gyro	411.00	349.15°	-51.93°	No	No	
Gyro	414.00	349.12°	-51.89°	No	No	
Gyro	417.00	349.23°	-51.90°	No	No	
Gyro	420.00	349.29°	-51.89°	No	No	
Gyro	423.00	349.27°	-51.87°	No	No	
Gyro	426.00	349.38°	-51.85°	No	No	
Gyro	429.00	349.43°	-51.84°	No	No	
Gyro	432.00	349.46°	-51.82°	No	No	
Gyro	432.00	349.88°	-52.02°	Yes	Yes	
Gyro	435.00	349.50°	-51.82°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	438.00	349.52°	-51.78°	No	No	
Gyro	441.00	349.57°	-51.77°	No	No	
Gyro	444.00	349.61°	-51.79°	No	No	
Gyro	447.00	349.72°	-51.78°	No	No	
Gyro	450.00	349.78°	-51.77°	No	No	
Gyro	453.00	349.85°	-51.75°	No	No	
Gyro	456.00	349.82°	-51.73°	No	No	
Gyro	459.00	349.88°	-51.72°	No	No	
Gyro	462.00	349.91°	-51.64°	No	No	
Gyro	462.00	350.33°	-51.94°	Yes	Yes	
Gyro	465.00	349.96°	-51.67°	No	No	
Gyro	468.00	350.02°	-51.65°	No	No	
Gyro	471.00	350.07°	-51.60°	No	No	
Gyro	474.00	350.09°	-51.59°	No	No	
Gyro	477.00	350.15°	-51.57°	No	No	
Gyro	480.00	350.22°	-51.56°	No	No	
Gyro	483.00	350.25°	-51.53°	No	No	
Gyro	486.00	350.31°	-51.55°	No	No	
Gyro	489.00	350.32°	-51.50°	No	No	
Gyro	492.00	350.32°	-51.49°	No	No	
Gyro	492.00	350.45°	-51.74°	Yes	Yes	
Gyro	495.00	350.40°	-51.47°	No	No	
Gyro	498.00	350.39°	-51.46°	No	No	
Gyro	501.00	350.48°	-51.42°	No	No	
Gyro	504.00	350.46°	-51.39°	No	No	
Gyro	507.00	350.52°	-51.37°	No	No	
Gyro	510.00	350.64°	-51.35°	No	No	
Gyro	513.00	350.62°	-51.32°	No	No	
Gyro	516.00	350.70°	-51.31°	No	No	
Gyro	519.00	350.75°	-51.28°	No	No	
Gyro	522.00	350.85°	-51.30°	No	No	
Gyro	522.00	351.32°	-51.55°	Yes	Yes	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	525.00	350.91°	-51.27°	No	No	
Gyro	528.00	350.98°	-51.26°	No	No	
Gyro	531.00	350.98°	-51.25°	No	No	
Gyro	534.00	351.09°	-51.21°	No	No	
Gyro	537.00	351.16°	-51.20°	No	No	
Gyro	540.00	351.22°	-51.20°	No	No	
Gyro	543.00	351.26°	-51.16°	No	No	
Gyro	546.00	351.42°	-51.15°	No	No	
Gyro	549.00	351.43°	-51.12°	No	No	
Gyro	552.00	351.47°	-51.06°	No	No	
Gyro	552.00	352.04°	-51.25°	Yes	Yes	
Gyro	555.00	351.57°	-50.99°	No	No	
Gyro	558.00	351.56°	-50.95°	No	No	
Gyro	561.00	351.64°	-50.88°	No	No	
Gyro	564.00	351.71°	-50.86°	No	No	
Gyro	567.00	351.71°	-50.82°	No	No	
Gyro	570.00	351.74°	-50.76°	No	No	
Gyro	573.00	351.82°	-50.76°	No	No	
Gyro	576.00	351.85°	-50.78°	No	No	
Gyro	579.00	351.84°	-50.73°	No	No	
Gyro	582.00	351.90°	-50.76°	No	No	
Gyro	582.00	352.99°	-51.15°	Yes	Yes	
Gyro	585.00	351.98°	-50.77°	No	No	
Gyro	588.00	352.06°	-50.73°	No	No	
Gyro	591.00	352.02°	-50.66°	No	No	
Gyro	594.00	352.09°	-50.65°	No	No	
Gyro	597.00	352.11°	-50.65°	No	No	
Gyro	600.00	352.21°	-50.62°	No	No	
Gyro	603.00	352.27°	-50.63°	No	No	
Gyro	606.00	352.26°	-50.65°	No	No	
Gyro	609.00	352.34°	-50.63°	No	No	
Gyro	612.00	352.38°	-50.63°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	612.00	353.23°	-51.02°	Yes	Yes	
Gyro	615.00	352.43°	-50.62°	No	No	
Gyro	618.00	352.49°	-50.68°	No	No	
Gyro	621.00	352.58°	-50.71°	No	No	
Gyro	624.00	352.57°	-50.75°	No	No	
Gyro	627.00	352.62°	-50.80°	No	No	
Gyro	630.00	352.71°	-50.83°	No	No	
Gyro	633.00	352.76°	-50.83°	No	No	
Gyro	636.00	352.79°	-50.78°	No	No	
Gyro	639.00	352.84°	-50.71°	No	No	
Gyro	642.00	352.83°	-50.63°	No	No	
Gyro	642.00	353.42°	-51.15°	Yes	Yes	
Gyro	645.00	352.90°	-50.63°	No	No	
Gyro	648.00	352.92°	-50.58°	No	No	
Gyro	651.00	352.98°	-50.50°	No	No	
Gyro	654.00	353.03°	-50.51°	No	No	
Gyro	657.00	353.05°	-50.53°	No	No	
Gyro	660.00	353.10°	-50.54°	No	No	
Gyro	663.00	353.10°	-50.57°	No	No	
Gyro	666.00	353.18°	-50.55°	No	No	
Gyro	669.00	353.22°	-50.54°	No	No	
Gyro	672.00	353.27°	-50.55°	No	No	
Gyro	672.00	353.59°	-50.91°	Yes	Yes	
Gyro	675.00	353.36°	-50.61°	No	No	
Gyro	678.00	353.36°	-50.61°	No	No	
Gyro	681.00	353.44°	-50.59°	No	No	
Gyro	684.00	353.39°	-50.57°	No	No	
Gyro	687.00	353.44°	-50.51°	No	No	
Gyro	690.00	353.44°	-50.49°	No	No	
Gyro	693.00	353.39°	-50.42°	No	No	
Gyro	696.00	353.37°	-50.38°	No	No	
Gyro	699.00	353.42°	-50.35°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	702.00	353.39°	-50.32°	No	No	
Gyro	702.00	354.35°	-50.77°	Yes	Yes	
Gyro	705.00	353.42°	-50.29°	No	No	
Gyro	708.00	353.33°	-50.23°	No	No	
Gyro	711.00	353.31°	-50.20°	No	No	
Gyro	714.00	353.33°	-50.13°	No	No	
Gyro	717.00	353.37°	-50.14°	No	No	
Gyro	720.00	353.50°	-50.10°	No	No	
Gyro	723.00	353.48°	-50.08°	No	No	
Gyro	726.00	353.54°	-50.06°	No	No	
Gyro	729.00	353.60°	-50.07°	No	No	
Gyro	732.00	353.71°	-50.03°	No	No	
Gyro	732.00	354.25°	-50.43°	Yes	Yes	
Gyro	735.00	353.73°	-50.04°	No	No	
Gyro	738.00	353.73°	-50.11°	No	No	
Gyro	741.00	353.67°	-50.14°	No	No	
Gyro	744.00	353.62°	-50.07°	No	No	
Gyro	747.00	353.43°	-50.03°	No	No	
Gyro	750.00	353.36°	-50.02°	No	No	
Gyro	753.00	353.19°	-50.00°	No	No	
Gyro	756.00	353.15°	-49.97°	No	No	
Gyro	759.00	353.02°	-49.92°	No	No	
Gyro	762.00	352.90°	-49.86°	No	No	
Gyro	762.00	354.99°	-50.43°	Yes	Yes	
Gyro	765.00	352.68°	-49.83°	No	No	
Gyro	768.00	352.56°	-49.80°	No	No	
Gyro	771.00	352.36°	-49.76°	No	No	
Gyro	774.00	352.32°	-49.68°	No	No	
Gyro	777.00	352.26°	-49.64°	No	No	
Gyro	780.00	352.33°	-49.61°	No	No	
Gyro	783.00	352.34°	-49.60°	No	No	
Gyro	786.00	352.33°	-49.58°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	789.00	352.35°	-49.54°	No	No	
Gyro	792.00	352.38°	-49.51°	No	No	
Gyro	792.00	352.35°	-49.91°	Yes	Yes	
Gyro	795.00	352.43°	-49.50°	No	No	
Gyro	798.00	352.49°	-49.47°	No	No	
Gyro	801.00	352.51°	-49.47°	No	No	
Gyro	804.00	352.54°	-49.45°	No	No	
Gyro	807.00	352.53°	-49.43°	No	No	
Gyro	810.00	352.58°	-49.40°	No	No	
Gyro	813.00	352.62°	-49.38°	No	No	
Gyro	816.00	352.62°	-49.36°	No	No	
Gyro	819.00	352.65°	-49.36°	No	No	
Gyro	822.00	352.72°	-49.34°	No	No	
Gyro	822.00	353.50°	-49.55°	Yes	Yes	
Gyro	822.00	353.97°	-48.36°	Yes	Yes	
Gyro	825.00	352.65°	-49.33°	No	No	
Gyro	828.00	352.76°	-49.25°	No	No	
Gyro	831.00	352.76°	-49.21°	No	No	
Gyro	834.00	352.76°	-49.16°	No	No	
Gyro	837.00	352.77°	-49.08°	No	No	
Gyro	840.00	352.83°	-49.00°	No	No	
Gyro	843.00	352.82°	-48.97°	No	No	
Gyro	846.00	352.86°	-48.92°	No	No	
Gyro	849.00	352.95°	-48.89°	No	No	
Gyro	852.00	352.89°	-48.88°	No	No	
Gyro	852.00	353.26°	-48.99°	Yes	Yes	
Gyro	855.00	352.98°	-48.83°	No	No	
Gyro	858.00	352.92°	-48.77°	No	No	
Gyro	861.00	352.88°	-48.71°	No	No	
Gyro	864.00	352.98°	-48.65°	No	No	
Gyro	867.00	352.90°	-48.57°	No	No	
Gyro	870.00	352.96°	-48.48°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	873.00	353.07°	-48.40°	No	No	
Gyro	876.00	353.19°	-48.37°	No	No	
Gyro	879.00	353.35°	-48.32°	No	No	
Gyro	882.00	353.51°	-48.19°	No	No	
Gyro	885.00	353.60°	-48.11°	No	No	
Gyro	888.00	353.77°	-48.00°	No	No	
Gyro	891.00	353.78°	-47.94°	No	No	
Gyro	894.00	354.02°	-47.91°	No	No	
Gyro	897.00	354.11°	-47.89°	No	No	
Gyro	900.00	354.25°	-47.91°	No	No	
Gyro	903.00	354.46°	-47.87°	No	No	
Gyro	906.00	354.63°	-47.80°	No	No	
Gyro	909.00	354.83°	-47.70°	No	No	
Gyro	912.00	354.94°	-47.59°	No	No	
Gyro	912.00	355.24°	-47.92°	Yes	Yes	
Gyro	915.00	355.12°	-47.52°	No	No	
Gyro	918.00	355.38°	-47.43°	No	No	
Gyro	921.00	355.51°	-47.34°	No	No	
Gyro	924.00	355.68°	-47.24°	No	No	
Gyro	927.00	355.82°	-47.17°	No	No	
Gyro	930.00	355.93°	-47.13°	No	No	
Gyro	933.00	355.88°	-47.14°	No	No	
Gyro	936.00	356.01°	-47.13°	No	No	
Gyro	939.00	356.02°	-47.14°	No	No	
Gyro	942.00	356.14°	-47.17°	No	No	
Gyro	942.00	356.93°	-47.23°	Yes	Yes	
Gyro	945.00	356.30°	-47.16°	No	No	
Gyro	948.00	356.51°	-47.07°	No	No	
Gyro	951.00	356.71°	-47.00°	No	No	
Gyro	954.00	356.89°	-47.00°	No	No	
Gyro	957.00	357.05°	-46.97°	No	No	
Gyro	960.00	357.19°	-46.90°	No	No	

Down Hole Survey

Type	Depth	Azimuth	Dip	Invalid...	Invalid...	
Gyro	963.00	357.30°	-46.84°	No	No	
Gyro	966.00	357.31°	-46.84°	No	No	
Gyro	969.00	357.30°	-46.84°	No	No	

Detailed Drill Hole Log

From	To	Title	Description
0.00	1.31	Casing	Casing.
1.31	35.22	Mafic Intrusive	Grey, to dark grey and occasionally slightly greenish MI. Generally medium-grained, equigranular. Homeogeneous to some extent. Multiple 30-60cm zones throughout of coarse-grained archean gabbro with a larger section from 17.25-20.60m, all with either sharp or diffuse boundaries at varying angles. Unit contains subjective very weak to weak patchy chl al often assocaited with AGAB and with two other 20cm zones, one of ser alt and the other sil alt (see alt tab). 2-3% qtz/carb discontinuous and undulating stringers, typically at mid to low angles to core axis. Stringer-controlled ser/chl alt, predominantly from 27-35.22m. AGAB seems to contain what looks like second set of plag(?) that is euhedral, medium-grained and slightly pinkish (nothing noteworthy why used XRF). Trace specs of Py as disseminated and somestimes seen following CHL fracture fills or qtz/carb stringers. Lower contact contains 2-3cm of chl/ser alteration and is sharp with mafic dyke.
35.22	35.85	Dyke	Grey to dark-grey, fine-grained to aphanitic, homogeneous, mafic dyke. UC is sharp but irregular/undulating at a high dTCA (70-80) and the LC is sharp at about 30 dTCA. Contains trace qtz/carb fracture fills at 50-70 dTCA. No visible mineralization.
35.85	72.00	Mafic Intrusive	Similar to previous MI. Grey, to dark grey and occasionally slightly greenish MI. Generally fine-medium-grained and equigranular. Homeogeneous to some extent. Zone of coarse-grained archean gabbro from 56.60-59.35 and 62.4-63.40m with diffuse boundaries. Unit also contains subjective very weak to weak patchy chl alt (+/- minor ser alt) often associated with AGAB or finer-grained zones. Healed brecciated (nearly jigsaw-fit) zone with angular clasts ranging from 0.3-6cm, infilled with chl from 60.40-60.90m and with diffuse boundaries. About 2-3% qtz/carb stringers, veins and fracture fills, typically at mid to high angles to core axis. Occasional sringer-controlled weak chl/ser alt (+/- minor k-spar altered within AGAB). Weak-mod ductile shear zone at 40-60 dTCA from 45.85-46.50m with minor gouge (<0.5cm) along one of the fractures.Trace specs of Py as disseminated and somestimes seen following CHL fracture fills or qtz/carb stringers. Lower contact is gradational and sujective - becomes increasingly coarser-grained afterwards.
72.00	157.16	Archean Gabbro	Grey, to dark grey and occasionally very slightly greenish AGAB. Typically coarse-grained (but may range to medium-grained), hypidiomorphic and homogoeneous. Subjective patchy very weak chl alt throughout but weak pervasive chl (+/- very minor bleaching) from 126-145m. 15cm ductile chl shear found near the end of this perv- alt. About 1-2%

Detailed Drill Hole Log

From	To	Title	Description
			qtz/carb stringers and fracture fills throughout ranging from low-high angles to core axis. Occasional sringer-controlled weak chl/ser alt from 108m. Majority is trace sporatic disseminated Py, but about 1-3% disseminated Py within peripheries of both the large and smaller shear zone, sometimes seen following healed chl fractures or qtz/carb stringers. Lower contact debatable but placed along a 5cm very weak breccia zone, where grain size is variable aftwerwards. From 82.35- 84.75m is mod.-strongly ductilly sheared/foliated with a trend of 40-50 dTCA, where the first 50cm appears to be later-stage healed breccia (presence of foliation texture in brecciated clasts) infilled with chl/qtz and with very minor py and gouge midway. This shear zone is mainly weakly-moderately ser/chl altered (+/- patchy fuschite alt). From 91.16-91.65m, there apears 15cm CHL vein/shear(?) crosscut by qtz/carb vein/stingers and followed by 7-10cm silcified haloes, at about 25-40 dTCA.
157.16	198.15	Mafic Intrusive; Archean Gabbro	Grey, to dark grey and occasionally slightly greenish. Debatably AGAB, grain size is variable/alternating, ranging between medium- to coarse-grained. More or less still hypidiomorphic and homogoeneous in composition. Subjective very weak patchy chl alt throughout. Weak-mod. pervasive chl from 189.5-192m due to Chl infilling of matrix-supported brecciated zone, with varying clast sizes. Weak patchy silcification from 168-175m. 1-2% qtz/carb stringers and fracture fills throughout, generally at mid-high angles TCA. Stringer-controlled weak-mod. chl/ser alteration, especially within first 10m and near more chl altered zone. Fracture fills sometimes appear discontinuous and whispy. Significant qtz/carb veining from 166.95-168m, are wealky kspar altered + purplish alteration of qtz. Rubbled zone from 194.05-194.35m. Two aphanitic mafic dykes present, one in perv. chl altered zone and one before lower contact (see struc tab). Trace (pretty much barren) sporatic small Py bleb. Upper contact define by 5cm of weakly brecciated ser/chl zone and lower contact define by stablizing grain size.
198.15	227.65	Mafic Intrusive	Grey, to dark grey. Generally fine-medium-grained and relatively equigranular where visible, and homogeneous. Weak to patchy slicification from 215.5m. Mulitple zones of weak-moderate chloritic ductile shearing from 214-217.40m and within last 50cm. 2-3% qtz/carb stringers, veins and fracture fills, predominantly at hangles of 60 or higher, or at angles of 20-30dTCA, which are often weakly chloritized/sericitized. Ocassional chl strringer. Some nearly indistinctive healed brecciation from 221-221.60m. No significant mineralization observed other than 1-2% along qtz/carb vein from 222.50-222.80m. Last

Detailed Drill Hole Log

From	To	Title	Description
			50cm appears like it is similar to the next MI unit (sudden change in brecciation and black qtz infillling), but contact put along MV for simplicity's sake.
227.65	232.50	Syenite	Grey, fine-medium grained mafic Syenite, homogeneous. Visible mineralogy (phenocrysts) consists of moderatly altered amphibholes and intensel chloritized pyroxenes varying form sub-mm to 0.5cm in grain size. 1-2% qtz/carb stringers and fractures fills that are usually present as mid- to high-angled. Fracture fills may appears whispy and discontinuous. Barren to trace disseminated Py. Upper contact is sharp but irregular/undulating. Sharp lower contact at 26.4 dTCA. Cross-cutting previous unit.
232.50	284.50	Mafic Intrusive	Majority is grey, to dark grey MI. Unit is generally fine-medium-grained and somewhat equigranular where visible and homeogeneous. Some small zones of coarser grained and hypidiomorphic (like AGAB) texture with diffuse boundaries, particularly from 241-244.5 and 266-267.5m. Contains very weak to weak patcghy chloritization and/or silicification throughout but very weak to moderate patchy ser alt from 263m.. Unit is coherent, yet 15-20% is fractured with a flooding of black hard material (silica +/- graphite and chl or maybe tourmaline?). Latter appears throughout or in stronger sections that can appear ductilly sheared. 2-3% qtz/carb stringers, veins, fracture fills throughout, ranging from 20-80 dTCA, but predominantly from 30-50 dTCA. The following graphitic fault zone is followed by small ductile shr/foliation. Gradational change from trace disseminated Py to 1-2% fine-grained following fracture fills, qtz/carb stringers and contacts of black infilled material by 264m and increasing to 2-3% afterwards until the end with ocassional Py stringer. Lower contact is gradational with sudden loss in brecciation/black infilling.
284.50	286.20	Fault Zone	Significant brecciation fault zone that appears to have been later remelted and ductilly deformed, yet still clast supported with graphitic (+gouge) fracture surfaces. Most intense zone (texturally destructive) from 284.50-286.30m. Possible pre-deformation 5-10cm qzt/carb vein from 285.20-285.35m. Beta angle could not be measured. Alpha averaged.
286.20	289.80	Mafic Intrusive	This unit is the extension of the preivous MI unit. Fault zone was broken out after later consideration and logging. See litho unit description from 232.50-286.40m to see all details
289.80	352.93	Mafic Intrusive	Grey, to dark grey to slightly greenish. Generally fine-medium-grained and relatively equigranular where visible, and homogeneous. Unit ranges from very weak to weak pervasively chlorite atlered, It appears to be very weakly bleached/cloudy (sil alt?) from 315-332m but stronger within shr zone. Moderate clastic shearing from 320.1-321.1m

Detailed Drill Hole Log

From	To	Title	Description
			with qtz+chl infilling and moderate sil alt. 2-4% qtz/carb stringers, veins and fracture fills throughout with an average angle of 30-50 dTCA, and may be weakly chloritized (+/- ser) in stronger chl altered zones. Occasional undulating/whispy chl fracture fills for 9m after shr zone. Lower contact is subjective/gradational but placed where there is an increase in grain size (AGAB). Generally trace to barren dissemianted/small bleb of Py throughout, but multiple 10-30cm zones of higher Py conc. as medium-grained blebby or as very-fine-grained stringers (see min tab).
352.93	371.05	Mafic Intrusive	Grey, to dark grey to slightly greenish. This unit alternates (with gradational boundaries) between medium-grained and coarse-grained zones (like AGAB). Coarse zones appear hypidiomorphic but more or less homogeneous thorughout. Unit ranges from very weak to weak pervasively chlorite atlered. Lamprophyric dyke from 361.27-361.77m with sharp UC at about 70 dTCA and sharp undulating LC, with darker foliated haloes. Contains 2-3% qtz/carb stringers and veins at 15-30 dTCA or 50-70 dTCA, where the former can be undulating/whispy and the latter appears as pinch-and-swells within thae last 6m. About 1% fine-grained dissemianted Py, often associated with qtz/carb stringers, starting from 363m. 2-3% very-fine-grained Py within the last meter, associated with what appears to be stringer-like ser alt? Lower contact relatively sharp at about 60-70 dTCA with the start of fault zone.
371.05	372.20	Fault Zone	Significant texturally destructive fault zone. Possible multiple deformation periods. Appears to have indistinctive angular breccias that have been later ductilly deformed. Appears to be composed of healed gouge and this black material that may very well be graphite (patchy hard areas). Graphitic fracture surfaces. Possible pre-deformation qzt/carb veining, as breccias appear whiter/silicifed. Pink vuggy qtz/carb dyke with sharp UC/LC at 60-70 dTCA from 371.16-371.62m. Contains about 5-8% fine-grained stringers of Py throughout affected by deformation. Beta angled cannot be measured. Averaged alpha angle measured. SG cannot be measured.
372.20	389.35	Mafic Intrusive	A continuation of the previous MI unit from 352.93-371.05m: Grey, to dark grey to slightly greenish. This unit alternates (with gradational boundaries) between medium-grained and coarse-grained zones (like AGAB). Coarse zones appear hypidiomorphic but more or less homogeneous thorughout. Unit ranges from very weak to weak pervasively chlorite atlered. Moderate to strong pervasive stringer-like (possibly pre-deformation) ser alt form beginning to 373m. From beginning until 373.25m, it is moderatly to stongly ductilly

Detailed Drill Hole Log

From	To	Title	Description
			sheared. Contains 2-3% qtz/carb stringers and veins at 15-30 dTCA or 50-70 dTCA, where the former can be undulating/whispy. Barren to trace dissemianted Py throughout, but 1-2% very-fine-grained Py (+/- trace chalco) asssociated with ser alt until 373. Lower contact relatively sharp at 50-60 dTCA with sudden change in compostion and apparent faulting.
389.35	390.15	Fault Zone	SImilar to fault zone from 371.05-372.20m. Significant texturally destructive fault zone with possibly multiple deformation periods.. First 20cm is a clast-supported qtz breccia with carb infilling, followed by what appears to be indistinctive angular breccias that have been later ductilly deformed. Majority of this section is composed of healed gouge (that is vuggy) black material that may very well be graphite. About 5-10cm of rubble before and within ductile zone. Graphitic fracture surfaces. Possible pre- and post-deformation qzt/carb veining, as breccias appears whiter/silicifed. Later stage veining appears slightly pinkish. 10cm of 1-2% discontinuous stringers and blebs of Py within breccia zone. About 1% sphalerite or Py thin stringers within ductile zone. Beta angled cannot be measured. Averaged alpha angle measured. SG cannot be measured. UC and LC are relatively sharp at 60 and 35 dTCA, respectively.
390.15	411.85	Mafic Intrusive	Greyish, slightly greenish or yellowish variably textured MI unit. It is typically medium-grained but can range up to coarse-grained in some zones (like AGAB). Coarse zones appear hypidiomorphic, yet equigranular. Significant breccia zone from 396-399.6m that is dominantly qtz/carb/chl infilled + graphite near the beginning, as well as a possibly ductilly deformed zone from 408.90-409.70m. Unit ranges from very weak to weak pervasively chlorite atlered and patchy weak to mod. ser alteration zones throughout + patchy weak to mod. fuschite alt from 406-409.60m. The strongest alteration are usually seen within shr zones. 1-2% qtz/carb stringers at 60-70 dTCA until major shr zone, and afterwards about 1-2% qtz/carb veins/stringers at about 30-40 dTCA. 2-3% chl fracture infilling clusters at variable angles after shear zone aswell. Trace to barren Py throughout but about 1-2% Py within major shear zone, as elongated blebs or discontinuous stringers with euhedral crystals, usually associated with chl infilling. Lamprophyric dyke from 392-392.30 with sharp UC/LC at 30/70 dTCA, respectively. Lower contact is sharp with intruding lamprophyre at about 40-45 dTCA.
411.85	420.10	Lamprophyre	Dark grey, with a very faint tint of pink/red, fine-grained, homogoneous lamprophyre. Groundmass is equigranular, but with typical pheoncrystic subhedral to euhedral biotite

Detailed Drill Hole Log

From	To	Title	Description
			crystals that are typically fine-grained but can be up to 3mm in size. Pinkish/reddish hue is probably due to some very weak pervasive kspar or hem alt. A few sporatic xenocrystic coarse-grained pink granitic clasts that are generally 5-7cm in size, and are usually somewhat elongated with a general trend similar to fracture fills and with some small degree of foliation of crystals within xenocrysts. From 418-418.15m, 6cm wide hematized qtz vein at about 40-50 dTCA, with 3-5% fine to medium-grained euhedral Py, following healed fractures. 1-2% diconstinuous/irregular qtz/carb frature fills and small stringers throughout. Trace to 1% fine-graind euhedral disseminated Py through - can also be seen within xenocrysts. Lower contact is slightly diffuse and irregular with qtz/carb at about 80-90 dTCA.
420.10	460.20	Archean Gabbro	Grey, slightly greenish AGAB. Typically coarse-grained (but can range to medium-grained in some small setions), hypidiomorphic and homogoeneous. Subjective patchy to pervasive very weak chl alt throughout. Lamprophyric dyke similar to previous unit (411.85-420.10m), with sharp UC and slightly diffuse LC, at about 25 and 10 dTCA, respectively. About 2% ser (+/-chl) altered qtz/carb stringers and fracture fills at about 70-80dTCA throughout, and second set of about 1% relatively fresh qtz/carb stringer and veins at about 20-30 dTCA. Possible small chl/ser altered very weak shr/BX from 434.25-434.40m. Majority is barren thoughout, perhaps sporatic spec of Py throughout, but with about 2% coarse-grain Py blebs from 437.65-437.90m. Sharp lower contact with another LAMP dyke at about 20-30 dTCA.
460.20	461.45	Lamprophyre	SImilar to previous Lamprophyric dyke from 411.85-420.10. Dark grey, with a very faint tint of pink/red, fine-grained, equigranular, homogoneous lamprophyre. Pinkish/reddish hue is probably due to some very weak pervasive kspar or hem alt. 1-2% qtz/carb stringers at about 50-60 dTCA with minor hem alt and chl inflling. Only some trace Py found along UC. UC and LC sharp at about 30 and 40 dTCA, respetively. 0.2-0.3cm of qtz/carb found along UC.
461.45	470.94	Archean Gabbro	Continuation of previous AGAB unit from 460.10-460.20m Grey, slightly greenish AGAB. Typically coarse-grained (but can range to medium-grained in some small setions), hypidiomorphic and homogoeneous. Subjective patchy to pervasive very weak chl alt throughout. About 2% ser (+/-chl) altered qtz/carb stringers and fracture fills at about 70-80dTCA throughout, and second set of about 1% relatively fresh qtz/carb stringer and veins at about 20-30 dTCA. Majority is barren thoughout, perhaps sporatic spec of Py

Detailed Drill Hole Log

From	To	Title	Description
			throughout. Sharp lower contact with FLTZ at about 45 dTCA.
470.94	471.75	Fault Zone	Significant texturally destructive fault zone, predominantly composed of black (graphitic) silicifed material with moderate foliation/trend of ductile shearing. First 30cm is alternating between layers of host rock and infilling of this graphitic material. Graphitic fracture surfaces. Appears to be a 1.5cm qtz/carb vein near the middle, followed by a couple of thin stringers, all following foliation trend. UC is sharp at about 45 dTCA, but lower contact is irregular and slightly diffuse, difficult to get proper angle. 3-5% Py predominantly assocaited with graphitic carb, typially as fine-grained foliated blebs, and disseminated. A 1.5-2cm wide zone of clustered medium to coarse-grained euhedral Py surrounding barely identifiable discontinuous qtz/carb stringer, after previous stringers mentioned.
471.75	475.75	Archean Gabbro	Continuation of previous AGAB unit from 461.45-470.94m Grey, slightly greenish AGAB. Typically coarse-grained, hypidiomorphic and homogoeneous. Weak to mod. pervasive chl alt, also appears slightly cloudy, whiter within last 1.5m - maybe some small degree of sil or ser alt. Also appears very slightly brecciated with chloritic/qtz infills. A couple of low-angled qtz/carb fracture fills. Some minor foliaton trend can be measured from 475 -475.40m. Barren of mineralization. Sharp lower contact with another FLTZ at about 45 dTCA.
475.75	476.75	Fault Zone	Significant texturally destructive fault zone with possibly multiple deformation periods. Appears slightly brecciated within first and last 20cm but predominantly ductily foliated/trend. Majority of this fault zone is composed of silica altered black graphitic material. Graphitic fracture surfaces. Healed gouge of same composition 476.30-476.40m. Possible pre- and syn-deformation qzt/carb veining, as breccias appears whiter/silicifed. 2-3% as fine-grained, as small blebs, and as discontinuous hairline fracture infills, all typically following shear trend/foliation - majority found before gouge section. UC and LC are relatively sharp at 45 and nearly 90 dTCA, respectively.
476.75	485.55	Archean Gabbro	Continuation of previous AGAB unit from 471.75-475.7m. Grey, slightly greenish, hypidiomorphic and homogoeneous AGAB. Typically coarse-grained, but can decrease to medium-grained in some zones as it gets nearer to contact. Very weak to weak pervasive chl alt. Relatively barren of mineralization. Just some blebs seen rimming some qtz/carb discontinuous/pinched stringer from 482.70-482.75m. 1-2% qtz/carb stringers and fracture fills, predominantly found at 10-30 dTCA. Some sporatic clusters of undulating chl

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From	To	Title	Description
			thin stringers. Lower contact is relatively sharp with MI below at approxinmately 50-60 dTCA.
485.55	588.65	Mafic Intrusive	Greyish, slightly greenish MI unit. Unit is predoimantly medium-grained to fine-grained, but appears slightly coarser from 540-546m. Relatively equigranular and homogeneous throughout. Multiple zones of weak to mod. pervasive chl alt (especially within first 5m) usually assocciated with clustering of chl stringers or shr zones, otherwise weak patchy to pervasive chl alt. Mod silcification from 587.50-588.65m. Majority is 1-2% qtz/carb stringers, fracture fills and veins at about 20-40 dTCA with occasional very weak kspar alt, increasing to 3-5% stringers and veins from 577-588.65m. Sporatic whispy chl/ser altered thin stringers, typically at higher angles, and often seen in 5-50cm clusters giving it a weak ductile shr texture, predominantly seen until 498m and stops around 541.5m. Some degree of clastic/ductile shearing (with multiple deformation periods) from 547.15-548.50m. Trace to 1%, sporatic Py (+ Pyr which is the reason of higher magsus, +/- rare chalco) disseminated + sometimes seen with qtz/carbs stringers, until 581m. Gradually increasing to 2-3% fine-grained euhedral disseminated Py + often associated with qtz/carb stringers until 588.85m.UC and LC contact are sharp at 50-60 dTCA and 30-40 dTCA.
588.65	595.75	Archean Gabbro	Grey to green AGAB.. Typically medium- to coarse-grained and homogeneous. Weak to moderate pervasive chl from 588.65-590.60m and moderate to strong perasive chl until 595.75m. Grains/minerals are difficult to discern in more storngly chl altered rock. The stronger chl altered zone appears to contain 5-6% webby dark chl +/- carb infilling, but is predominantly seen within first the 1.5-2m of this zone. Some degree of very weak to weak foliation of grains (that are somewhat rounded/anheral) within less altered zone - the foliation is stronger around and likely associated qtz/carb srtringers and fracture fills intruding. 3-5% undulating qtz/carb stringers and fracture fills at varying angles within less altered zones. About 2-3% qtz/carb deformed/ireregular and discontinuous stringers within less altered zone. About 1-2% fine-grained dissemianted Py from 588.85-589m, otherwise barren throughout unit. UC contact is sharp at about 30-40 dTCA, but lower contact is gradational 70cm, with gradaully weakening chl alt. About 0.5cm of gouge from 595.41-595.43m at about 80 dTCA.
595.75	635.40	Ultramafic	Dark grey to black, fine- to very-fine grained, homogeneous, UMV unit. Moderate to strong pervasive talc (greasy feeling and very soft) alteration throughout. Some very weak

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From	To	Title	Description
			pervasive chlorite alt from 633-635.85m. 5-6% Webby network of irregular/undulating qtz/carb stringers (+ occasional 3-5cm wide vein) throughout, that are often weakly chloritized causing the unit to have a coherent brecciated appearance. Larger clusters of veins/stringers can appear weakly sheared and ductilly foliated (especially from 619.90-620.20m). About 3-5cm of chloritic altered gouge from 634.20-623.25m. Some moderate foliation within the last 45cm with grain coarsening to medium-grained, as similar angle to LC. Trace to 1% disseminated fine-grained euhedral Py throughout. Last 40-50cm contains some spinifex texture indicative of UMV. UC is gradational but lower contact is generally sharp at about 35-40 dTCA.
635.40	654.80	Mafic Intrusive	Grey to greenish, medium to coarse-grained, homogeneous, MI unit. First 1.5-2m appaears coarser - nearly AGAB looking but gradually decreases to medium-grained throughout. Moderate pervasive chl alt within the first 2m, gradually weakening until 643, and appears very weak to pretty much absent afterwards. First 5-6m of unit, as well as as last 3-5m of unit, appears to have some weak degree of foliation that can be measured at 20-40 dTCA. 1-2% qtz/carb stringers throughout at angles of 50-70 dTCA. A few 1-3cm wide qtz/carb veinst throughout at angles of 10-30 dTCA + <1% stringers at similar angles. Some minor chl / ser alt can also be seen associated with these stringers and viens. A significant zone of qtz/carb 643.65- 644.60m, which contains about 4-5% very fine-grained euhedral Py as dissemianted and fracture infilling. Otherwise 1-2% fine- to medium-grained euhedral dissemianted Py thoughout, often seen rimming qtz/carb veins, and present in higher concentrations within the 1m before and after the significant qtz/carb vein. Upper contact is generally sharp at 35-40 dTCA and lower contact is sharp at about 50-60 dTCA.
654.80	655.95	Dyke	Dyke - beigish orange fine- to medium-grained, homogeneous, Lamp - felsics? This unit is pretty subjective as it consists of moderate to strong sericite alteration, as well as moderate silicifcation (hard). If it is a LAMP, then it is likely due to the alteration that is does not effervesce. Only thing that is distinguishable/definitive is that it contains abundant acicular/elongated blackish/greenish minerals throughout, usually sub-mm in size - possibly amphiboles. Contains 5-6% qtz/carb stringer and fracture fills throughout, with <1cm stronger ser alt haloes +/- chl infilling. From 655.60-655.80m, contains abundant silcified black material (chl?) and brecciated qtz. This is preceded and followed by 3-5cm of multiple events of qtz infilling. Drusy pinkish carb along contact from

Detailed Drill Hole Log

From	To	Title	Description
			655-81-655.82m. About 2-3% dissemianted Py increasing to 5-6% after 655.60m, often see following and rimming qtz/carb infills. Upper contact is sharp at about 50-60 dTCA and lower contact is sharp, yet undulating, at 30-40 dTCA.
655.95	662.00	Mafic Intrusive	Grey to greenish, medium to coarse-grained, homogeneous, MI unit. Very weak to absent pervasive chlt alt. From 655.965-658.75, unit has a weak shear texture/fractured coherent texture due to 5-8% webby undulating qtz/carb fracture fills and stringers. Decreases to 2-3% whispy/discontinuous (+lesser webby) qtz/carb stringers. Measurabled stringers are often ast 20-30 dTCA. These stringers/FFs can be weakly ser/chl altered(especially within first meter). Multiple qtz stringers from 558.50-549m at angles from 70-80 dTCA appear mod. to strongly hem altered. Trace disseminated Py, predominantly within the first 1.5m. Upper contact is sharp at about 30-40 dTCA, lower contact is gradual and subjective.
662.00	678.95	Ultramafic	Dark grey to greenish generally fine- to very-fine grained, homogeneous, UMV unit. Not very similar to previous to previous UMV unit. The most indicative texture proving thats its UMV are localized zones of spinifex texture and lesser weak to very weak talc alt (not as greasy and soft) alteration throughout, but moderate to strong in between gouged zones (see below). Very weak to veak pervasive chl alt. This UMV is not as webby with qtz/carb like the previous. There are about 1-2% irregular/undulating/disconstinuous stringers until 674m, that can be weakly hematized. But after 694m, there is an increase again to 5-6% webby network of qtz/carb stringers. However, the latter appears to be weakly to moderately foliated parallel gouged zones. From 676.70-678.95m, about three 10-20cm wide chl healed gouge zones at about 30-40 dTCA, with lesser gouge seen among many fracture surfaces. Barren to trace dissemianted Py until 667.50m. Lower contact is subjective and diffuse, but placed after last fracture with gouge, and suddden increase in grain size and chl alt.
678.95	713.85	Mafic Volcanic	Green-green fine- to medium-grained, homogeneous MV. This MV is variolitic that are 0.1-0.5cm in size, which is more distinctive after 695m. Unit begins with weak to moderate pervasive chl alt and gradually increases to 689m and becomes moderate to strongly pervasive chl afterwards. This alteration looks banded/alternating because varioles are often a brighter green and harder (less chl alt or sil alt?), whereas the rest is a darker green. From 678.95-705m, varioles and crystals in some small sections can look a bit foliated at times, similar to qtz/carb trends/angles. Contains about 2-3%% webby hairline fracture fills of chl +/- carb. About 2-3% qtz/carb stringers and fracture fills,

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From	To	Title	Description
			decreasing to 1-2% after 700m, typically at 50-60 dTCA that are often undulating/discontinuous/webby and occasionally seen with very weak hem/chl alt. Barren to trace disseminated Py, often seen following chloritic infills. A couple of LAMP dykes are seen from 689.8-690.05m and 693.85-694.05 with contacts of 70-80 dTCA. Upper contact is slightly diffuse and subjective, lower contact is sharp at about 70-80 dTCA.
713.85	716.20	Lamprophyre	Dark grey, with a very faint tint of pink/red, fine-to medium-grained, equigranular, homogeneous, effervescent, lamprophyre. Pinkish/reddish hue is probably due to some very weak pervasive kspar or hem alt. 1-2% discontinuous/irregular qtz/carb stringers and fracture fills at about 10-30 dTCA, that are often weakly kspar altered. Trace disseminated Py. Upper contact is sharp at about 70-80dTCA and lower contact is slightly irregular at about 30-40 dTCA.
716.20	745.80	Ultramafic	Dark grey to black, fine- to very-fine grained, homogeneous, UMV unit. Moderate to strong pervasive talc (greasy feeling and very soft) alteration throughout. Very weak patchy chl alt, more or less associated with contacts and gouged locations. 5-8% Webby network of irregular/undulating qtz/carb stringers throughout, that are sometimes very weakly chloritzed causing the unit to have a coherent brecciated appearance. Some localized clusters appear weakly clastically sheared and foliated (especially from 721.80-722.3m and). A couple of lamprohyric dykes from 772.30-722.60m and 727.4-727.6m. A 10cm healed gouge section from 730.10-730.25, where 1-2m before and after, some minor gouge can be seen along some fracture surfaces. 5cm healed gouge section along UC and a few within moderately foliated zone from 743-745.80m. Barren to trace Py throughout, but from 740-740.20m, 2-3% clustering of coarse-grained blebby Py in weakly sheared zone. Upper contact is sharp, yet irregular at about 30-40 dTCA and lower contact is gradational and subjective. LC placed where chl alt begins to gradually increase and and foliation generally ends.
745.80	774.40	Mafic Volcanic	Grey-green fine- to medium-grained, homogeneous MV. This MV is variolitic that are 0.1-0.5cm in size. Unit is moderatly to stongly pervasive chl alt. This alteration looks banded/alternating because varioles are often a brighter green and harder (less chl alt or selective sil alt?), whereas the rest is a darker green. Variolitic zones and crystals can look a bit foliated at times, similar to some qtz/carb trends/angles (seen below). Contains about 1-2%% webby hairline fracture fills of chl +/- carb. About 1-2% qtz/carb stringers

Detailed Drill Hole Log

From	To	Title	Description
			and fracture fills, varying between 30-60 dTCA that are often undulating/discontinuous/webby. Barren to trace disseminated Py, often seen following chloritic infills. A LAMP dyke observed from 770.8-771.7 with sharp UC at 20-30dTCa and slightly diffuse LC at about 80dTCA. Upper contact is gradual and subjective, lower contact is slightly diffuse ending with about 1 meter of preceeded weak foliation.
774.40	822.50	Mafic Intrusive	Greyish, slightly greenish MI unit. Unit is predominantly medium-grained to fine-grained. Relatively equigranular and homogeneous throughout. Very weak to weak pervasive chl alteration but mod. patchy usually assocciated with clustering of chl stringers or shr zones. From 778-801m, 2-3% chl/ser altered slightly whispy stringers, typically at higher angles with occasional 5-30cm wide chl stringer clusters which can have a weak ductile shear-like/foliation texture. Beginning with about 1% and increasing to 2-3% after 798m, generally unaltered qtz/carb stringers and fracture fills, typically seen at angles of 40-60dTCA. The latter can be weakly hem altered. A larger 4cm wide qtz/carb vein at 10-20 dTCA can be seen from 796.65-797.05m. Very small LAMP dyke from 788.80-788.95m with sharp UC/LC at 20-30 dTCA. About 1% disseminated fine-grained euhedral Py from 788.3-790.5m. A few Py specs seen along the rim of a stringer at 818.25m. Slightly diffuse upper contact at about 50-60 dTCA, lower contact is sharp with LAMP dyke at about 60-70 dTCA.
822.50	824.35	Lamprophyre	Dark grey, fine-to medium-grained, equigranular, homogoneous, effervescent, lamprophyre. Less than 1% hairline qtz/carb fracture fills at 50-60 dTCA. A 1cm wide pinkish qtz/carb vein at 822.94-822.98m at about 50-60 dTCA. Trace disseminated/very small blebs of Py throughout. Sharp UC/LC contact at about 60-70 dTCA.
824.35	857.05	Mafic Intrusive	Continuation of previous MI unit from 744.40-822.50. Greyish, very slightly greenish MI unit. Unit is predoimantly medium-grained to fine-grained, relatively equigranular and homogeneous throughout. Very weak to absent chl alteration. Network of 2-3% webby qtz/carb fracture fills and stringers with varying angles of 20-80 dTCA but with a common trend of about 30-40dTCA. These can be weakly to moderately hematized (and/or weakly ser/chl alt), and can also appear in small clusters. LAMP dyke from 847.65-848.20m, with sharp UC/LC at angles 60-70 dTCA. A 4cm wide zone from 849.75-849.85m of hem altered qtz/carb veining containing large angular brecciated host rock clasts. Weak BX/shr zone from 837.15-837.45m. Trace to 1% disseminated very fine- to fine-grained Py, often seen within small clusters of hem altered stringers. About 2-3% dissminated/blebby from

Detailed Drill Hole Log

From	To	Title	Description
			848.20-848.50m after LAMP dyke. Py Sharp UC at about 60-70 dTCA and gradational LC placed where the is gradational increase in grains size and the beginning of ser altered stringers.
857.05	894.00	Archean Gabbro	Grey, to dark grey AGAB. Medium- to coarse-grained, hypidiomorphic and homogoeneous where visible. Unit is not pervasively chl altered like other units - if so very weak to absent patchy chl. Moderate to strong chl/epi/sil (+/- ser/fuschite) alteration of fault zones. 2-4% weakly-mod sericitized qtz/carb stringers (+/- small chl haloes) throughout typically at 30-50 dTCA and lesser at 70dTCA. Some clustered zones of the latter can appear weakly sheared. About 2-3% fine-grained and blebby Py following fracture infills and foliation within qtz/carb zone at the end of major fault zone (870.35-870.50m).4-5% Py found following and around a qtz/carb stringer from 874.10-874.35m. Otherwise a few patches of trace-1% disseminated py (usually found with nearby qtz/carb stringers) + occasional Py small bleb until the end. Upper and lower contact are both gradational and are placed where there is increase in grains size and the beginning/ending of ser altered stringers. - 865.20m marks beginning of moderately foliated sericitized (weakly chloritized zone) until 866.70. Followed by weakly ser altered multi-generational qtz brecciated zone that is rubbled until 868.20m. Unit is then moderatly to strongly chl/epi/sil (+/- ser and fuschite) altered until 870.50m with webby hairline chl infilling, all crosscut by later qtz/carb stringers and where the first and last 30cm are heavily brecciated/healed faulted with qtz veining. - 880.95-881.70m another mod/strongly chl/ep/sil (+/- ser and fuschite) altered fault zone. Contains a 6-8cm wide clast of host rock near the beginning. Crosscut by 3cm wide milky qtz vein near the end. Chl and qtz/carb fracture infills present as well.
894.00	925.40	Archean Gabbro	Grey, slightly greenish AGAB. Typically coarse-grained (but can range to medium-grained in some small setions), hypidiomorphic and homogoeneous. Some spinifex-looking texture from 915.45-916m, where it appears to be abundant in multiple mm-sized elongated pyroxenes. Very weak to weak pervasive insterstitial chl alt throughout. A weak brecciation/shr(fracture-coherent) zone with chl infill from 910.65-910.82m. About 1-2% Qtz/carb stringers and fracture fills, commonly seen at 30-40 dTCA or 60-70 dTCA. Trace disseminated Py throughout unil 923.90m but 2-3% fine-grained disseminated Py seen from 923.90-924.30 and within 15cm of the lower contact. Upper contact is gradational

Detailed Drill Hole Log

From	To	Title	Description
			and is defined by the sudden decrease/absence of ser altered stringers. Lower contact is sharp at about 60-70 dTCA.
925.40	926.85	Lamprophyre	Dark grey, fine-to medium-grained, equigranular, homogoneous, effervescent, lamprophyre. Less than 1% hairline qtz/carb fracture fills at 50-60 dTCA. A 1-1.5cm wide qtz/carb vein with very weak ser at 926-926.22m at about 15-20 dTCA. Trace to 1% disseminated and occasional very small bleb of Py throughout. Sharp UC/LC contact at about 60-70 dTCA.
926.85	969.00	Archean Gabbro	A continuation of AGAB from 894925.40m. Grey, slightly greenish AGAB. Typically coarse- to very coarse-grained (but can range to medium-grained in some small setions), hypidiomorphic and homogoeneous. Weak to moderate pervasive insterstitial chl alt throughout. Appears cloudy from 926.85-939 - weakly silcified (+harder), gradually weakening within last 3m. 1-2% Qtz/carb stringers and fracture fills throughout, typically at about 20-40 dTCA and a few low-angled ones that are weakly k-spar altered with mineralization. Weak to moderate foliation seen from 731-731.20m, containing weak to moderate ser alt. Contains alternation of AGAB and LAMP with diffuse contacts (apart for the ones at the ends) from 930.40-932.25, but predominantly composed of LAMP. Trace to 1% disseminated Py + sporatic small Py bleb. About 1-2% Py can be seen following a couple of pinkish qtz/carb stringers. Upper contact is sharp at about 60-70 dTCA.

Alteration

From	To	Overall St...	Description
1.31	3.15	Very Weak	Very weak to weak patchy CHL alteration, typically associaterd with AGAB zones
3.15	3.40	Moderate	Moderate patch of ser alteration
3.40	22.25	Weak	Very weak to weak patchy CHL alteration, typically associaterd with AGAB zones
22.25	22.55	Moderate	Patch of moderate silicifcation
22.55	35.22	Weak	Very weak to weak patchy CHL alteration, typically associaterd with AGAB zones, lesser stringer-controlled ser/chl alt
35.22	72.00	Weak	Contains subjective very weak to weak patchy chl alt (+/- minor ser alt) often associated with AGAB or finer-grained zones. Occasional sringer-controlled weak chl/ser alt (+/- minor k-spar altered within AGAB)
72.00	82.35	Weak	Weak patchy CHl alteration, becomes more pervasive wihtin last 1-2m because of follosing shear zone
82.35	84.75	Moderate	Brecciated, ductile shear zone is weakly ot moderately ser/chl altered +/- presence of fuschite alt
84.75	91.16	Very Weak	Very patchy chl alt
91.16	91.65	Moderate	15cm chloritic zone - shear or vein(?) that has 7-10cm of moderate silficiation haloes
91.65	126.00	Very Weak	Very weak subjective patchy chl alt
126.00	145.00	Weak	Weak pervasive chl alteration +/- very minor bleahing
145.00	157.16	Very Weak	Very weak/debatable patchy chl alt
157.16	168.00	Very Weak	Very weak, subjective patchy chl alteration. Stringer-controlled weak-mod. chl/ser alteration
168.00	175.00	Weak	Very weak, subjective patchy chl alteration. Weak patchy silicification, stronger from 170.55-170..90m.
175.00	189.50	Very Weak	Very weak, subjective patchy chl alteration. Stringer-controlled weak-mod. chl/ser alteration as its getting nearer to chl altered zone.
189.50	192.00	Moderate	Weak to moderate pervasive alteration of this brecciate zone as chl infilling (becoming healed matrix). Probably some degree of minor silicifcation as it is not very soft. Stringer-controlled weak-mod. chl/ser alteration
192.00	198.15	Very Weak	Very weak, subjective patchy chl alteration
198.15	215.50	Weak	Qtz/carb stringers may be weakly ser/chl altered
215.50	227.65	Weak	Weak patchy silicification. Occasional weak ser/chl alt of qtz/carb stringers
227.65	232.50	Strong	Moderate ser alt of amphiboles and strong chl alt of pyroxenes
232.50	263.00	Weak	Very weak patchy silficiation and chl
263.00	282.00	Weak	Weak patchy chl/sil and very weak patchy, subjective ser alt
282.00	284.50	Moderate	Weak to moderate patchy chl/sil/ser alteration. Stronger surrounding fault zone.
284.50	286.20	Weak	Weak to moderate patchy chl/sil/ser alteration of fault zone.
286.20	289.80	Weak	Weak to moderate patchy chl/sil/ser alteration.
289.80	302.00	Weak	Very weak to weak pervasive chl alteration. qtz/carb stringers may be weakly chlortized
302.00	315.00	Very Weak	Very weak to indistinct pervasive chl alt. qtz/carb stringers may be weakly chlortized

Alteration

From	To	Overall St...	Description
315.00	332.00	Moderate	Weak to bleaching/cloudy pervasive alt (sil?), but moderate within shr zone 320.10-321.05m. Weak to very weak pervasive chl alt. qtz/carb stringers may be weakly chloritized
332.00	352.93	Very Weak	Weak to very weak patchy to pervasive chl alt.
352.93	371.05	Very Weak	Very weak to weak pervasively chlorite altered
371.05	372.20	Moderate	Weak patchy sil of graphitic black matieral. Breccia clasts seems to be of silica composition
372.20	373.25	Moderate	Weak pervasive chl and moderate ser pervasive alt, where the latter appear ductilly deformed and associated with Py
373.25	389.95	Very Weak	Very weak to weak pervasive chl altt
389.95	390.15	Moderate	Very weak patchy sil of graphitic black material. Breccia clasts seems to be of silica composition
390.15	391.35	Moderate	Moderate gradationally weakening pervasivve ser alt and very weak chl alt
391.35	396.00	Very Weak	Very weak perasive chl alt
396.00	399.60	Strong	Moderate pre-brecciation ser alteration + weak pervasive chl and with later-stage ser stringers near the end. Patchy silicification, often stronger near qtz/carb infilling.
399.60	406.00	Moderate	Weak to very weak pervasive chl alt, patchy ser alt. qtz.carb veins may be weakly chloritized as well
406.00	411.85	Moderate	Weak pervasive chl alt + qtz/carb stringers may be weakly chloritized. Patchy weak to mod. fuschite alt + stringer-like mod. ser alt. The two latter are stronger associated with shr zone from 408.90-408.70m.
411.85	420.10	Very Weak	Very weak pervasive hem or kspar alt? redish to pinkish hue
420.10	460.20	Weak	Very weak to weak pervasive chl alt + stringer-controlled weak to mod. ser/chl alt throughout
460.20	461.45	Very Weak	Very weak pervaisve kspar or hem alt?
461.45	470.94	Weak	Very weak to weak pervasive chl alt + stringer-controlled weak to mod. ser/chl alt throughout
470.94	471.75	Moderate	Moderate silicification predominantly of the graphitic black material within FLTZ
471.75	474.00	Weak	Weak to moderate pervasive chl alt
474.00	476.25	Weak	Weak pervasive chl alt + weak sil or ser alt - kinda whiter/cloudy lookig
476.25	476.75	Moderate	Moderate silicification predominantly of the graphitic black material within FLTZ
476.75	485.55	Weak	Some very weak to weak pervasive chl alt.
485.55	498.00	Moderate	Moderate pervasive chl gradually decreasing to weak/absent. Strong in areas of clustering of chl stringers
498.00	539.00	Weak	Very weak to weak patchy to pervasive chl alt. Stronger alt often seen with chl stringers clustering with +/- ser alt
539.00	551.00	Moderate	Weak to moderate patchy to pervasive chl alt. Stronger alt often seen with chl stringers clustering/shearing with +/- ser alt
551.00	587.50	Very Weak	Very weak to weak patchy to pervasive chl alt
587.50	588.65	Moderate	Moderate pervasive silicification
588.65	590.60	Moderate	Weak to moderate pervasive chl alt

Alteration

From	To	Overall St...	Description
590.60	595.75	Strong	Moderate to storng pervasive chl altered, making minerals difficult to discern in stronger zones. Can also see chl as webby hailrine fracture infilling
595.75	633.00	Moderate	Moderate to strong pervasive talc alteration
633.00	635.40	Moderate	Moderate pevasive talc alt and weak chlorite alt
635.40	643.00	Moderate	Moderate pervasive chl alteration withinthe first 2m of unit, gradually weakenening until 643m. Some possible, very weak chl/ser can be seen associated with qtz/carb stringers and veins
643.00	654.80	Very Weak	Subjective, nearly absent very weak chl alt
654.80	655.95	Strong	Moderate ser alt, strong as haloes of qtz/carb stringer and moderate silcification (hard)
655.95	662.00	Weak	Very weak to absent pervasive chl alt. +/- weak ser/chl/hem alt assocaited with qtz/carb stringers. Strong hem alt of high angled stringers from 558.50-559
662.00	676.70	Weak	Weak to very weak pervasive talc alt and very weak to weak chl alt +/- weak hem seen along some qtz/carb stringers
676.70	678.95	Moderate	Moderate to strong pervasive talc alteration and very weak to weak chlorite alt
678.95	689.00	Moderate	Weak to moderate pervasive chl alteration
689.00	713.85	Strong	Moderate to strong pervasive chl. Chl alt looks alternating/banded because varioles are often a brighter green and harder. + occasional weak hem/chl of qtz/carb stringers
713.85	716.20	Weak	Weak pervasive hem/kspar alt + occasionalweak kspar alt of qtz/carb stringers.
716.20	745.80	Moderate	Moderate to strong pervasive talc alteration. Some occasional chl alt of qtz/carb stringers. Some very weak patchy chl alt, most seen near contacts or near gouged zone mid-way through unit
745.80	774.40	Moderate	Moderate to strong pervasive chl. Chl alt looks alternating/banded because varioles are often a brighter green and harder
774.40	801.00	Weak	Weak to very weak pervasive chl alt. Weak to moderate ser/chl altered stringers. +/- very minor hem alt of qtz/carb stringers
801.00	822.50	Weak	Weak to very weak pervasive chl alt +- very minor hem alt of qtz/carb stringer
824.35	857.05	Weak	Very weak to absent chl alt. Some occasional weak to moderate hem alt of qtz/carb stringerss. +/- rare very weak chl or ser alt of stringers
857.05	865.20	Moderate	Weak to moderate ser altered stringer +/- weak chloritic haloes. Strongest alt within clustered zonea
865.20	868.20	Moderate	Weak to moderate pervasive ser/chl alt of foliated and faulted/rubbled zone
868.20	870.50	Strong	Moderate to strong pervasive chl/epi/sil +/- ser alt (+/- fuschite near qtz vein near the end)
870.50	880.95	Weak	Weak to moderate ser altered stringer +/- weak chloritic haloes. Strongest alt within clustered zonea
880.95	881.70	Strong	Moderate to strong pervasive chl/epi/sil +/- ser alt (+/- fuschite near qtz vein near the end
881.70	894.00	Weak	Weak to moderate ser altered stringer +/- weak chloritic haloes. Strongest alt within clustered zonea

Alteration

From	To	Overall St...	Description
894.00	925.40	Weak	Very weak to weak pervasive interstitial chl alt
926.85	939.00	Moderate	Weak pervasive interstitial chl alt + weak to moderate silcification from 926.85-939 that is gradually weakening within the first and last 3m
939.00	951.15	Moderate	Weak to moderate pervasive interstitial chl alt

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
1.31	35.22	Qtz-Carb	35.00°		0.50	2-3% qtz/carb stringers and fracture fills that are often undulating and/or dicontinuous. They can range from 0.2-1cm in wdith. Stringers after 27m may be weakly ser/chl altered. These typically range between 20-50 dTCA. See IQ logger data for measured beta angles
35.85	72.00	Qtz-Carb	45.00°		0.50	About 2-3% qtz/carb stringers, veins and fracture fills. They range from 20-80 dTCA but are on average 30-50 dTCA. Typically about 0.2-1cm in width and some may appear undulated and/or discontinuous. Occasionally may be very weakly ser/chl altered (+/- kspar in the larger AGAB zone). Sometimes seen with 1-2% fine-grained Py in its immediate surrounding. See IQ logger data for measured beta angles
72.00	157.16	Qtz-Carb	40.00°		0.50	About 1-2% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. Stringers within shear zone may be weakly to moderately chl/ser alt (+/- fuschite alt), and occasionally very weakly chl/ser altered after 108m. Py rarely seen associated with qt/z/carb stringers.They can range between, 20-70 dTCA, but often see at 30-40 dTCA. See IQ Logger data to view beta angles measured.
157.16	198.15	Qtz-Carb	30.00°		0.50	About 1-2% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. They often vary but on average seen from 20-30 dTCA or 60-80 dTCA. The higher angled ones are often weak-mod. chl/ser alterated, especially within first 10m and near more chl altered zone. Fracture fills sometimes appear discontinuous and whispy. See IQ Logger data to view beta angles measured.
166.95	168.00	Qtz-Carb	21.00°	142.40°	10.00	About 10-12cm wide (true width) coarse-grained qtz/carb vein at about 20-30 dTCA. Followed by lower angled (10-15 dTCA) 1-2cm wide stringers, that are undulating/discontinuous. Presence of weak-mod. kspar alt + very purplish alt of qtz. Vein contains clasts of host rock and surrounding rock has a slightly brecciated appearance.
198.15	226.66	Qtz-Carb	70.00°		0.50	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-2cm wide. On average 10-30dTCA. Oftenn weak-mod. chl/ser alterated. Fracture fills sometimes appear discontinuous and whispy. See IQ Logger data to view beta angles

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
						measured.
198.15	227.65	Qtz-Carb	30.00°		0.50	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-2cm wide. On average 60-80 dTCA. Oftenn weak-mod. chl/ser alterated. Fracture fills sometimes appear discontinuous and whispy. See IQ Logger data to view beta angles measured.
227.65	232.50	Qtz-Carb	60.00°		0.50	About 1-2% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. On average 60-80 dTCA. Fracture fills sometimes appear discontinuous and whispy. See IQ Logger data to view beta angles measured.
232.50	284.50	Qtz-Carb	40.00°		0.50	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. Can range between 20-80 dTCA but on average seen between 30-50 dTCA. Fracture fills sometimes appear discontinuous and whispy. May occasoinally contain 1-2% fine-grained Py or seen along rims of stringers. See IQ Logger data to view beta angles measured.
286.20	289.80	Qtz-Carb	40.00°		0.50	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. Fracture fills sometimes appear discontinuous and whispy. May occasoinally contain 1-2% fine-grained Py or seen along rims of stringers. See IQ Logger data to view beta angles measured.
289.80	352.93	Qtz-Carb	40.00°		0.50	About 2-4% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-2cm wide. (high conc. near shr zone from 320.1-321.05). Fracture fills ofttten appear discontinuous and whispy. Alpha angles can range from 20-30 dTCA, but on average appearing from 30-50 dTCA. May appear weakly chloritized in more chlorite altered zones. See IQ Logger data to view beta angles measured.
352.93	371.05	Qtz-Carb	60.00°		1.00	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. Stringers often appear discontinuous and whispy. Alpha angles can range from 50-70 dTCA. Can be associated with about 1% fine-grained Py after 363m. Beta angle not measurable.
352.93	371.05	Qtz-Carb	20.00°		1.00	About 2-3% qtz/carb stringers, veins and fracture fills throughout,

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
						ranging from 0.2-4cm wide. The qtz/carb veins can have a pinch-and-swell appears within the last 6m. Alpha angles can range from 15-30 dTCA. Can be associated with about 1% fine-grained Py after 363m. Beta angles not measurable.
373.25	389.35	Qtz-Carb	60.00°		2.00	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-4cm wide. Stringers often appear discontinuous and whispy. Alpha angles can range from 50-70 dTCA. See IQ Logger data to view beta angles measured.
373.25	389.35	Qtz-Carb	20.00°		1.00	About 2-3% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-1.5cm wide. Stringers often appear discontinuous and whispy. Alpha angles can range from 15-30 dTCA. See IQ Logger data to view beta angles measured.
390.15	396.00	Qtz-Carb	60.00°		0.50	About 1-2% qtz/carb stringers and fracture fills throughout, ranging from 0.2-1cm wide. Stringers often appear discontinuous and whispy. Alpha angles can range from 50-70 dTCA. See IQ Logger data to view beta angles measured.
396.00	399.60	Qtz-Carb	60.00°			Qtz/carb fracture flooding with BX zone, especially within last 60cm, with general trend of 50-60 dTCA
396.60	411.85	Chl			0.30	2-3% chl fracture infilling cluster at variable angles
399.60	411.85	Qtz-Carb	40.00°		1.00	About 1-2% qtz/carb stringers, veins and fracture fills throughout, ranging from 0.2-2cm wide. Stringers and fracture fills often appear discontinuous and whispy. Alpha angles can range from 30-40 dTCA. See IQ Logger data to view beta angles measured.
418.00	418.15	Qtz	41.40°	271.00°	6.00	6cm wide moderately hematized qtz vein with irregular undulating contacts at about 40-50 dTCA, with 3-5% fine to medium-grained euhedral Py, following healed fractures
418.15	420.10	Qtz-Carb	70.00°		0.20	About 1-2% discontinuous/irregular/undulating qtz/carb fracture fills and stringers, seen typically at 60-80dTCA with lesser 30 dTA
420.10	460.20	Qtz-Carb	70.00°		0.80	About 2% qtz/carb stringers and fracture fills throughout, ranging from 0.2-1.5cm wide. They often appear irregular/undulating Alpha angles can range from 50-70 dTCA.Offen weakly ser/chl altered. See IQ Logger data to view beta angles measured.
420.10	460.20	Qtz-Carb	30.00°		1.00	About 1% qtz/carb veins and stringers throughout, ranging from

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
						0.5-2cm wide. Alpha angles can range from 20-30 dTCA. See IQ Logger data to view beta angles measured.
460.20	461.45	Qtz-Carb	60.00°		1.00	About 1-2% qtz/carb stringers at about 50-60 dTCA, about 0.3-1m wide, with minor hem alt and chl infilling. See IQ Logger data to view beta angles measured.
461.45	470.94	Qtz-Carb	60.00°		1.00	About 2% qtz/carb stringers and fracture fills throughout, ranging from 0.2-1.5cm wide. They ofteb appear irregular/undulating Alpha angles can range from 50-70 dTCA. Often weakly ser/chl altered. See IQ Logger data to view beta angles measured.
461.45	470.94	Qtz-Carb	30.00°		0.50	About 1-2% qtz/carb stringers and fracture fills, ranging from 0.5-1cm wide. Alpha angles can range from 20-30 dTCA. See IQ Logger data to view beta angles measured.
471.25	471.40	Qtz-Carb	49.10°	274.50°	1.50	Appears to be a 1.5cm qtz/carb vein crosscutting near the middle, followed by a couple of thin stringers, all following foliation trend.
476.75	485.55	Qtz-Carb	20.00°		1.00	About 1-2% qtz/carb stringers and fracture fills throughout, ranging from 0.2-1.5cm wide. Alpha angles can range from 10-30 dTCA. Some very minor hem or chl can sometimes be seen. See IQ Logger data to view beta angles measured.
485.55	498.00	Chl	61.50°	270.50°	20.00	Many 5-50cm zones of clustered chl (+/-ser) stringers giving it a weak ductile shr/folation texture appearance, typically at angles of 60-80 dTCA. See IQ Logger data to view beta angles measured.
485.55	577.00	Qtz-Carb	30.00°		1.00	About 1-2% qtz/carb stringers, veins and fracture fills throughout. Stringers and fracture fills appear as 0.2-1cm in width and can often appear discontinuous and whispy. Veins are seen from 1-3cm in size. On average seen at 20-40 dTCA, but with much lesser amounts at 60-70 dTCA. Can sometimes be seen with trace amount of Py. See IQ Logger data to view beta angles measured. See IQ Logger data to view beta angles measured.
498.00	540.20	Chl	66.20°	305.70°	10.00	Multiple 5-10cm zones of clustered chl (+/- ser) stringers, sometimes giving it a weak ductile shr/folation texture appearance, typically at angles of 60-80 dTCA. See IQ Logger data to view beta angles measured.
540.20	541.50	Chl	64.20°	167.80°	50.00	A zone of clustered chl (+/-ser) stringers giving it a weak ductile

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
						shr/folation texture appearance, typically at angles of 60-80 dTCA. See IQ Logger data to view beta angles measured.
577.00	588.65	Qtz-Carb	30.00°		1.00	About 3-5% qtz/carb stringers, veins. Stringers can range between 0.2-1cm in width and can often appear discontinuous and whispy. Veins are seen from 1-6cm in size. On average seen at 20-40 dTCA. Can sometimes be seen with 1-2% Py within and along rims. Can contain chl fracture infilling and +/- very weak kspar alt. See IQ Logger data to view beta angles measured.
588.65	590.60	Qtz-Carb			1.00	About 3-5% qtz/carb stringers, veins. Can range between 0.3-1.5cm in width, with varying angles between 30-80 dTCA, but more commonly seen at 50 dTCA. Often irregular, discontinuous and undulating. Appears to cause some degree of ductile foliation surrounding larger stringers.
590.60	595.75	Qtz-Carb			0.50	About 3-5% qtz/carb variably textured stringers. No specific angle measured and with various widths.. They appear as blobby, webby, deformed, undulating/irregular and discontinuous. Some very minor foliation/ductile deformation surrounding clustered stringer zones.
595.75	635.40	Qtz-Carb	40.00°		1.00	5-6% Webby network of irregular/undulating qtz/carb stringers ranging from hairline to 2cm wide (+ occasional 3-5cm wide vein) throughout, that are often weakly chloritized causing the unit to have a coherent brecciated appearance. More coherent/intact stringers are generally at 40-50 dTCA. See IQ Logger data to view beta angles measured.
635.40	654.80	Qtz-Carb	60.00°		0.50	About 1-2%, increasing to 2-3% within last 5m, qtz/carb stringers and fracture fills, ranging from 0.2-0.5cm wide. Alpha angles can range from 50-70 dTCA. Can have some very minor ser alt.
635.40	654.80	Qtz-Carb	30.50°	326.90°	1.00	About 1-2%, qtz/carb stringers/fracture fills and occasional (3-4 sporatic) veins. Stringers, can range from 0.2-1cm wide, whilst the veins can reach 1-3cm. Alpha angles can range from 10-30. dTCA. Can have some very minor ser or chlt alt. Only one measurable beta angle at 650.50m. Can have trace to 1% fine-grained Py along rims of veins.
643.65	644.60	Qtz-Carb	16.70°	243.70°		A significant zone of qtz/carb zone, which contains about 4-5% very fine-grained euhedral Py as dissemianted and fracture infilling. Some

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
						chl infilling can be seen within it as well. UC is easiest to measure but grinded core does not allow or beta angle. LC is undulating and therefore angles are not very reliable.
654.80	655.95	Qtz-Carb	40.00°		0.50	Contains 5-6% qtz/carb stringer and fracture fills throughout, with <1cm stronger ser alt haloes +/- chl infilling. Generally seen at 30-50 dTCA and usually 0.2-0.5cm wide but also seen upt o 1cm wide
655.95	658.75	Qtz-Carb	30.00°		0.50	5-8% webby undulating/discontinuous qtz/carb fracture fills and stringers causing unit to have a weak shear texture/fractured coherent texture. Measurable qtz/carb stringers are seen at 20-30 dTCA. These stringers/FFs can be weakly ser/hem/chl altered(especially within first meter). Typically 0.2-0.8cm wide, but with a larger 1.5-2cm wide stronger altered one near the beginning.
658.50	659.00	Qtz	70.00°		0.50	4-5 Qtz stringers that are moderatly to strongly hem altered. About 0.2-0.5cm wide and seen ato 60-70 dTCA.
658.75	662.00	Qtz-Carb	30.00°		0.50	2-3% whispy/discontinuous (+lesser webby) qtz/carb stringers. Typically 0.2-0.8cm wide. Measurable qtz/carb stringers are seen at 20-30 dTCA. These stringers/FFs can be weakly altered (+/- ser/chl).
662.00	674.00	Qtz-Carb	50.00°		0.50	About 1-2% irregular/undulating/disconstinuous stringers until 674m. They can range between 0.2-1cm in width. Trending alpha angle is at about 10-30 or 50-60 dTCA. Some stringers may be weakly to moderately hematized. Especially those within the last 50cm.
662.00	678.95	Qtz-Carb	40.00°		0.50	5-6% webby network of qtz/carb stringers, which appears to be weakly to moderately foliated parallel gouged zones at 30-40 dTCA. They can range between 0.2-1cm in width. They can be weakly to moderately/hematized, especially within the first 50cm.
678.95	713.85	Qtz-Carb	40.00°		1.00	About 2-3% qtz/carb stringers and fracture fills, decreasing to 1-2% after 700m, typically at 50-60 dTCA that are often undulating/discontinuous/webby and occasionally seen with very weak hem/chl alt (hem alt predominantly between 700-702m). Can range between 0.2-1.5cm in width. Measurable one are often see between 50-60 dTCA. See IQ Logger data to view beta angles measured.
678.95	713.85	Chl			0.20	Contains about 2-3%% webby hairline fracture fills of dark chl +/- carb.

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
713.84	716.20	Qtz-Carb	20.00°		0.50	About 1-2% diconstinuous/irregular qtz/carb stringers and frature fills at about 10-30 dTCA, that are often weakly kspar altered. Can range between 0.1-1.5cm wide.
716.20	745.80	Qtz-Carb	50.00°		0.50	5-6% Webby network of irregular/undulating qtz/carb stringers ranging from hairline to 1.5cm wide throughout, that are sometimes weakly chloritized, causing the unit to have a coherent brecciated appearance. Larger, more coherent stringers can be observed at about 50-60 dTCA
745.80	774.40	Chl			0.20	Contains about 1-2%% webby hairline fracture fills of dark chl +/- carb.
745.80	774.40	Qtz-Carb			0.50	About 1-2% qtz/carb stringers and fracture fills typically at 30-60 dTCA that are often undulating/discontinuous/webby. Can range between 0.2-1cm in width.
774.40	798.00	Qtz-Carb	60.00°		0.50	About 1-2% qtz/carb stringers, typically varying from 50-70dTCA. Can be seen from 0.2-1cm wide. Can have some very minor hem alt. A cluster seen from 785.75-785.95m. See IQ Logger data to view beta angles measured.
778.00	801.00	Chl	42.20°	324.60°	25.00	A few 5-30cm wide chl stringer clusters (+/- minor ser alt) which can have a weak ductile shear-like/foliation texture.
778.00	801.00	Qtz-Carb	50.00°		0.50	2-3% chl/ser altered slightly whispy/undulating and/or discontinnuous stringers. Can be seen at 40-60 dTCA, and usualyl 0.2-0.5cm wide. Can also occasionally be very weakly hem altered. See IQ Logger data to view beta angles measured.
778.00	822.50	Qtz-Carb	50.00°		0.50	About 2-3% qtz/carb stringers and fracture fills typically at 40-60 dTCA and much lesser at 20-30dTCA. Stringers can occasionally be undulating and fracture fills can be discontinous. Can range between 0.1-1.5cm in width. Can occasionall by very weak hem altered. See IQ Logger data to view beta angles measured.
796.65	797.05	Qtz-Carb	15.40°	106.40°	4.00	A 4cm wide qtz/carb vein. Inner 2cm is predominantly carb, whereas 1cm contains a bit more qtz is slightly pinkish. No visible mineralization.
822.94	822.98	Qtz-Carb	62.10°	79.50°	1.00	A 1cm wide pinkish qtz/carb vein at 822.94-822.98m at about 50-60 dTCA

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
824.35	857.05	Qtz-Carb	40.00°		0.50	Network of 2-3% webby qtz/carb fracture fills and stringers with varying angles of 20-80 dTCA but with a common trend of about 30-40dTCA. Ranging from 0.1-1cm in width.These can be weakly to moderately hematized (and/or weakly ser/chl alt), and can also appear in small clusters. See IQ Logger measurable beta angles.
849.75	849.85	Qtz-Carb	43.70°	307.60°	4.00	A 4cm wide zone of slightly vuggy, weakly hem altered qtz/carb veining containing nearly 50% large angular brecciated host rock clasts, ranging up to a mm to 5-6cm size. Preceded by about 20cm of webby fracture infills giving it a brecciated appearance.
857.05	894.00	Qtz-Carb	40.00°		0.50	2-4% weakly to moderatly sericitized qtz/carb stringers (sometimes with weak small chl haloes) and fracture fills crosscutting throuhgout. They are more commonly seen at about 30-50 dTCA and with lesser amounts about 70 dTCA. They can range between 0.2-1cm wide. Can sometimes appear in small clusters, which can have a very weak shr-like texture. See IQ Logger data to view some beta angles measured.
870.25	870.40	Qtz	51.40°	37.60°	5.00	5-6cm wide milky qtz veining 2-3% fine-grained Py along lower contact. Chl infills with some minor fuschite alteration
881.50	881.65	Qtz	44.60°	102.60°	3.00	A 3cm wide Milky qtz vein at about 40-50 dTCA, that is later crosscut and displaced by a 1cm secondary qtz vein at 40-50 dTCA in the opposite direction. Some chl infill along contacts of the former and some weak fuschite alt in between both.
894.00	925.40	Qtz-Carb	60.00°		0.50	About 1-2% qtz/carb stringers and fracture fills typically at 30-40 or 60-70dTCA. Can range between 0.2-1.5cm in width. See IQ Logger data to view beta angles measured.
894.10	894.35	Qtz	23.60°	284.60°	1.00	A undulating qtz vein at about 10-20dTCA with about 4-5% medium-grained clusters Py within
923.90	923.95	Qtz-Carb	67.40°	22.60°	1.50	A 1.5cm wide qtz/carb stringer at about 70 dTCA, with 2-3% disseminated Py following its contacts
926.00	926.22	Qtz-Carb	11.30°	33.30°	1.50	A 1-1.5cm wide qtz/carb, with very weak ser alt.
926.85	969.00	Qtz-Carb	30.00°		0.50	1-2% qtz/carb fracture fills and stringers, predominantly seen at 20-40 dTCA. Typically from 0.1-0.5cm width. See IQ Logger data to view

Veins

From	To	Vein Type 1	Alpha	Beta	True Widt...	Description
						beta angles measured.
951.40	951.60	Qtz-Carb	10.60°	175.00°	0.50	A low angled qtz/carbs stringer with minor kspar alt and 1-2% fine-grained Py
959.40	959.70	Qtz-Carb	13.30°	178.30°	1.00	A low angled qtz/carbs undulating stringer with minor kspar alt and 1-2% fine-grained Py
962.15	962.35	Qtz-Carb	10.00°		1.00	A low angled qtz/carbs stringer with kspar alt and 1-2% fine-grained Py along UC

Structures

From	To	Structure Type 1	Alpha	Beta	Gamma	Description
6.15	6.16	C	15.00°			Sharp observable contact between AGAB and MI
7.93	7.94	C	15.00°			Sharp observable contact between AGAB and MI
17.33	17.34	C	29.70°	0.40°		Sharp observable contact between MI and AGAB with qtz/carb fracture iinfilling
26.20	26.21	C	35.00°			Sharp observable contact between MI and AGAB
35.84	35.85	C	26.70°	21.40°		Sharp contact with mafic dyke and MI
45.85	46.60	SHZ	38.40°	347.10°		Weak to moderate ducitle chl shear/foliation ranging from 25-40 dTCA, with minor gouge (<0.5cm) along one of the fracture at the beginning.
60.40	60.90	BX				A healed brecciated zone with diffuse boundaries. More or less clasts supported with clasts being sub-angular to sub-rounded ranging from 0.3-6cm in size. Infilled with chl
65.15	65.40	SHZ	34.70°	358.10°		Debatable very weak CHL shear or possibly a cluster thin chl stringers
82.35	84.75	SHZ	47.20°	343.40°		mod.-strongly ductilly sheared (trend of 40-50dTCA), first 50cm appears to be later-stage healed breccia (foliation texture in brecciated clasts) infilled with chl/qtz. weakly-moderately ser/chl altered (+/- patchy fuschite alt)
91.16	91.65	SHZ	26.90°	209.00°		apears 15cm CHL vein/shear(?) crosscut by qtz/carb vein/stingers and followed by 7-10cm silcified haloes, at about 25-40 dTCA. 1-3% disseminated Py within peripheries
141.52	141.78	SHZ	33.30°	211.70°		Weak to moderate chloritic ductile shear zone (about 16-17cm in true width) with relatively sharp contacts at 50 and 40 dTCA and and a 1cm crosscutting qtz/carb stringer near the end at 60 dTCA
157.16	157.21	SHZ	60.10°	304.00°		Upper undulating contact of MI/AGAB is weakly brecciated zone with sub-angular to sub-rouned black qtz(?), 0.2-1cm in size. Weakly ser/chl altered zone.
169.10	169.50	C	55.00°			Dark grey, aphanitic mafic dyke. Lower contact is difficult to differentiate. Looks like it contains large blocks of host rock with irregular contacts.
170.00	192.25	BX	25.00°			Weak to moderate pervasive chl alteration due to infilling of Chl within a brecciated zone. Generally matrix-supported, host-rock mafic clasts size range 0.2-5cm in width and may be rub-rounded

Structures

From	To	Structure Type 1	Alpha	Beta	Gamma	Description
						to sub-angular. Sharp UC/LC are measurable at 25dTCA
194.05	194.35	RBL				Zone of rubbled core
197.88	198.03	C	56.20°	334.30°		Dark grey aphanitic mafic dyle.
214.35	215.10	SHZ	31.00°	303.90°		Section of weak to moderate chloritiic shear/infilling that is irregular/undulating. General trend can be measured but with low confidence.
215.65	216.10	SHZ	8.70°	342.90°		5-10cm of brecciation, with weak chl (+/- very weak ser) infilling. Matrix to clast supported, clasts are subangular. Section is followed by 2-4cm wide qtz/carb vein.Sharp UC fo BX zone
216.85	217.30	SHZ				Zone of moderate ductile chloritic sharring with 1-2 of minor brecciation along UC/LC. Generally higher angled.
221.00	221.60	BX				A zone of nearly indistinctive clast-supported breccia with chl/ser infillling. nearly jigsaw-fit
232.49	232.50	C	26.40°	103.60°		Contact between MV and MI
246.25	246.65	SHZ	39.60°	21.50°		Clustering of this black material infilling which almost appears an weak ductile shear. General trend meausred but probably not very reliable
261.40	261.90	SHZ	39.40°	356.90°		Again, Clustering of this black material infilling which almost appears an weak ductile to weakly brecciated shear. General trend meausred but probably not very reliable
284.50	286.20	FLTZ	45.00°			Significant brecciation fault zone that appears to have been later remelted and ductilly deformed, yet still clast supported with graphitic (+gouge) fracture surfaces. Deformation 5-10cm qzt/carb vein midway through(?) Unable to get beta, alpha averaged.
288.00	289.00	FOL				Weak foliation/ductile shearing of weakly chl/ser altered zone
320.10	321.10	SHZ	30.90°	289.60°		Zone is clastically sheared, clast-supported, with qtz + chl infilling and moderate sil alteration. Clasts range from sub-mm to 6cm in size and are generally sub-rounded. + very minor gouge along some fracture surfaces
361.27	361.28	C	50.00°			Lamprophyric dyke from 361.27-361.77 with sharp UC at 50 dTCA. 5cm before UC and 50cm after LC appear slightly darker with very weak foliation at similar angle to UC.
371.05	371.06	C	60.00°			Contact between MI and fault zone

Structures

From	To	Structure Type 1	Alpha	Beta	Gamma	Description
371.05	372.20	FLTZ	60.00°			Strong texturally destructive fault zone composoed of graphitic black material, see unit description for more details. Averaged foliation measured.
371.16	371.62	C	65.00°			Vuggy pink carb/qtz vein with sharp UC/LC at 60-70 dTCA. Contains some blackish graphite within, probably just taken from wallrock.
372.19	372.20	C	70.00°			Sharp cotnact between FLT zone and MI
372.20	373.25	SHZ	70.00°			Strongly ductilly deformed following the fault zone with mod. ser alt and weak chl alt. Beta angle cannot be measured and alpha difficult to diferentiate, averaged at 70 dTCA
389.35	389.36	C	60.00°			relatively sharp contact between MI and fault zone
389.35	389.55	BX				Appears to be clast-supported dark-grey angular qtz breccia with carb-infilling. Appears weakly vuggy.
389.35	389.55	FLTZ	70.00°			Strong texturally destructive fault zone composed of graphitic black material, see unit description for more details. Averaged foliation measured.
389.60	389.75	RBL				Rubbled zone within fault unit
390.00	390.05	RBL				Rubbled zone within the fault unit
390.14	390.15	C	35.00°			Relatively sharp contact between fault zone and MI
390.60	390.90	SHZ	90.00°			A 10 and 5cm wide silicified graphitic black material, with undulating contacts but at a general angle of nearly 90 dTCA
396.00	399.60	SHZ	35.40°	231.40°		Significant breccia zone that is dominantly qtz/carb/chl infilled. Some graphitic black material infilling within the first 70cm. Significant qtz/carb flooding within the last 60cm.
408.90	409.70	SHZ	41.10°	115.10°		Some fuschite altered brecciated/ductile deformation with stringer-like ser alt and qtz/carb infilling + lesser (2-3%) graphitic black material infilling near the beginning
422.20	422.21	C	25.00°			Contat between AGAB and LAMP dyke
434.25	434.40	BX	29.50°	297.40°		Very weak shr/BX with mod. ser alt of breccia and pervasive chl and chlorite infilling. Brecciated pieces are about 0.2-1cm. Relatively sharp UC and LC with general foliation trend similar to UC.
460.20	460.21	C	23.10°	321.20°		Sharp contact between variably texture MI and Lamprophyre

Structures

From	To	Structure Type 1	Alpha	Beta	Gamma	Description
461.45	461.46	C	28.50°	357.30°		Sharp contact between LAMP and MI
470.94	470.95	C	35.30°	289.20°		Sharp contact between AGAB and FLTZ
470.94	471.75	FLT	54.80°	271.70°		General trend/foliaiton of graphitic material wtithin FLTZ
475.00	475.40	FOL	41.70°	258.30°		Some very minor degree of foliation/elongation of minerals within AGAB observed
476.30	476.40	G	64.80°	275.70°		Appears to be healed gouge material of same composition as fault zone
476.45	476.46	C	39.30°	282.30°		Sharp contact between AGAB and FLTZ
476.74	476.75	C	80.30°	269.00°		Contact between FLTZ and AGAB
485.54	485.55	C	65.80°	249.90°		Sharp contact between AGAB and MI
547.15	548.50	SHZ	58.80°	313.30°		Weak shr/deformation zone with chl infilling, composed of 75% host rock and 25% pre- and syn-deformation qtz/carb. Appears weakly brecciated with later ductile deformation. Clast appear elongated and sub-rounded from 0.2 up to 1.5-2cm in size.
588.64	588.65	C	38.40°	23.40°		Contact between Sil altered MI and AGAB
588.65	590.60	FOL	40.00°			Some small degree of foliation within the less altered zone, probably due to some ductile deformation associated with qtz/carb intruding stringers
595.41	595.43	G	80.00°			Less than 0.5cm wide of chloritic gouge at nearly 80-90 dTCA
619.90	620.20	SHZ	50.00°	60.30°		Clustering of qtz/carb stringers/veins that appears weakly brecciated and ductilly deformed
634.20	634.25	G	80.00°			About 3-5 of chlorite altered gouge
635.00	635.40	FOL	20.00°			Some weak to moderate foliation of medium-grained weakly chloritized UMV along lower contact of unit
635.39	635.40	C	35.00°			Contact between UMV and Mi
635.40	641.00	FOL	30.00°			Some very weak degree of foliation of minerals/crystals oritented at abotu 20-40 dTCA
649.90	654.80	FOL	40.00°			Some very weak degree of foliation of minerals/crystals oritented at abotu 30-40 dTCA
654.79	654.80	C	55.00°			Contact between MI and lower dyke
655.60	655.80	BX	60.00°			Contains abundant silcified black material (chl?) and containing brecciated qtz. This is preceded and followed by 3-5cm of multiple events of qtz infilling at about 60dTCA

Structures

From	To	Structure Type 1	Alpha	Beta	Gamma	Description
655.94	655.95	C	35.00°			Contact between dyke and MI, sharp yet undulating
655.95	658.75	SHZ	30.00°			Weak shear texture due to 5-8% webby undulating qtz/carb fracture fills and stringers.Meausrable stringers seen at 20-30 dTCA
676.70	678.95	FLTZ	35.00°			About three 10-20cm zones of healed chloritic gouge at 30-40 dTCA,, where qt/zcarb stringers in these interval are weakly to moderately foliated to this trend
689.80	689.81	C	70.00°			Upper contact of LAMP dyke with MV
690.04	690.05	C	85.00°			Lower contact of LAMP dyke with MV
693.85	693.86	C	72.20°	48.40°		Upper contact of LAMP dyke with MV
694.04	694.05	C	73.20°	22.30°		Lower contact of LAMP dyke with MV
713.84	713.85	C	78.40°	282.80°		Lower contact of MV with LAMP dyke
716.19	716.20	C	40.00°			Lower contact is irregular but generally sharp at 30-40 dTCA
716.20	716.25	G	40.00°			5 cm of healed chloritic gouge following similar angle to UC
722.30	722.31	C	20.00°			Upper contact of UMV with LAMP dyke
722.59	722.60	C	40.00°			Lower contact of LAMP dyke with UMV
727.40	727.41	C	70.00°			Upper contact of UMV with LAMP dyke
727.59	727.60	C	60.00°			Lower contact of LAMP dyke with UMV
730.10	730.25	G	45.00°			10cm of healed chloritic gouge, where 1-2m before and after, some minor gouge can be seen along fracture surfaces
731.00	731.20	FOL	40.40°	300.60°		Weak to moderate foliation with weak weak to moderate ser alt
742.30	742.40	G	46.20°	34.20°		A few 5cm of healed chloritic gouges, with some minor gouge seen along some fracture surfaces
743.00	745.80	FOL	31.70°	326.40°		Weak to moderate foliation of UMV with multiple healed gouge sections
770.80	770.81	C	28.40°	353.70°		Upper contact of MV with LAMP dyke
771.69	771.70	C	78.60°	164.30°		Lower contact of LAMP dyke with MV
773.40	774.40	FOL	32.00°	359.60°		Some weak foliation along LC of unit
774.39	774.40	C	55.00°			Lower contact of MV with MI. Ending of foliaiton
778.00	801.00	FOL	42.20°	324.60°		A few 5-30cm wide chl stringer clusters (+/- minor ser alt) which can have a weak ductile shear-like/foliation texture.
788.80	788.81	C	19.20°	320.80°		Sharp UC of Mi with LAMP dyke
788.94	788.95	C	30.20°	26.20°		Sharp LC of LAMP dyke with MI

Structures

From	To	Structure Type 1	Alpha	Beta	Gamma	Description
822.50	822.51	C	67.00°	157.10°		Sharp contact between MI and LAMP dyke
824.34	824.35	C	61.40°	111.10°		Sharp lower contact between LAMP dyke and MI
837.15	837.45	BX	32.10°	296.00°		15-20cm zone of very weak brecciation (fracture-coherent), chl infill, weak ser/chl alt, and later crosscutting qtz/carb stringers (noteworthy 2cm along lower contact)
847.65	847.66	C	70.60°	249.60°		Sharp UC of MI with LAMP dyke
848.19	848.20	C	58.90°	296.90°		Sharp LC of LAMP dyke with MI
849.75	849.85	BX	43.70°	307.60°		A 4cm wide zone of slightly vuggy, weakly hem altered qtz/carb veining containing nearly 50% large angular brecciated host rock clasts, ranging up to a mm to 5-6cm size. Preceded by about 20cm of webby fracture infills giving it a brecciated appearance.
858.50	858.80	BX	29.90°	302.80°		A 30cm wide matrix-supported brecciated zone with what appears to be silicified chl infilling. Host rock clasts can range from 0.2-1.5cm wide and are typically angular to sub-angular. Sharp UC/LC.
865.20	866.70	FOL	54.50°	76.20°		Moderately foliated ser zone before rubbled zone. Some minor healed gouge along UC
866.70	868.20	FLTZ	54.50°	76.20°		Rubbled zone of a multi-generational qtz fault/brecciated zone. Probably similar trend to foliation preceeding,
868.20	870.50	FLTZ	51.10°	350.70°		Moderatly to strongly chl/epi/sil (+/- ser/fuschite), with webby hairline chl infilling, all crosscut by later qtz/carb stringers. First and last 30cm is heavily brecciated with multi-generational with chl/qtz veining.
880.95	881.70	FLTZ	39.90°	62.70°		Mod/strongly chl/ep/sil (+/- ser and fuschite) altered fault/shear zone. Contains a 6-8cm wide clast of host rock near the beginning. Crosscut by 3cm wide milky qtz vein near the end. Chl and qtz/carb fracture infills present as well.
910.65	910.82	BX	69.40°	3.50°		Weakly brecciated/sheared zone (fracture coherent) with chl infills and sharp UC/LC
925.40	925.41	C	63.30°	346.30°		Sharp UC of LAMP dyke with AGAB
926.84	926.85	C	61.00°	18.40°		Sharp LC of LAMP dyke with AGAB
932.24	932.25	C	34.40°	258.60°		Lower contact of final LAMP dyke in alternating zone from between LAMP and AGAB from 930.40-932.35m

Magnetic Susceptibility

Depth	MagSus	Comments
3.00	0.86	
5.17	0.28	
6.00	0.45	
9.00	1.09	
12.00	1.01	
15.00	0.85	
17.39	0.70	
18.00	1.06	
21.00	1.12	
22.34	0.25	
24.00	1.00	
26.46	1.20	
27.00	1.04	
30.00	1.04	
33.00	1.16	
35.42	0.91	
36.00	0.89	
37.48	0.52	
39.00	0.92	
42.00	1.13	
45.00	0.94	
46.13	0.89	
48.00	0.65	
51.00	1.01	
52.30	1.17	
54.00	0.82	
57.00	0.72	
57.94	0.26	
60.00	1.13	
63.00	0.73	
65.30	0.95	
66.00	1.00	

Magnetic Susceptibility

Depth	MagSus	Comments
66.63	1.66	
69.00	3.00	
72.00	1.87	
75.00	1.09	
78.00	1.14	
79.65	0.47	
81.00	1.01	
84.00	0.51	
84.34	1.32	
87.00	98.30	
90.00	0.64	
91.38	0.61	
93.00	0.69	
96.00	0.76	
99.00	0.59	
102.00	0.83	
104.08	1.45	
105.00	1.07	
108.00	0.53	
111.00	0.82	
114.00	0.98	
117.00	0.74	
120.00	0.86	
123.00	0.64	
126.00	0.96	
129.00	0.94	
132.00	0.97	
135.00	0.98	
136.72	0.81	
138.00	1.00	
141.00	0.63	
141.69	0.99	

Magnetic Susceptibility

Depth	MagSus	Comments
144.00	0.69	
147.00	0.92	
150.00	0.88	
152.47	0.60	
153.00	0.84	
156.00	0.87	
159.00	0.91	
162.00	0.89	
165.00	1.09	
167.11	0.37	
168.00	0.91	
170.74	0.33	
171.00	0.94	
174.00	0.58	
177.00	0.81	
180.00	0.89	
183.00	0.87	
183.75	0.52	
186.00	0.86	
189.00	0.72	
189.33	0.63	
190.30	1.02	
191.13	1.10	
192.00	0.98	
195.00	0.69	
197.58	1.26	
197.91	0.54	
198.00	0.76	
201.00	0.81	
203.51	0.71	
204.00	1.19	
207.00	0.97	

Magnetic Susceptibility

Depth	MagSus	Comments
210.00	1.66	MI, chl alt
213.00	1.11	MI, chl alt
214.46	0.98	MI, chl alt, shr
215.83	2.03	MI, chl/ser alt, shr bx zone
216.00	0.70	MI, chl alt
217.17	2.27	MI, chl alt, shr
219.00	3.65	MI, sil alt
222.00	1.96	MI, sil alt
225.00	3.47	MI, sil alt
228.00	0.36	SYE, ser/chl alt
231.00	0.46	SYE, ser/chl alt
234.00	1.00	MI, chl alt
237.00	0.96	MI, chl alt
240.00	2.95	MI, chl alt
241.20	0.93	MI, ser/chl/sil alt
243.00	1.48	MI, chl alt
246.00	5.84	MI, chl alt
246.68	1.70	MI, chl alt
249.00	2.75	MI, chl alt
252.00	4.14	MI, chl alt
255.00	1.02	MI, chl alt
258.00	0.79	MI, chl alt
261.00	0.99	MI, chl alt
261.57	0.72	MI, chl alt, shr
264.00	0.66	MI, ser/chl alt
267.00	0.60	MI, ser/chl alt
270.00	0.77	MI, ser/chl alt
271.43	0.77	MI, unknown black material, sil alt
273.00	0.77	MI, ser/chl alt
276.00	0.61	MI, ser/chl alt
279.00	0.51	MI, ser/chl alt
282.00	0.66	MI, ser alt

Magnetic Susceptibility

Depth	MagSus	Comments
282.47	0.74	MI, ser alt
284.08	0.10	MI, sil alt
285.00	0.67	MI, ser alt
288.00	0.15	MI, ser alt
288.55	0.77	MI, ser/chl/sil alt
291.00	0.98	MI, ser/chl alt
294.00	0.94	MI, chl alt
297.00	1.06	MI, chl alt
300.00	5.09	MI, chl alt
303.00	1.19	MI, chl alt
306.00	1.07	MI, fresh
309.00	1.13	MI, fresh
312.00	0.89	MI, fresh
315.00	0.94	MI, fresh
318.00	0.83	MI, sil alt
320.40	0.35	MI, shr bx, sil alt
321.00	0.34	MI, sil alt
322.60	0.63	MI, sil alt
324.00	0.86	MI, sil alt
327.00	0.98	MI, chl/sil alt
330.00	1.43	MI, chl/sil alt
333.00	1.07	MI, chl alt
336.00	1.53	MI, chl alt
339.00	0.73	MI, chl alt
342.00	0.80	MI, relatively fresh
345.00	1.07	MI, relatively fresh
348.00	1.19	MI, relatively fresh
351.00	0.90	MI, chl alt
354.00	0.62	MI, chl alt
357.00	0.91	MI, chl alt
360.00	0.91	MI, chl alt
363.00	12.70	MI, chl alt

Magnetic Susceptibility

Depth	MagSus	Comments
366.00	0.67	MI, chl alt
369.00	0.55	MI, chl alt
371.23	0.16	Pink carb/quartz vein
372.00	0.19	FLTZ, sil alt + graphite
372.70	0.29	MI, ser alt
375.00	0.99	MI, chl alt
378.00	0.78	MI, chl alt
381.00	1.19	MI, chl alt
384.00	0.85	MI, chl alt
387.00	0.60	MI, chl/ser alt
390.00	0.44	FLTZ, sil alt + graphite
390.53	0.81	MI, chl/ser alt
392.17	0.52	LAMP, fresh
393.00	0.81	MI, chl/ser alt
396.00	0.79	MI, chl/ser/sil alt, BX zone
396.23	0.60	MI, chl/ser/sil alt + graphite
399.00	0.84	MI, chl/ser/sil alt, BX zone
402.00	1.14	MI, chl/ser alt
405.00	0.69	MI, chl alt
408.00	0.77	MI, chl/ser/fushite alt
409.32	0.60	MI, chl/ser/fushite alt
411.00	0.68	MI, chl alt
414.00	0.84	LAMP, fresh
417.00	0.94	LAMP, kspar alt
420.00	1.72	
423.00	0.64	
426.00	0.81	
429.00	0.98	
432.00	1.01	
435.00	0.85	
438.00	0.85	
441.00	0.94	

Magnetic Susceptibility

Depth	MagSus	Comments
444.00	0.99	
447.00	0.84	
450.00	0.98	
453.00	0.93	
456.00	0.77	
459.00	0.81	
461.00	0.53	
462.00	0.88	
465.00	0.80	
468.00	0.93	
471.00	0.82	
474.00	0.76	
476.00	0.35	
476.60	0.32	
477.00	0.75	
480.00	0.73	
483.00	0.90	
486.00	1.03	
489.00	0.82	
492.00	0.83	
495.00	0.91	
495.90	1.43	
498.00	2.74	
501.00	1.60	
504.00	1.11	
507.00	2.48	
510.00	5.15	Py + Pyrrhotite
513.00	12.20	Py + Pyrrhotite
516.00	3.82	Py + Pyrrhotite
519.00	8.52	Py + Pyrrhotite
522.00	42.50	Py + Pyrrhotite
525.00	30.50	Py + Pyrrhotite

Magnetic Susceptibility

Depth	MagSus	Comments
528.00	18.90	Py + Pyrrhotite
531.00	7.04	Py + Pyrrhotite
534.00	2.45	
537.00	1.74	
540.00	0.79	
540.65	0.84	
543.00	0.53	
546.00	0.61	
547.48	0.60	
549.00	0.79	
552.00	4.24	
555.00	4.85	
558.00	2.90	
561.00	2.01	
564.00	11.40	
567.00	10.50	
570.00	2.20	
573.00	9.25	
576.00	31.40	
579.00	1.79	
582.00	2.27	
585.00	1.59	
588.00	2.89	
591.00	0.06	
594.00	0.69	
597.00	10.60	
600.00	26.10	
603.00	54.10	
606.00	38.00	
609.00	21.50	
612.00	19.30	
615.00	9.11	

Magnetic Susceptibility

Depth	MagSus	Comments
618.00	21.40	
621.00	38.70	
624.00	45.00	
627.00	14.80	
630.00	3.94	
633.00	0.68	
636.00	0.67	
639.00	0.83	
642.00	0.92	
644.30	0.31	
645.00	0.94	
648.00	0.50	
651.00	0.77	
654.00	0.84	
654.90	0.50	
657.00	8.69	
660.00	1.87	
663.00	2.91	
666.00	1.33	
669.00	5.69	
672.00	5.73	
675.00	1.37	
678.00	5.75	
681.00	6.95	
684.00	1.53	
687.00	0.96	
689.90	15.30	
690.00	1.65	
693.00	5.53	
694.00	0.46	
696.00	1.35	
699.00	4.68	

Magnetic Susceptibility

Depth	MagSus	Comments
702.00	0.77	
705.00	1.47	
708.00	1.10	
711.00	0.65	
714.00	12.60	
717.00	40.10	
720.00	28.50	
722.50	1.23	
723.00	0.98	
726.00	40.60	
727.50	1.65	
729.00	34.60	
732.00	5.94	
735.00	2.57	
738.00	1.00	
741.00	0.72	
744.00	0.68	
747.00	0.56	
750.00	0.73	
753.00	0.71	
756.00	0.83	
759.00	0.72	
762.00	0.79	
765.00	0.72	
768.00	0.78	
771.00	0.93	
774.00	0.82	
777.00	45.50	Nothing observed
780.00	5.20	
783.00	5.87	
786.00	2.96	
789.00	8.67	

Magnetic Susceptibility

Depth	MagSus	Comments
792.00	111.00	No pyr. Prob very fine-grained magnetite
795.00	64.80	No pyr. Prob very fine-grained magnetite
798.00	69.00	No pyr. Prob very fine-grained magnetite
801.00	35.80	No pyr. Prob very fine-grained magnetite
804.00	4.98	
807.00	26.10	
810.00	1.10	
813.00	11.40	
816.00	93.60	No pyr. Prob very fine-grained magnetite
819.00	9.88	
822.00	51.20	No pyr. Prob very fine-grained magnetite
825.00	52.90	No pyr. Prob very fine-grained magnetite
828.00	116.00	No pyr. Prob very fine-grained magnetite
831.00	32.70	No pyr. Prob very fine-grained magnetite
834.00	10.00	
837.00	0.94	
837.27	2.12	
840.00	8.10	
843.00	75.20	No pyr. Prob very fine-grained magnetite
845.00	5.61	
846.00	31.70	No pyr. Prob very fine-grained magnetite
847.83	2.14	
849.00	2.00	
852.00	27.50	No pyr. Prob very fine-grained magnetite
855.00	35.70	No pyr. Prob very fine-grained magnetite
858.00	0.87	
861.00	1.02	
862.58	0.68	
864.00	1.04	
866.62	0.77	
867.00	0.48	
868.89	0.48	

Magnetic Susceptibility

Depth	MagSus	Comments
870.00	0.41	
872.66	0.52	
873.00	0.54	
876.00	1.01	
879.00	1.02	
881.44	0.58	
882.00	0.74	
885.00	0.92	
888.00	0.90	
889.05	0.44	
891.00	0.98	
894.00	3.17	
897.00	53.40	No pyr. Prob very fine-grained magnetite
900.00	25.90	No pyr. Prob very fine-grained magnetite
903.00	30.00	No pyr. Prob very fine-grained magnetite
906.00	36.00	No pyr. Prob very fine-grained magnetite
909.00	73.40	No pyr. Prob very fine - fine-grained magnetite
912.00	1.22	
915.00	76.00	No pyr. Prob very fine - fine-grained magnetite
918.00	15.50	No pyr. Prob very fine-grained magnetite
921.00	67.90	No pyr. Prob very fine - fine-grained magnetite
924.00	128.00	No pyr. Prob fine--medium-grained magnetite
926.00	11.80	No pyr. Prob very fine-grained magnetite
927.00	196.00	No pyr. Prob fine-medium-grained magnetite
930.00	2.62	
931.12	2.21	
933.00	47.70	No pyr. Prob very fine-grained magnetite
936.00	60.70	No pyr. Prob very fine-grained magnetite
939.00	37.60	No pyr. Prob very fine-grained magnetite
942.00	67.70	No pyr. Prob very fine-grained magnetite
945.00	2.33	
948.00	22.20	No pyr. Prob very fine-grained magnetite

Magnetic Susceptibility

Depth	MagSus	Comments
951.00	1.66	
954.00	4.49	
957.00	68.40	No pyr. Prob very fine-grained magnetite
960.00	22.00	
963.00	9.24	
966.00	74.00	No pyr. Prob very fine-grained magnetite
969.00	24.20	EOH

Specific Gravity

From	To	Length (m)	Weight Ai...	Weight ...	Delta	SG	Litho Code	Standard ID	Comments	
1.00	1.01	0.01	281.33	175.21	106.12	2.65		STD2		
8.18	8.35	0.17	874.03	580.74	293.29	2.98	MI			
18.40	18.58	0.18	862.12	554.28	307.84	2.80	AGAB			
23.83	24.00	0.17	837.47	553.28	284.19	2.95	MI			
33.43	33.63	0.20	1051.91	698.76	353.15	2.98	MI		Trace py	
35.60	35.76	0.16	764.13	498.55	265.58	2.88	DYK			
41.07	41.24	0.17	929.60	616.80	312.80	2.97	MI		Trace py	
57.11	57.28	0.17	847.66	541.91	305.75	2.77	AGAB		Chl alt	
64.76	64.90	0.14	707.43	465.31	242.12	2.92	MI		Trace py	
74.26	74.42	0.16	809.96	519.59	290.37	2.79	AGAB			
80.00	80.01	0.01	281.32	175.21	106.11	2.65		STD2		
82.95	83.09	0.14	699.90	453.45	246.45	2.84	AGAB		Shr, Ser/Chl + Qtz/Cal str	
96.81	96.95	0.14	712.83	455.99	256.84	2.78	AGAB			
106.26	106.43	0.17	770.74	495.51	275.23	2.80	AGAB		Trace py	
118.59	118.76	0.17	783.51	500.82	282.69	2.77	AGAB		Trace py	
120.00	120.01	0.01	281.31	175.22	106.09	2.65		STD2		
128.39	128.54	0.15	793.54	516.90	276.64	2.87	AGAB			
138.22	138.38	0.16	772.11	508.90	263.21	2.93	AGAB		weak chl alt, bleaching	
147.20	147.37	0.17	839.59	540.32	299.27	2.81	AGAB			
156.81	156.95	0.14	781.68	513.04	268.64	2.91	AGAB			
163.03	163.20	0.17	895.79	587.03	308.76	2.90	AGAB			
170.69	170.85	0.16	740.87	471.13	269.74	2.75	AGAB		chl str, sil alt	
174.93	175.12	0.19	857.33	546.93	310.40	2.76	AGAB		chl str, weak chl/sil alt	
181.67	181.82	0.15	810.99	535.82	275.17	2.95	AGAB			
190.49	190.67	0.18	1017.71	658.74	358.97	2.84	AGAB		pervasive + chl alt, trace py	
195.00	195.01	0.01	281.33	175.24	106.09	2.65		STD2		
196.82	196.99	0.17	767.48	500.65	266.83	2.88	AGAB		weak chl alt, trace py	
200.00	200.01	0.01	281.35	175.15	106.20	2.65		STD2		
205.34	205.48	0.14	687.02	447.16	239.86	2.86	MV		Fresh	
217.12	217.30	0.18	863.24	562.10	301.14	2.87	MI		Chlorite shear, quartz/carbonate stringers	
225.75	225.93	0.18	909.00	588.24	320.76	2.83	MI		Very weak chlorite/silica alteration	

Specific Gravity

From	To	Length (m)	Weight Ai...	Weight ...	Delta	SG	Litho Code	Standard ID	Comments	
228.23	228.38	0.15	766.63	485.26	281.37	2.72	SYE		Moderate sericite/chlorite alteration	
241.80	241.98	0.18	956.02	622.01	334.01	2.86	MI		Very weak chlorite/silica alteration	
246.44	246.62	0.18	898.42	583.88	314.54	2.86	MI		Sheared MI, black material infilling, carbonate stringers, trace pyrite	
252.15	252.32	0.17	830.39	542.02	288.37	2.88	MI		Very weak silica alteration, trace pyrite	
263.02	263.16	0.14	730.87	474.44	256.43	2.85	MI		Weak sericite alteration, quartz/carbonate stringers	
266.40	266.56	0.16	850.19	563.10	287.09	2.96	MI		Coarse grained	
266.86	267.05	0.19	1025.73	667.82	357.91	2.87	MI		Very weak chlorite/silica alteration	
270.00	270.01	0.01	281.38	175.22	106.16	2.65		STD2		
285.86	286.05	0.19	852.15	554.94	297.21	2.87	II		MI faulted, weak sericite alteration, 1% pyrite	
287.00	287.01	0.01	281.30	175.19	106.11	2.65		STD2		
293.65	293.80	0.15	710.92	459.11	251.81	2.82	MI		Very weak chl alt	
301.50	301.68	0.18	909.93	595.14	314.79	2.89	MI		Weak chl alt, qtz/carb str	
309.00	309.16	0.16	833.69	539.47	294.22	2.83	MI		Relatively fresh, qtz/carb str	
320.10	320.25	0.15	727.41	464.32	263.09	2.76	MI		MI + Shear zone, weak chl, moderate sil alt	
330.50	330.65	0.15	852.54	549.75	302.79	2.82	MI		Weak chl alt	
337.62	337.78	0.16	870.01	566.75	303.26	2.87	MI		Weak chl alt, qtz/carb str	
345.17	345.30	0.13	611.64	400.52	211.12	2.90	MI		Relatively fresh, trace py	
361.13	361.33	0.20	1017.46	656.00	361.46	2.81	MI		Weak chl alt, coarse grained	
373.65	373.79	0.14	744.87	492.07	252.80	2.95	MI		Moderate ser alt, 3% py	
375.00	375.01	0.01	281.52	175.31	106.21	2.65		STD2		
378.24	378.38	0.14	714.81	459.34	255.47	2.80	MI		Relatively fresh	
384.32	384.50	0.18	816.94	525.09	291.85	2.80	MI		Weak chl alt, qtz/carb str	
390.37	390.54	0.17	793.92	514.79	279.13	2.84	MI		Moderate chl/ser alt, carb str, trace py	

Specific Gravity

From	To	Length (m)	Weight Ai...	Weight ...	Delta	SG	Litho Code	Standard ID	Comments	
394.72	394.88	0.16	845.89	547.20	298.69	2.83	MI		Weak chl/ser alt	
398.58	398.75	0.17	860.41	566.32	294.09	2.93	MI		Shear zone, moderate ser alt , weak chl alt, qtz/carb str, 1-2% py	
408.90	409.07	0.17	863.36	560.37	302.99	2.85	MI		Shear zone, moderate chl,ser,sil alt, very weak fushite alt, trace py	
412.11	412.25	0.14	666.87	425.76	241.11	2.77	LAMP		Fresh, trace py	
420.00	420.01	0.01	281.33	175.08	106.25	2.65		STD2		
422.47	422.65	0.18	776.50	494.84	281.66	2.76	LAMP		Relatively fresh	
433.39	433.53	0.14	774.02	514.29	259.73	2.98	AGAB		Weak chl, trace py	
442.72	442.86	0.14	695.50	464.53	230.97	3.01	AGAB		Weak chl,	
451.73	451.88	0.15	850.80	567.78	283.02	3.01	AGAB		Moderate chl	
460.79	460.94	0.15	719.73	471.66	248.07	2.90	LAMP		Weak kspar alt	
465.86	466.02	0.16	742.81	490.84	251.97	2.95	AGAB		Weak chl	
471.58	471.73	0.15	743.56	472.94	270.62	2.75	FLTZ		Mod sil alt, Graphite	
474.25	474.42	0.17	778.13	501.72	276.41	2.82	AGAB		Moderate chl alt, weak sil alt	
474.90	475.05	0.15	797.32	516.47	280.85	2.84	FLTZ		Moderate sil, Graphite	
480.00	480.01	0.01	281.34	175.28	106.06	2.65		STD2		
482.33	482.50	0.17	796.82	522.72	274.10	2.91	AGAB		Weak chl	
485.00	485.01	0.01	281.33	175.11	106.22	2.65		STD2		
486.15	486.33	0.18	950.67	628.39	322.28	2.95	MI		Moderate chl, trace py	
496.27	496.45	0.18	927.29	610.06	317.23	2.92	MI		Shr, moderate chl, trace py	
504.81	504.96	0.15	806.40	534.22	272.18	2.96	MI		Relatively fresh, qtz/carb str	
516.75	516.91	0.16	876.54	591.24	285.30	3.07	MI		Very weak chl alt, trace py	
524.10	524.30	0.20	982.29	640.08	342.21	2.87	MI		Relatively fresh, trace py	
534.00	534.18	0.18	966.70	646.17	320.53	3.02	MI		Weak chl, 2% qtz/carb, trace py	
540.33	540.50	0.17	838.78	552.58	286.20	2.93	MI		Shr, Moderate/Strong chl	
553.13	553.29	0.16	805.57	523.02	282.55	2.85	MI		Very weak chl, trace chl/carb str	
555.00	555.01	0.01	281.34	175.24	106.10	2.65		STD2		
559.39	559.52	0.13	642.05	420.18	221.87	2.89	MI		Relatively fresh, trace py	

Specific Gravity

From	To	Length (m)	Weight Ai...	Weight ...	Delta	SG	Litho Code	Standard ID	Comments	
570.57	570.75	0.18	861.21	556.98	304.23	2.83	MI		Weak chl, Trace qtz/carb str, trace py	
579.69	579.85	0.16	788.34	508.79	279.55	2.82	MI		Weak chl, trace qtz/carb str	
587.82	587.96	0.14	720.81	453.71	267.10	2.70	MI		Weak chl, moderate sil, 1-2% qtz/carb, 1-2% py	
591.85	591.99	0.14	723.02	471.88	251.14	2.88	AGAB		Strong chl, 1-2% qtz/carb str	
601.77	601.90	0.13	666.11	432.51	233.60	2.85	UMV		Moderate talc, trace qtz/carb str, trace py	
615.30	615.50	0.20	1021.70	660.99	360.71	2.83	UMV		Moderate talc, trace qtz/carb str, trace py	
620.00	620.01	0.01	281.35	175.22	106.13	2.65		STD2		
628.16	628.35	0.19	931.16	602.44	328.72	2.83	UMV		Weak to moderate talc, qtz/carb str, 1% py	
634.45	634.62	0.17	807.27	521.43	285.84	2.82	UMV		Moderate talc, weak chl	
636.52	636.69	0.17	802.67	517.78	284.89	2.82	MI		Moderate chl alt, qtz/carb str	
646.73	646.88	0.15	671.08	436.72	234.36	2.86	MI		Weak chl alt, trace py	
655.33	655.50	0.17	724.77	465.21	259.56	2.79	DYK		Moderate ser, qtz/carb str, 2-3% py	
659.17	659.34	0.17	770.40	499.78	270.62	2.85	MI		Moderate chl alt, qtz/carb str	
669.00	669.18	0.18	875.10	564.05	311.05	2.81	UMV		Weak chl alt, weak talc, qtz/carb str	
676.35	676.52	0.17	766.56	490.45	276.11	2.78	UMV		Weak talc, weak chl alt, qtz/carb str	
680.00	680.01	0.01	281.33	175.20	106.13	2.65		STD2		
689.85	690.00	0.15	689.29	442.96	246.33	2.80	LAMP		Trace py, qtz/carb str	
691.98	692.13	0.15	760.34	493.60	266.74	2.85	MV		Strong chl alt, qtz/carb str, trace py	
700.00	700.01	0.01	281.35	175.25	106.10	2.65		STD2		
704.08	704.22	0.14	803.48	527.74	275.74	2.91	MV		Strong chl, qtz/carb str, trace py	
712.63	712.81	0.18	921.44	603.75	317.69	2.90	MV		Strong chl alt, qtz/carb str, trace py	
714.15	714.31	0.16	686.19	433.95	252.24	2.72	LAMP		Weak kspar/hem alt, qtz/carb	

Specific Gravity

From	To	Length (m)	Weight Ai...	Weight ...	Delta	SG	Litho Code	Standard ID	Comments	
									str, trace py	
720.00	720.14	0.14	743.71	480.36	263.35	2.82	UMV		Moderate talc, qtz/carb str, trace py	
731.55	731.70	0.15	792.94	510.78	282.16	2.81	UMV		Moderate talc, qtz/carb str	
740.83	741.00	0.17	884.91	569.73	315.18	2.81	UMV		Moderate talc, qtz/carb str, trace py	
746.18	746.35	0.17	896.57	581.37	315.20	2.84	MV		Strong chl, qtz/carb str	
761.70	761.90	0.20	1024.40	672.56	351.84	2.91	MV		Strong chl, qtz/carb str, trace py	
765.00	765.01	0.01	281.29	175.29	106.00	2.65		STD2		
769.00	769.19	0.19	939.69	610.28	329.41	2.85	MV		Strong chl atl, qtz/carb str, trace py	
771.14	771.28	0.14	713.05	452.59	260.46	2.74	LAMP		qtz/carb str, trace py	
777.12	777.25	0.13	626.00	406.62	219.38	2.85	MI		very weak chl alt	
784.56	784.74	0.18	886.84	579.30	307.54	2.88	MI		Moderate chl, shr	
796.48	796.63	0.15	750.93	493.73	257.20	2.92	MI		Relatively fresh	
802.72	802.92	0.20	774.00	498.49	275.51	2.81	MI		Moderate chl, weak ser,shr, qtz/carb str	
810.95	811.15	0.20	988.66	634.69	353.97	2.79	MI		Relatively fresh, qtz/carb str	
819.59	819.79	0.20	965.12	622.78	342.34	2.82	MI		Relatively fresh, trace/1% qtz/carb str	
822.00	822.01	0.01	281.39	175.29	106.10	2.65		STD2		
823.70	823.89	0.19	854.15	544.00	310.15	2.75	LAMP		Trace qtz/carb, trace py	
835.21	835.40	0.19	961.96	618.24	343.72	2.80	MI		Very weak chl alt, qtz/carb str	
847.73	847.88	0.15	703.83	445.32	258.51	2.72	LAMP		Qtz/carb str	
856.60	856.75	0.15	828.82	534.56	294.26	2.82	MI		Very weak chl	
863.20	863.40	0.20	1029.93	666.78	363.15	2.84	AGAB		Weak ser, qtz/carb str	
869.55	869.72	0.17	822.85	532.49	290.36	2.83	AGAB		Moderate chl/epi/sil alt, +/- fushite, qtz/carb str	
875.74	875.91	0.17	812.60	525.64	286.96	2.83	AGAB		Relatively fresh, 1% qtz/carb str	
881.23	881.38	0.15	696.35	452.22	244.13	2.85	AGAB		Moderate chl/ser/sil alt, qtz/carb str	

Specific Gravity

From	To	Length (m)	Weight Ai...	Weight ...	Delta	SG	Litho Code	Standard ID	Comments	
888.20	888.35	0.15	747.76	483.15	264.61	2.83	AGAB		very weak ser alt	
890.00	890.01	0.01	281.49	175.33	106.16	2.65		STD2		
897.86	898.00	0.14	793.14	508.64	284.50	2.79	AGAB		Weak/moderate chl alt, 1% qtz/carb str, trace py	
906.33	906.48	0.15	773.69	500.14	273.55	2.83	AGAB		Weak chl, trace py	
915.63	915.82	0.19	962.68	623.98	338.70	2.84	AGAB		Weak chl, spinifex texture	
919.51	919.68	0.17	820.76	530.95	289.81	2.83	AGAB		Relatively fresh	
925.67	925.82	0.15	697.56	444.58	252.98	2.76	LAMP		Relatively fresh, trace py	
932.82	933.00	0.18	829.47	533.08	296.39	2.80	AGAB		Weak/moderate chl/sil alt	
938.31	938.45	0.14	662.87	426.88	235.99	2.81	AGAB		Weak/moderate chl/sil alt	
947.05	947.23	0.18	784.63	507.27	277.36	2.83	AGAB		Weak/moderate chl, trace py	
955.67	955.85	0.18	888.34	571.94	316.40	2.81	AGAB		Moderate chl, qtz/carb str	
960.00	960.01	0.01	281.50	175.28	106.22	2.65		STD2		
967.20	967.32	0.12	694.41	452.31	242.10	2.87	AGAB		Weak/moderate chl	

Appendix D

REPORT ON A DIAMOND DRILLING PROGRAM AT THE REED-ROBINSON CLAIM GROUP
IQ Logger Oriented Structure Measurements

Drillhole	Depth (m)	Structure Description	Structure Code	Comments	Alpha	Beta	Gamma	Dip	Dip Direction (TN)	Easting (TN)	Northing (TN)	Elevation (TN)	Hole Path	Hole Dip	Hole Azimuth	Logger Name
EO-22-004	10.54	barren qz-carb vein	QzCrbV	Stringer	33.38	231.11		41.3	65.3	562148.4	5326545.8	324.4	SPRINT-IQ	-55	345.21	Martin Levasseur
EO-22-004	16.1	barren qz-carb vein	QzCrbV	Stringer with minor chl alt	31.4	201.34		28.0	26.6	562147.6	5326548.9	319.8	SPRINT-IQ	-54.92	345.09	Martin Levasseur
EO-22-004	33.37	barren qz-carb vein	QzCrbV	Stringer with minor chl and ser alt	27.86	32.33		87.4	13.5	562145.0	5326558.5	305.7	SPRINT-IQ	-54.99	345.24	Martin Levasseur
EO-22-004	35.94	Contact	CONTACT		26.7	21.43		83.7	4.4	562144.7	5326559.9	303.6	SPRINT-IQ	-54.99	345.24	Martin Levasseur
EO-22-004	37.37	barren qz-carb vein	QzCrbV		36.09	320.18		82.8	133.9	562144.5	5326560.7	302.4	SPRINT-IQ	-54.98	345.3	Martin Levasseur
EO-22-004	42.68	Mineralized QzCrbV	QzCrbV+MNZ	stringer trace py	31.25	336.43		88.6	325.2	562143.7	5326563.7	298.0	SPRINT-IQ	-55	345.23	Martin Levasseur
EO-22-004	46.53	Barren shear	SHR	Second measurement	26.31	344.97		82.3	331.7	562143.1	5326565.8	294.9	SPRINT-IQ	-54.95	345.29	Martin Levasseur
EO-22-004	47	Mineralized QzCrbV	QzCrbV+MNZ	trace py	42.14	184.78		13.2	1.0	562143.1	5326566.1	294.5	SPRINT-IQ	-54.95	345.29	Martin Levasseur
EO-22-004	49.73	Mineralized QzCrbV	QzCrbV+MNZ	1-2% Py	36.58	121.5		43.2	255.4	562142.7	5326567.6	292.3	SPRINT-IQ	-54.93	345.34	Martin Levasseur
EO-22-004	50.16	Mineralized QzCrbV	QzCrbV+MNZ	trace py	29.34	116.13		51.6	257.7	562142.6	5326567.8	291.9	SPRINT-IQ	-54.93	345.35	Martin Levasseur
EO-22-004	57.97	barren qz-carb vein	QzCrbV	stringer very weakly k-spar altered	38.37	157.56		22.4	293.6	562141.5	5326572.2	285.5	SPRINT-IQ	-54.87	345.41	Martin Levasseur
EO-22-004	58.44	barren qz-carb vein	QzCrbV	stringer very weakly k-spar altered	49.14	151.5		18.3	261.8	562141.4	5326572.4	285.1	SPRINT-IQ	-54.87	345.41	Martin Levasseur
EO-22-004	60.96	barren qz-carb vein	QzCrbV	stringer	41.41	176.83		13.6	335.3	562141.0	5326573.8	283.1	SPRINT-IQ	-54.86	345.44	Martin Levasseur
EO-22-004	62.21	barren qz-carb vein	QzCrbV	Stringer	40.76	145.16		26.9	272.5	562140.8	5326574.5	282.1	SPRINT-IQ	-54.85	345.44	Martin Levasseur
EO-22-004	62.3	Mineralized QzCrbV	QzCrbV+MNZ	stringer 1-2% Py	14.84	91.85		76.9	248.3	562140.8	5326574.6	282.0	SPRINT-IQ	-54.85	345.45	Martin Levasseur
EO-22-004	65.34	Barren shear	SHR		34.68	358.12		89.5	343.9	562140.4	5326576.3	279.5	SPRINT-IQ	-54.79	345.43	Martin Levasseur
EO-22-004	67.84	barren qz-carb vein	QzCrbV	stringer	19.44	331.93		78.0	318.5	562140.0	5326577.7	277.5	SPRINT-IQ	-54.76	345.45	Martin Levasseur
EO-22-004	73.45	Mineralized QzCrbV	QzCrbV+MNZ	1-2% Py	41.91	178.95		12.8	341.9	562139.2	5326580.8	272.9	SPRINT-IQ	-54.73	345.47	Martin Levasseur
EO-22-004	81.8	barren qz-carb vein	QzCrbV	Stringer	32.7	109.17		53.1	249.2	562138.0	5326585.5	266.1	SPRINT-IQ	-54.61	345.47	Martin Levasseur
EO-22-004	83.83	barren qz-carb vein	QzCrbV	Stringer	46.41	53.95		69.2	202.1	562137.7	5326586.6	264.4	SPRINT-IQ	-54.56	345.46	Martin Levasseur
EO-22-004	83.95	Barren shear	SHR	Measurement 1	47.15	343.39		77.3	154.0	562137.7	5326586.7	264.3	SPRINT-IQ	-54.56	345.46	Martin Levasseur
EO-22-004	84.73	barren qz-carb vein	QzCrbV	Stringer along edge of shear zone	52.62	156.94		13.8	254.1	562137.6	5326587.1	263.7	SPRINT-IQ	-54.55	345.46	Martin Levasseur
EO-22-004	89.39	barren qz-carb vein	QzCrbV		35.06	137.94		34.9	271.9	562136.9	5326589.7	259.9	SPRINT-IQ	-54.51	345.49	Martin Levasseur
EO-22-004	91.38	Barren shear	SHR		26.93	209.04		34.8	34.8	562136.6	5326590.9	258.3	SPRINT-IQ	-54.5	345.46	Martin Levasseur
EO-22-004	91.41	barren qz-carb vein	QzCrbV		38.93	219.26		30.5	61.2	562136.6	5326590.9	258.2	SPRINT-IQ	-54.5	345.46	Martin Levasseur
EO-22-004	91.92	barren qz-carb vein	QzCrbV	Stringer	41.23	206.7		22.1	49.5	562136.5	5326591.2	257.8	SPRINT-IQ	-54.49	345.44	Martin Levasseur
EO-22-004	122.2	barren qz-carb vein	QzCrbV		19.11	256.96		67.0	76.9	562132.1	5326608.3	233.2	SPRINT-IQ	-54.14	345.71	Martin Levasseur
EO-22-004	126.2	barren qz-carb vein	QzCrbV	Stringer	60.23	130.05		27.1	222.5	562131.6	5326610.5	230.0	SPRINT-IQ	-54.12	345.82	Martin Levasseur
EO-22-004	130.69	barren qz-carb vein	QzCrbV	Stringer with ser+chl alt	18.98	236.04		55.0	59.0	562130.9	5326613.1	226.4	SPRINT-IQ	-54.09	345.84	Martin Levasseur
EO-22-004	130.97	barren qz-carb vein	QzCrbV	Stringer with ser+chl alt	19.88	246.53		60.3	69.0	562130.9	5326613.3	226.1	SPRINT-IQ	-54.09	345.85	Martin Levasseur
EO-22-004	138.71	barren qz-carb vein	QzCrbV		33.55	117.27		47.8	254.8	562129.8	5326617.7	219.9	SPRINT-IQ	-54.06	345.93	Martin Levasseur
EO-22-004	141.69	Barren shear	SHR	Chl shr measurement 2	24.65	223.22		43.4	50.9	562129.3	5326619.4	217.4	SPRINT-IQ	-54.02	345.96	Martin Levasseur
EO-22-004	150.61	barren qz-carb vein	QzCrbV		24	129.79		47.7	274.4	562128.1	5326624.4	210.2	SPRINT-IQ	-53.93	346.03	Martin Levasseur
EO-22-004	152.05	barren qz-carb vein	QzCrbV	Stringer with minor anomalous kspar +Ser alt	40.01	167.65		16.2	310.1	562127.9	5326625.3	209.1	SPRINT-IQ	-53.92	346.04	Martin Levasseur
EO-22-004	157.16	Contact	CONTACT		60.13	304		57.6	136.8	562127.1	5326628.2	204.9	SPRINT-IQ	-53.9	346.13	Martin Levasseur
EO-22-004	157.43	barren qz-carb vein	QzCrbV	Stringer	8.91	161.67		47.3	321.1	562127.1	5326628.3	204.7	SPRINT-IQ	-53.9	346.13	Martin Levasseur
EO-22-004	160.29	barren qz-carb vein	QzCrbV	Strinnger plus weak chl+ser alt	57.77	6.41		68.2	169.8	562126.7	5326630.0	202.4	SPRINT-IQ	-53.88	346.15	Martin Levasseur
EO-22-004	167.14	barren qz-carb vein	QzCrbV	Larger qtzcarb vein with kspar alt	20.99	142.44		43.5	290.5	562125.7	5326633.9	196.9	SPRINT-IQ	-53.9	346.31	Martin Levasseur
EO-22-004	169.89	barren qz-carb vein	QzCrbV	Stringer	9.61	288.66		87.1	277.1	562125.4	5326635.5	194.7	SPRINT-IQ	-53.86	346.37	Martin Levasseur
EO-22-004	193.16	barren qz-carb vein	QzCrbV	Stringer	10.97	97.01		77.0	255.7	562122.1	5326648.8	175.9	SPRINT-IQ	-53.74	346.63	Martin Levasseur

Core Alignment: Bottom of Core
REFLEX IQ-LOGGER - 3481F40142B4

Coordinates: UTM NAD83 Zone 17

Appendix D

REPORT ON A DIAMOND DRILLING PROGRAM AT THE REED-ROBINSON CLAIM GROUP
IQ Logger Oriented Structure Measurements

Drillhole	Depth (m)	Structure Description	Structure Code	Comments	Alpha	Beta	Gamma	Dip	Dip Direction (TN)	Easting (TN)	Northing (TN)	Elevation (TN)	Hole Path	Hole Dip	Hole Azimuth	Logger Name
EO-22-004	197.5	Mineralized QzCrbV	QzCrbV+MNZ	Fracture fill with 1-2% Py along upper contact	67.94	291.5		48.3	138.7	562121.6	5326651.3	172.4	SPRINT-IQ	-53.72	346.63	Martin Levasseur
EO-22-004	197.88	Contact	CONTACT	Upper contact of the mafic dyke	56.22	334.28		68.1	151.6	562121.5	5326651.6	172.1	SPRINT-IQ	-53.72	346.63	Martin Levasseur
EO-22-004	200.56	barren qz-carb vein	QzCrbV	Stringer	22.73	137.28		44.6	283.6	562121.1	5326653.1	169.9	SPRINT-IQ	-53.7	346.69	Martin Levasseur
EO-22-004	203.42	barren qz-carb vein	QzCrbV	Nearly shr-like with chl alteration	8.77	336.26		65.6	320.8	562120.7	5326654.8	167.6	SPRINT-IQ	-53.68	346.65	Martin Levasseur
EO-22-004	204.51	barren qz-carb vein	QzCrbV	Stringer	16.64	328.65		75.3	315.6	562120.6	5326655.4	166.7	SPRINT-IQ	-53.68	346.65	Martin Levasseur
EO-22-004	215.04	Barren shear	SHR	Chl shear	31.04	303.85		82.4	120.9	562119.2	5326661.5	158.3	SPRINT-IQ	-53.61	346.77	Martin Levasseur
EO-22-004	215.85	Barren shear	SHR		8.71	342.85		64.0	327.9	562119.1	5326661.9	157.6	SPRINT-IQ	-53.61	346.78	Martin Levasseur
EO-22-004	216.97	Barren shear	SHR		54.73	190.45		6.2	91.4	562118.9	5326662.6	156.7	SPRINT-IQ	-53.6	346.8	Martin Levasseur
EO-22-004	219.86	barren qz-carb vein	QzCrbV	Stringer	29.16	246.9		53.5	77.8	562118.5	5326664.2	154.4	SPRINT-IQ	-53.59	346.84	Martin Levasseur
EO-22-004	224.12	Mineralized QzCrbV	QzCrbV+MNZ	1-2% Py along UC	16.26	170.22		38.1	331.6	562117.9	5326666.7	150.9	SPRINT-IQ	-53.54	346.91	Martin Levasseur
EO-22-004	230.92	barren qz-carb vein	QzCrbV	Stringer	24.95	296.2		84.2	112.2	562117.0	5326670.6	145.5	SPRINT-IQ	-53.49	347.01	Martin Levasseur
EO-22-004	231.49	barren qz-carb vein	QzCrbV	Stringer	40.91	181.88		12.6	353.5	562116.9	5326671.0	145.0	SPRINT-IQ	-53.49	347.02	Martin Levasseur
EO-22-004	232.5	Contact	CONTACT		26.39	103.6		61.1	250.8	562116.8	5326671.6	144.2	SPRINT-IQ	-53.48	347.05	Martin Levasseur
EO-22-004	251.46	barren qz-carb vein	QzCrbV	Stringer	18.28	7.41		71.9	354.7	562114.3	5326682.6	129.0	SPRINT-IQ	-53.34	347.27	Martin Levasseur
EO-22-004	251.95	Mineralized QzCrbV	QzCrbV+MNZ	Fracture fill with 1-2% Py	34.1	325.07		87.5	138.9	562114.2	5326682.9	128.6	SPRINT-IQ	-53.33	347.27	Martin Levasseur
EO-22-004	253.75	barren qz-carb vein	QzCrbV	Stringer	26.19	319.45		86.9	311.5	562114.0	5326683.9	127.1	SPRINT-IQ	-53.31	347.26	Martin Levasseur
EO-22-004	261.77	Barren shear	SHR		39.39	356.92		87.3	165.0	562112.9	5326688.6	120.7	SPRINT-IQ	-53.25	347.38	Martin Levasseur
EO-22-004	262.94	barren qz-carb vein	QzCrbV	Stringer	17.59	111.82		63.0	264.0	562112.8	5326689.3	119.8	SPRINT-IQ	-53.24	347.4	Martin Levasseur
EO-22-004	266.89	barren qz-carb vein	QzCrbV	Stringer	38.45	188.28		15.8	11.9	562112.3	5326691.6	116.6	SPRINT-IQ	-53.19	347.44	Martin Levasseur
EO-22-004	271.48	barren qz-carb vein	QzCrbV	Vein with weak ser alt	44.83	192.33		11.6	36.5	562111.7	5326694.3	112.9	SPRINT-IQ	-53.16	347.5	Martin Levasseur
EO-22-004	271.83	barren qz-carb vein	QzCrbV	Vein with weak ser alt	49.67	131.48		29.9	244.3	562111.6	5326694.5	112.7	SPRINT-IQ	-53.15	347.51	Martin Levasseur
EO-22-004	272.73	barren qz-carb vein	QzCrbV	Stringer with weak ser alt	52.66	219.14		23.3	92.2	562111.5	5326695.0	111.9	SPRINT-IQ	-53.14	347.52	Martin Levasseur
EO-22-004	278.26	Mineralized QzCrbV	QzCrbV+MNZ	Stringer with 1% Py	48.07	108.6		43.7	234.0	562110.8	5326698.2	107.5	SPRINT-IQ	-53.09	347.61	Martin Levasseur
EO-22-004	278.53	Mineralized QzCrbV	QzCrbV+MNZ	Stringer with 1% py	31.16	346.48		85.1	336.0	562110.8	5326698.4	107.3	SPRINT-IQ	-53.08	347.61	Martin Levasseur
EO-22-004	280.7	Barren shear	SHR		39.55	21.47		85.5	184.1	562110.5	5326699.7	105.6	SPRINT-IQ	-53.06	347.64	Martin Levasseur
EO-22-004	280.89	Barren quartz vein	QzV	Stringer	46.95	10.32		79.6	174.8	562110.5	5326699.8	105.4	SPRINT-IQ	-53.06	347.65	Martin Levasseur
EO-22-004	281.79	Barren quartz vein	QzV	Stringers	43.74	1.09		83.2	168.5	562110.4	5326700.3	104.7	SPRINT-IQ	-53.05	347.66	Martin Levasseur
EO-22-004	288.3	Foliation	FOL	Foliation weak shr	37.3	19.65		88.1	183.3	562109.5	5326704.1	99.5	SPRINT-IQ	-52.99	347.76	Martin Levasseur
EO-22-004	294.58	barren qz-carb vein	QzCrbV	Stringer	20.18	107.86		63.3	259.3	562108.7	5326707.8	94.5	SPRINT-IQ	-52.95	347.9	Martin Levasseur
EO-22-004	300	barren qz-carb vein	QzCrbV	Stringer	26.68	353.48		79.8	342.1	562108.0	5326711.0	90.2	SPRINT-IQ	-52.91	348.02	Martin Levasseur
EO-22-004	302.66	barren qz-carb vein	QzCrbV	Stringer	15.3	306.56		82.2	296.5	562107.7	5326712.6	88.0	SPRINT-IQ	-52.88	347.98	Martin Levasseur
EO-22-004	303.01	Mineralized QzCrbV	QzCrbV+MNZ	Stringer 2-3% Py	71.74	319.51		52.2	153.1	562107.7	5326712.8	87.8	SPRINT-IQ	-52.88	347.98	Martin Levasseur
EO-22-004	306.14	barren qz-carb vein	QzCrbV	Stringer	29.45	329.42		86.5	321.7	562107.3	5326714.7	85.3	SPRINT-IQ	-52.86	347.99	Martin Levasseur
EO-22-004	315	barren qz-carb vein	QzCrbV	Stringer	29.96	340.71		84.4	331.4	562106.2	5326719.9	78.2	SPRINT-IQ	-52.79	348.11	Martin Levasseur
EO-22-004	317.77	barren qz-carb vein	QzCrbV	Stringer	26.87	309.58		89.1	124.7	562105.8	5326721.5	76.0	SPRINT-IQ	-52.76	348.13	Martin Levasseur
EO-22-004	320.8	Barren shear	SHR		30.88	289.62		76.5	111.9	562105.4	5326723.3	73.6	SPRINT-IQ	-52.69	348.15	Martin Levasseur
EO-22-004	321.57	barren qz-carb vein	QzCrbV	Stringer	41.16	302.47		73.9	126.7	562105.3	5326723.8	73.0	SPRINT-IQ	-52.67	348.14	Martin Levasseur
EO-22-004	328.68	Mineralized QzCrbV	QzCrbV+MNZ	Stringer 2-3% Py+Po	38.13	288.54		70.2	115.8	562104.5	5326728.0	67.3	SPRINT-IQ	-52.59	348.23	Martin Levasseur
EO-22-004	334.5	barren qz-carb vein	QzCrbV	Stringer	21.12	354		73.9	342.5	562103.7	5326731.5	62.7	SPRINT-IQ	-52.55	348.33	Martin Levasseur
EO-22-004	340.29	barren qz-carb vein	QzCrbV		24.94	317.38		85.9	310.4	562103.0	5326734.9	58.1	SPRINT-IQ	-52.5	348.38	Martin Levasseur
EO-22-004	376.12	barren qz-carb vein	QzCrbV		10.82	314.34		74.3	302.2	562098.8	5326756.4	29.7	SPRINT-IQ	-52.31	349.05	Martin Levasseur
EO-22-004	378.8	barren qz-carb vein	QzCrbV		40.69	330.29		83.5	146.8	562098.5	5326758.0	27.6	SPRINT-IQ	-52.26	349.06	Martin Levasseur
EO-22-004	379.57	barren qz-carb vein	QzCrbV		22.87	5.48		75.3	354.3	562098.4	5326758.4	27.0	SPRINT-IQ	-52.25	349.08	Martin Levasseur
EO-22-004	385.82	barren qz-carb vein	QzCrbV	Stringer	6.71	126.52		62.9	285.4	562097.7	5326762.2	22.1	SPRINT-IQ	-52.15	349.11	Martin Levasseur

Core Alignment: Bottom of Core
REFLEX IQ-LOGGER - 3481F40142B4

Coordinates: UTM NAD83 Zone 17

Appendix D

REPORT ON A DIAMOND DRILLING PROGRAM AT THE REED-ROBINSON CLAIM GROUP
IQ Logger Oriented Structure Measurements

Drillhole	Depth (m)	Structure Description	Structure Code	Comments	Alpha	Beta	Gamma	Dip	Dip Direction (TN)	Easting (TN)	Northing (TN)	Elevation (TN)	Hole Path	Hole Dip	Hole Azimuth	Logger Name
EO-22-004	386.9	Barren quartz vein	QzV	Stringer	67.29	222.04		25.3	131.9	562097.5	5326762.9	21.2	SPRINT-IQ	-52.12	349.09	Martin Levasseur
EO-22-004	393.82	barren qz-carb vein	QzCrbV		52.1	251.34		42.0	108.5	562096.7	5326767.0	15.7	SPRINT-IQ	-52.06	348.94	Martin Levasseur
EO-22-004	396.23	Mineralized QzCrbV	QzCrbV+MNZ		36.66	282.43		68.6	111.7	562096.4	5326768.5	13.8	SPRINT-IQ	-52.02	348.94	Martin Levasseur
EO-22-004	396.9	barren qz-carb vein	QzCrbV		39.4	29.11		85.1	191.1	562096.4	5326768.9	13.3	SPRINT-IQ	-52.02	348.94	Martin Levasseur
EO-22-004	399.4	Mineralized QzCrbV	QzCrbV+MNZ	Qtzcarb flooding in breccia zone	35.36	231.37		39.7	74.9	562096.1	5326770.4	11.3	SPRINT-IQ	-52.01	348.95	Martin Levasseur
EO-22-004	402.55	barren qz-carb vein	QzCrbV		21.3	331.1		77.5	321.5	562095.7	5326772.3	8.9	SPRINT-IQ	-51.98	348.99	Martin Levasseur
EO-22-004	406.49	barren qz-carb vein	QzCrbV		21.22	349.56		73.8	338.9	562095.2	5326774.7	5.8	SPRINT-IQ	-51.97	349.05	Martin Levasseur
EO-22-004	406.79	barren qz-carb vein	QzCrbV		27.34	330.51		83.4	322.9	562095.2	5326774.9	5.5	SPRINT-IQ	-51.96	349.05	Martin Levasseur
EO-22-004	409.5	Barren shear	SHR		41.1	115.07		44.4	246.4	562094.9	5326776.5	3.4	SPRINT-IQ	-51.94	349.1	Martin Levasseur
EO-22-004	411.38	barren qz-carb vein	QzCrbV		36.29	329.83		87.9	145.2	562094.7	5326777.6	1.9	SPRINT-IQ	-51.92	349.15	Martin Levasseur
EO-22-004	411.86	Contact	CONTACT		46.9	15.85		80.3	180.1	562094.6	5326777.9	1.5	SPRINT-IQ	-51.92	349.14	Martin Levasseur
EO-22-004	418.07	Mineralized qz vein	QzV+MNZ		41.43	270.99		59.2	108.4	562093.9	5326781.7	-3.4	SPRINT-IQ	-51.9	349.25	Martin Levasseur
EO-22-004	431.59	barren qz-carb vein	QzCrbV		19.18	79.16		81.5	239.2	562092.3	5326789.9	-14.0	SPRINT-IQ	-51.82	349.46	Martin Levasseur
EO-22-004	434.33	Barren shear	SHR		29.52	297.38		82.0	118.2	562092.0	5326791.6	-16.1	SPRINT-IQ	-51.82	349.49	Martin Levasseur
EO-22-004	434.68	barren qz-carb vein	QzCrbV	Stringer ser alt	40.87	35.39		82.3	195.7	562092.0	5326791.8	-16.4	SPRINT-IQ	-51.82	349.5	Martin Levasseur
EO-22-004	436.81	barren qz-carb vein	QzCrbV	Stringer ser alt	57.76	348.1		70.0	162.8	562091.8	5326793.1	-18.1	SPRINT-IQ	-51.8	349.51	Martin Levasseur
EO-22-004	457.09	barren qz-carb vein	QzCrbV	Stringer set alt	52.9	285.77		58.4	126.9	562089.5	5326805.4	-34.0	SPRINT-IQ	-51.73	349.84	Martin Levasseur
EO-22-004	460	barren qz-carb vein	QzCrbV	Stringer	44.6	141.34		26.4	260.0	562089.2	5326807.2	-36.3	SPRINT-IQ	-51.69	349.89	Martin Levasseur
EO-22-004	460.2	barren qz-carb vein	QzCrbV	Stringer	53.01	110.21		40.9	229.4	562089.2	5326807.3	-36.5	SPRINT-IQ	-51.69	349.89	Martin Levasseur
EO-22-004	460.2	Contact	CONTACT		23.12	321.2		82.2	314.3	562089.2	5326807.3	-36.5	SPRINT-IQ	-51.69	349.89	Martin Levasseur
EO-22-004	460.73	barren qz-carb vein	QzCrbV	Stringer	21.53	206.69		36.6	34.5	562089.1	5326807.6	-36.9	SPRINT-IQ	-51.67	349.9	Martin Levasseur
EO-22-004	461.45	Contact	CONTACT		33.53	356.26		85.3	346.8	562089.0	5326808.1	-37.4	SPRINT-IQ	-51.65	349.9	Martin Levasseur
EO-22-004	469	barren qz-carb vein	QzCrbV	Stringer	13.32	327.23		70.9	316.2	562088.2	5326812.7	-43.4	SPRINT-IQ	-51.63	350.04	Martin Levasseur
EO-22-004	469.81	barren qz-carb vein	QzCrbV	Stringer	37.28	170.44		15.9	321.1	562088.1	5326813.2	-44.0	SPRINT-IQ	-51.62	350.05	Martin Levasseur
EO-22-004	470.94	Contact	CONTACT		35.34	289.17		73.3	116.5	562088.0	5326813.9	-44.9	SPRINT-IQ	-51.6	350.07	Martin Levasseur
EO-22-004	471.2	Flt plane - no gouge	FLT	Measurement1	35.91	272.42		64.0	105.9	562088.0	5326814.0	-45.1	SPRINT-IQ	-51.6	350.07	Martin Levasseur
EO-22-004	471.24	barren qz-carb vein	QzCrbV		49.11	274.48		55.9	118.1	562088.0	5326814.1	-45.1	SPRINT-IQ	-51.6	350.07	Martin Levasseur
EO-22-004	471.45	Flt plane - no gouge	FLT	Measurement 2	54.83	271.69		51.0	122.2	562088.0	5326814.2	-45.3	SPRINT-IQ	-51.6	350.07	Martin Levasseur
EO-22-004	475.16	Foliation	FOL		41.71	258.28		52.0	102.1	562087.6	5326816.5	-48.2	SPRINT-IQ	-51.58	350.11	Martin Levasseur
EO-22-004	475.35	Fault with gouge	FLT+gg		64.79	275.66		46.9	134.7	562087.5	5326816.6	-48.3	SPRINT-IQ	-51.58	350.12	Martin Levasseur
EO-22-004	475.76	Contact	CONTACT		80.25	268.99		39.3	154.6	562087.5	5326816.8	-48.7	SPRINT-IQ	-51.58	350.13	Martin Levasseur
EO-22-004	475.89	Barren quartz vein	QzV		24.72	79.38		77.1	236.5	562087.5	5326816.9	-48.8	SPRINT-IQ	-51.58	350.13	Martin Levasseur
EO-22-004	476.74	Contact	CONTACT		39.29	282.31		66.8	114.8	562087.4	5326817.4	-49.4	SPRINT-IQ	-51.57	350.14	Martin Levasseur
EO-22-004	481	barren qz-carb vein	QzCrbV	Stringer with minor hem alt	12.13	272.39		82.0	89.7	562086.9	5326820.0	-52.8	SPRINT-IQ	-51.55	350.23	Martin Levasseur
EO-22-004	484.9	barren qz-carb vein	QzCrbV	Stringer with minor chl alt	22.76	244.97		56.9	75.9	562086.5	5326822.4	-55.8	SPRINT-IQ	-51.54	350.29	Martin Levasseur
EO-22-004	485.55	Contact	CONTACT		65.77	249.93		36.7	130.2	562086.5	5326822.8	-56.3	SPRINT-IQ	-51.55	350.3	Martin Levasseur
EO-22-004	488.72	Foliation	FOL	CHL stringer clusters foliation	58.28	270.99		48.7	125.9	562086.1	5326824.8	-58.8	SPRINT-IQ	-51.5	350.32	Martin Levasseur
EO-22-004	494.74	barren qz-carb vein	QzCrbV		29.86	275.51		70.3	103.9	562085.5	5326828.5	-63.5	SPRINT-IQ	-51.47	350.39	Martin Levasseur
EO-22-004	496.39	Foliation	FOL	CHL stringer clusters foliation	60.58	259.51		42.5	124.8	562085.3	5326829.5	-64.8	SPRINT-IQ	-51.47	350.4	Martin Levasseur
EO-22-004	497.33	Foliation	FOL	CHL stringer clusters foliation	63.77	302		56.2	143.6	562085.2	5326830.1	-65.6	SPRINT-IQ	-51.46	350.39	Martin Levasseur
EO-22-004	502.54	barren qz-carb vein	QzCrbV	Cluster of stringers	28.53	0.52		79.9	350.9	562084.7	5326833.3	-69.6	SPRINT-IQ	-51.4	350.47	Martin Levasseur
EO-22-004	505.43	barren qz-carb vein	QzCrbV		38.85	224.28		33.1	75.9	562084.4	5326835.0	-71.9	SPRINT-IQ	-51.38	350.49	Martin Levasseur
EO-22-004	506.59	Foliation	FOL	CHL stringer clusters foliation	53.67	292.43		60.8	131.6	562084.3	5326835.8	-72.8	SPRINT-IQ	-51.37	350.51	Martin Levasseur
EO-22-004	513.26	Foliation	FOL	CHL stringer clusters foliation	66.15	305.73		55.5	147.2	562083.6	5326839.9	-78.0	SPRINT-IQ	-51.32	350.63	Martin Levasseur
EO-22-004	526.62	Mineralized QzCrbV	QzCrbV+MNZ		24.34	74.86		80.1	234.2	562082.3	5326848.1	-88.4	SPRINT-IQ	-51.26	350.95	Martin Levasseur
EO-22-004	537.73	barren qz-carb vein	QzCrbV	Stringer	37.76	164.85		17.2	306.8	562081.2	5326855.0	-97.1	SPRINT-IQ	-51.2	351.17	Martin Levasseur

Core Alignment: Bottom of Core
REFLEX IQ-LOGGER - 3481F40142B4

Coordinates: UTM NAD83 Zone 17

Appendix D

REPORT ON A DIAMOND DRILLING PROGRAM AT THE REED-ROBINSON CLAIM GROUP
IQ Logger Oriented Structure Measurements

Drillhole	Depth (m)	Structure Description	Structure Code	Comments	Alpha	Beta	Gamma	Dip	Dip Direction (TN)	Easting (TN)	Northing (TN)	Elevation (TN)	Hole Path	Hole Dip	Hole Azimuth	Logger Name
EO-22-004	540.56	Foliation	FOL	CHL stringer clusters foliation	64.21	167.84		14.5	192.7	562080.9	5326856.7	-99.3	SPRINT-IQ	-51.19	351.23	Martin Levasseur
EO-22-004	545.41	barren qz-carb vein	QzCrbV		25.37	57.09		88.5	220.8	562080.4	5326859.7	-103.1	SPRINT-IQ	-51.15	351.39	Martin Levasseur
EO-22-004	547.51	Barren shear	SHR		58.75	313.26		63.7	146.5	562080.2	5326861.0	-104.7	SPRINT-IQ	-51.13	351.43	Martin Levasseur
EO-22-004	581.37	Mineralized QzCrbV	QzCrbV+MNZ	6cm wide 1-2% Py qtzcarb vein	27.33	346.25		79.0	339.5	562077.1	5326882.2	-131.0	SPRINT-IQ	-50.75	351.89	Martin Levasseur
EO-22-004	582.95	barren qz-carb vein	QzCrbV		26.16	177.5		24.7	346.5	562077.0	5326883.2	-132.2	SPRINT-IQ	-50.76	351.93	Martin Levasseur
EO-22-004	583.27	barren qz-carb vein	QzCrbV		33.4	182.16		17.4	358.0	562077.0	5326883.4	-132.4	SPRINT-IQ	-50.76	351.93	Martin Levasseur
EO-22-004	585.25	barren qz-carb vein	QzCrbV	Stringer with trace Py	22.9	153.06		34.8	305.0	562076.8	5326884.6	-134.0	SPRINT-IQ	-50.77	351.99	Martin Levasseur
EO-22-004	586.25	barren qz-carb vein	QzCrbV	Stringer	40.93	112.69		46.2	246.9	562076.7	5326885.2	-134.8	SPRINT-IQ	-50.75	352.01	Martin Levasseur
EO-22-004	588.67	Contact	CONTACT		38.43	23.4		88.5	190.2	562076.5	5326886.8	-136.6	SPRINT-IQ	-50.71	352.05	Martin Levasseur
EO-22-004	619.96	Barren quartz vein	QzV		45.76	55.54		72.3	209.7	562073.8	5326906.4	-160.8	SPRINT-IQ	-50.7	352.55	Martin Levasseur
EO-22-004	620	Barren shear	SHR		50.03	60.25		67.0	209.9	562073.8	5326906.4	-160.9	SPRINT-IQ	-50.7	352.55	Martin Levasseur
EO-22-004	622.5	Barren quartz vein	QzV		27.4	340.91		79.9	335.4	562073.6	5326908.0	-162.8	SPRINT-IQ	-50.73	352.58	Martin Levasseur
EO-22-004	644.4	Mineralized QzCrbV	QzCrbV+MNZ		16.72	243.67		60.5	73.2	562071.9	5326921.8	-179.7	SPRINT-IQ	-50.63	352.89	Martin Levasseur
EO-22-004	650.53	Mineralized QzCrbV	QzCrbV+MNZ	Trace to 1% Py seen along rims of 2cm wide qtzcarb vein	30.48	326.93		86.1	324.9	562071.4	5326925.6	-184.5	SPRINT-IQ	-50.51	352.97	Martin Levasseur
EO-22-004	652.65	Foliation	FOL		23.96	11.59		75.2	4.0	562071.2	5326927.0	-186.1	SPRINT-IQ	-50.51	353.01	Martin Levasseur
EO-22-004	693.85	Contact	CONTACT		72.15	48.41		52.9	190.1	562068.2	5326953.0	-217.9	SPRINT-IQ	-50.41	353.38	Martin Levasseur
EO-22-004	694.05	Contact	CONTACT		73.15	22.27		55.5	181.1	562068.1	5326953.1	-218.1	SPRINT-IQ	-50.41	353.38	Martin Levasseur
EO-22-004	695.78	barren qz-carb vein	QzCrbV	Stringer	44.61	355.79		84.9	170.4	562068.0	5326954.2	-219.4	SPRINT-IQ	-50.38	353.37	Martin Levasseur
EO-22-004	697.21	barren qz-carb vein	QzCrbV	Stringer	55.68	348.55		73.5	166.7	562067.9	5326955.1	-220.5	SPRINT-IQ	-50.37	353.39	Martin Levasseur
EO-22-004	699.43	barren qz-carb vein	QzCrbV	Stringer	15.79	352.95		66.4	346.0	562067.7	5326956.5	-222.2	SPRINT-IQ	-50.35	353.42	Martin Levasseur
EO-22-004	704.38	barren qz-carb vein	QzCrbV	Stringer	28.01	22.2		80.7	13.2	562067.4	5326959.6	-226.0	SPRINT-IQ	-50.3	353.41	Martin Levasseur
EO-22-004	705.78	barren qz-carb vein	QzCrbV	Stringer	20.85	1.58		71.1	355.0	562067.3	5326960.5	-227.1	SPRINT-IQ	-50.27	353.4	Martin Levasseur
EO-22-004	710.69	barren qz-carb vein	QzCrbV	Stringer	32.44	44.22		88.6	209.4	562066.9	5326963.6	-230.9	SPRINT-IQ	-50.2	353.31	Martin Levasseur
EO-22-004	711.62	barren qz-carb vein	QzCrbV	Stringer	27.54	83.13		73.3	240.1	562066.9	5326964.2	-231.6	SPRINT-IQ	-50.19	353.31	Martin Levasseur
EO-22-004	713.84	Contact	CONTACT		78.36	282.84		43.7	156.8	562066.7	5326965.6	-233.3	SPRINT-IQ	-50.13	353.33	Martin Levasseur
EO-22-004	742.41	Fault with gouge	FLT+gg		46.21	34.24		79.2	197.0	562064.6	5326983.9	-255.2	SPRINT-IQ	-50.11	353.65	Martin Levasseur
EO-22-004	744.33	Foliation	FOL		31.72	326.36		87.1	325.4	562064.5	5326985.1	-256.7	SPRINT-IQ	-50.07	353.6	Martin Levasseur
EO-22-004	744.77	Fault with gouge	FLT+gg		25.41	347.86		76.2	342.3	562064.5	5326985.4	-257.0	SPRINT-IQ	-50.06	353.57	Martin Levasseur
EO-22-004	745.39	barren qz-carb vein	QzCrbV	Stringer	33.24	353.95		83.5	348.4	562064.4	5326985.8	-257.5	SPRINT-IQ	-50.05	353.53	Martin Levasseur
EO-22-004	753.93	barren qz-carb vein	QzCrbV	Stringer	22.51	346.82		73.4	340.5	562063.8	5326991.2	-264.1	SPRINT-IQ	-49.99	353.18	Martin Levasseur
EO-22-004	757.36	barren qz-carb vein	QzCrbV	Stringer	47.21	345.89		82.1	163.5	562063.5	5326993.4	-266.7	SPRINT-IQ	-49.95	353.09	Martin Levasseur
EO-22-004	770.8	Contact	CONTACT		28.41	353.66		78.4	346.7	562062.4	5327002.0	-277.0	SPRINT-IQ	-49.76	352.37	Martin Levasseur
EO-22-004	771.7	Contact	CONTACT		78.6	164.27		29.4	178.6	562062.4	5327002.6	-277.6	SPRINT-IQ	-49.74	352.35	Martin Levasseur
EO-22-004	771.84	barren qz-carb vein	QzCrbV	Stringer	38.9	352.44		88.9	346.5	562062.3	5327002.7	-277.7	SPRINT-IQ	-49.74	352.35	Martin Levasseur
EO-22-004	773.39	Foliation	FOL	Measurement 1	25.15	357.35		74.9	349.8	562062.2	5327003.7	-278.9	SPRINT-IQ	-49.7	352.33	Martin Levasseur
EO-22-004	773.71	Foliation	FOL	Measurement 2	31.98	359.56		81.7	351.9	562062.2	5327003.9	-279.2	SPRINT-IQ	-49.69	352.32	Martin Levasseur
EO-22-004	773.9	barren qz-carb vein	QzCrbV	Stringer	55.89	9.06		74.2	177.6	562062.2	5327004.0	-279.3	SPRINT-IQ	-49.68	352.32	Martin Levasseur
EO-22-004	788.8	Contact	CONTACT		19.19	320.82		77.0	314.6	562060.9	5327013.6	-290.7	SPRINT-IQ	-49.54	352.35	Martin Levasseur
EO-22-004	788.95	Contact	CONTACT		30.18	26.24		83.1	15.0	562060.9	5327013.7	-290.8	SPRINT-IQ	-49.54	352.35	Martin Levasseur
EO-22-004	790.32	barren qz-carb vein	QzCrbV	Stringer	47.43	7.95		82.8	177.8	562060.7	5327014.5	-291.8	SPRINT-IQ	-49.53	352.36	Martin Levasseur
EO-22-004	791.17	barren qz-carb vein	QzCrbV	chl ser altered stringer	49.13	129.21		32.5	243.2	562060.7	5327015.1	-292.5	SPRINT-IQ	-49.52	352.37	Martin Levasseur
EO-22-004	791.45	barren qz-carb vein	QzCrbV	chl ser altered stringer	28.04	125.59		46.3	269.2	562060.6	5327015.3	-292.7	SPRINT-IQ	-49.52	352.37	Martin Levasseur
EO-22-004	791.93	barren qz-carb vein	QzCrbV	chl ser altered stringer	29.47	10.85		79.6	2.0	562060.6	5327015.6	-293.0	SPRINT-IQ	-49.51	352.38	Martin Levasseur
EO-22-004	793.52	barren qz-carb vein	QzCrbV	Stringer	54.51	352.75		75.8	168.1	562060.5	5327016.6	-294.3	SPRINT-IQ	-49.5	352.41	Martin Levasseur
EO-22-004	795.28	barren qz-carb vein	QzCrbV	chl ser altered stringer	37.3	330.4		89.3	149.3	562060.3	5327017.7	-295.6	SPRINT-IQ	-49.5	352.44	Martin Levasseur

Core Alignment: Bottom of Core
REFLEX IQ-LOGGER - 3481F40142B4

Coordinates: UTM NAD83 Zone 17

Appendix D

REPORT ON A DIAMOND DRILLING PROGRAM AT THE REED-ROBINSON CLAIM GROUP
IQ Logger Oriented Structure Measurements

Drillhole	Depth (m)	Structure Description	Structure Code	Comments	Alpha	Beta	Gamma	Dip	Dip Direction (TN)	Easting (TN)	Northing (TN)	Elevation (TN)	Hole Path	Hole Dip	Hole Azimuth	Logger Name
EO-22-004	795.79	barren qz-carb vein	QzCrbV	chl ser altered stringer	58.94	52.79		63.3	199.8	562060.3	5327018.1	-296.0	SPRINT-IQ	-49.49	352.45	Martin Levasseur
EO-22-004	796.26	barren qz-carb vein	QzCrbV	chl ser altered stringer	53.34	50.1		68.8	201.9	562060.2	5327018.4	-296.3	SPRINT-IQ	-49.49	352.46	Martin Levasseur
EO-22-004	796.54	Foliation	FOL		42.23	324.55		83.2	146.8	562060.2	5327018.5	-296.6	SPRINT-IQ	-49.48	352.46	Martin Levasseur
EO-22-004	796.77	Barren quartz vein	QzV		15.38	106.42		67.8	264.6	562060.2	5327018.7	-296.7	SPRINT-IQ	-49.48	352.47	Martin Levasseur
EO-22-004	816.58	barren qz-carb vein	QzCrbV	Stringer	37.43	292.07		74.5	122.8	562058.5	5327031.5	-311.8	SPRINT-IQ	-49.36	352.63	Martin Levasseur
EO-22-004	817.06	barren qz-carb vein	QzCrbV	Stringer	21.79	355.34		71.3	348.1	562058.5	5327031.8	-312.1	SPRINT-IQ	-49.36	352.63	Martin Levasseur
EO-22-004	820.45	barren qz-carb vein	QzCrbV	Minor hem alt	16.58	317.96		75.7	311.2	562058.2	5327034.0	-314.7	SPRINT-IQ	-49.35	352.68	Martin Levasseur
EO-22-004	822.5	Contact	CONTACT		66.96	157.11		21.1	197.7	562058.0	5327035.3	-316.3	SPRINT-IQ	-49.34	352.71	Martin Levasseur
EO-22-004	822.96	barren qz-carb vein	QzCrbV		62.09	79.53		52.1	208.4	562058.0	5327035.6	-316.6	SPRINT-IQ	-49.34	352.7	Martin Levasseur
EO-22-004	824.35	Contact	CONTACT		61.36	111.11		38.9	218.1	562057.9	5327036.5	-317.7	SPRINT-IQ	-49.33	352.67	Martin Levasseur
EO-22-004	837.29	Barren shear	SHR		32.13	295.99		80.9	122.3	562056.8	5327044.9	-327.5	SPRINT-IQ	-49.07	352.78	Martin Levasseur
EO-22-004	839.6	barren qz-carb vein	QzCrbV	Stringer	18.58	247.12		61.2	78.3	562056.6	5327046.4	-329.2	SPRINT-IQ	-49.01	352.82	Martin Levasseur
EO-22-004	841.29	barren qz-carb vein	QzCrbV	Stringer hem alt	27.6	338.19		79.0	333.2	562056.5	5327047.5	-330.5	SPRINT-IQ	-48.99	352.83	Martin Levasseur
EO-22-004	844.13	Mineralized QzCrbV	QzCrbV+MNZ	trace py	48.73	206.63		17.4	92.2	562056.2	5327049.3	-332.6	SPRINT-IQ	-48.95	352.84	Martin Levasseur
EO-22-004	844.6	barren qz-carb vein	QzCrbV	Stringer	57.63	219.84		24.9	118.4	562056.2	5327049.6	-333.0	SPRINT-IQ	-48.94	352.84	Martin Levasseur
EO-22-004	845.1	Mineralized QzCrbV	QzCrbV+MNZ	Stringer 1-2%	52.06	216.58		23.2	104.5	562056.2	5327050.0	-333.4	SPRINT-IQ	-48.94	352.85	Martin Levasseur
EO-22-004	847.07	barren qz-carb vein	QzCrbV	Stringer	68.08	238.66		34.2	138.4	562056.0	5327051.2	-334.8	SPRINT-IQ	-48.91	352.89	Martin Levasseur
EO-22-004	847.65	Contact	CONTACT		70.61	249.63		38.1	142.6	562056.0	5327051.6	-335.3	SPRINT-IQ	-48.9	352.91	Martin Levasseur
EO-22-004	848.02	barren qz-carb vein	QzCrbV	Stringer	35.97	151.68		24.4	284.4	562055.9	5327051.9	-335.6	SPRINT-IQ	-48.9	352.92	Martin Levasseur
EO-22-004	848.2	Contact	CONTACT		58.87	296.86		60.6	140.9	562055.9	5327052.0	-335.7	SPRINT-IQ	-48.9	352.93	Martin Levasseur
EO-22-004	851.25	Mineralized QzCrbV	QzCrbV+MNZ	1-2% py	57.73	168.06		11.3	207.1	562055.7	5327054.0	-338.0	SPRINT-IQ	-48.88	352.9	Martin Levasseur
EO-22-004	853.88	barren qz-carb vein	QzCrbV	hem alt	49.5	121.25		37.4	239.0	562055.5	5327055.7	-340.0	SPRINT-IQ	-48.85	352.95	Martin Levasseur
EO-22-004	858.68	Barren shear	SHR		29.88	302.8		86.3	126.0	562055.1	5327058.8	-343.6	SPRINT-IQ	-48.76	352.91	Martin Levasseur
EO-22-004	859.66	barren qz-carb vein	QzCrbV	Ser altered stringer	40.87	342.95		89.1	160.1	562055.0	5327059.5	-344.3	SPRINT-IQ	-48.74	352.9	Martin Levasseur
EO-22-004	860.08	barren qz-carb vein	QzCrbV	Ser altered stringer	17.27	147.18		41.2	301.1	562054.9	5327059.7	-344.6	SPRINT-IQ	-48.73	352.89	Martin Levasseur
EO-22-004	861.78	barren qz-carb vein	QzCrbV	Ser altered stringer	26.93	142.12		36.4	285.7	562054.8	5327060.8	-345.9	SPRINT-IQ	-48.69	352.91	Martin Levasseur
EO-22-004	864.58	barren qz-carb vein	QzCrbV	Ser altered stringer	34.11	322.43		89.3	322.6	562054.6	5327062.7	-348.0	SPRINT-IQ	-48.63	352.96	Martin Levasseur
EO-22-004	865.1	barren qz-carb vein	QzCrbV	Ser altered stringer	22.2	139.47		41.5	287.8	562054.5	5327063.0	-348.4	SPRINT-IQ	-48.62	352.95	Martin Levasseur
EO-22-004	866.16	Foliation	FOL		54.48	76.23		58.7	214.2	562054.5	5327063.7	-349.2	SPRINT-IQ	-48.59	352.92	Martin Levasseur
EO-22-004	870.33	Mineralized qz vein	QzV+MNZ		51.44	37.63		75.0	196.2	562054.1	5327066.5	-352.3	SPRINT-IQ	-48.47	352.97	Martin Levasseur
EO-22-004	870.5	Flt plane - no gouge	FLT		51.11	350.66		80.1	167.0	562054.1	5327066.6	-352.5	SPRINT-IQ	-48.47	352.98	Martin Levasseur
EO-22-004	872.8	barren qz-carb vein	QzCrbV	Ser altered stringer	37.1	314.59		85.5	138.3	562053.9	5327068.1	-354.2	SPRINT-IQ	-48.41	353.06	Martin Levasseur
EO-22-004	876.45	barren qz-carb vein	QzCrbV	Ser altered stringer	28.79	172.19		20.5	333.3	562053.6	5327070.5	-356.9	SPRINT-IQ	-48.36	353.21	Martin Levasseur
EO-22-004	880.01	barren qz-carb vein	QzCrbV	Ser altered stringer	40.29	321.44		85.1	144.9	562053.3	5327072.8	-359.6	SPRINT-IQ	-48.28	353.4	Martin Levasseur
EO-22-004	880.95	Flt plane - no gouge	FLT		39.94	62.7		75.8	218.1	562053.3	5327073.5	-360.3	SPRINT-IQ	-48.24	353.45	Martin Levasseur
EO-22-004	881.65	Barren quartz vein	QzV		44.63	102.64		51.1	236.6	562053.2	5327073.9	-360.8	SPRINT-IQ	-48.21	353.49	Martin Levasseur
EO-22-004	883.23	barren qz-carb vein	QzCrbV	Ser altered stringer	51.35	191.72		8.2	110.8	562053.1	5327075.0	-362.0	SPRINT-IQ	-48.16	353.55	Martin Levasseur
EO-22-004	888.77	barren qz-carb vein	QzCrbV	Ser altered stringer	39.13	328.39		88.5	149.8	562052.7	5327078.7	-366.1	SPRINT-IQ	-47.98	353.77	Martin Levasseur
EO-22-004	889.03	barren qz-carb vein	QzCrbV	Ser altered stringer	45.02	38.12		81.2	200.0	562052.7	5327078.8	-366.3	SPRINT-IQ	-47.98	353.77	Martin Levasseur
EO-22-004	889.78	barren qz-carb vein	QzCrbV	Ser altered stringer	34.36	27.59		86.0	16.3	562052.6	5327079.3	-366.8	SPRINT-IQ	-47.96	353.78	Martin Levasseur
EO-22-004	894.25	Mineralized qz vein	QzV+MNZ	Ser altered stringer	23.6	284.58		81.8	110.4	562052.3	5327082.3	-370.2	SPRINT-IQ	-47.91	354.03	Martin Levasseur
EO-22-004	910.77	Barren shear	SHR		69.41	3.54		62.9	176.3	562051.2	5327093.3	-382.4	SPRINT-IQ	-47.64	354.89	Martin Levasseur
EO-22-004	923.93	Mineralized QzCrbV	QzCrbV+MNZ	1.5cm wide with 2-3% Py along contacts	67.38	22.61		64.1	185.1	562050.5	5327102.2	-392.1	SPRINT-IQ	-47.24	355.68	Martin Levasseur
EO-22-004	925.1	barren qz-carb vein	QzCrbV		11.27	33.25		65.6	31.9	562050.4	5327103.0	-393.0	SPRINT-IQ	-47.21	355.73	Martin Levasseur
EO-22-004	925.39	Contact	CONTACT		63.57	346.28		68.7	169.2	562050.4	5327103.2	-393.2	SPRINT-IQ	-47.21	355.74	Martin Levasseur
EO-22-004	926.85	Contact	CONTACT		61.02	18.38		70.8	185.1	562050.4	5327104.2	-394.2	SPRINT-IQ	-47.17	355.81	Martin Levasseur

Core Alignment: Bottom of Core
REFLEX IQ-LOGGER - 3481F40142B4

Coordinates: UTM NAD83 Zone 17

Appendix D

REPORT ON A DIAMOND DRILLING PROGRAM AT THE REED-ROBINSON CLAIM GROUP
IQ Logger Oriented Structure Measurements

Drillhole	Depth (m)	Structure Description	Structure Code	Comments	Alpha	Beta	Gamma	Dip	Dip Direction (TN)	Easting (TN)	Northing (TN)	Elevation (TN)	Hole Path	Hole Dip	Hole Azimuth	Logger Name
EO-22-004	931.14	Foliation	FOL		40.43	300.59		77.8	133.8	562050.1	5327107.1	-397.4	SPRINT-IQ	-47.13	355.91	Martin Levasseur
EO-22-004	932.27	Contact	CONTACT		34.36	258.57		58.3	104.0	562050.1	5327107.9	-398.2	SPRINT-IQ	-47.14	355.89	Martin Levasseur
EO-22-004	950	barren qz-carb vein	QzCrbV	Stringer	30.37	287.03		78.6	119.3	562049.3	5327119.9	-411.2	SPRINT-IQ	-47.02	356.64	Martin Levasseur
EO-22-004	951.49	Mineralized QzCrbV	QzCrbV+MNZ	Weak kspar alt and 1-2% Py	10.57	175.01		36.7	348.5	562049.2	5327120.9	-412.3	SPRINT-IQ	-47	356.74	Martin Levasseur
EO-22-004	953.99	barren qz-carb vein	QzCrbV	Stringer	23.31	13.45		71.4	9.9	562049.1	5327122.6	-414.1	SPRINT-IQ	-47	356.89	Martin Levasseur
EO-22-004	954.45	barren qz-carb vein	QzCrbV	Stringer	24.73	289.63		84.4	117.6	562049.1	5327122.9	-414.5	SPRINT-IQ	-47	356.91	Martin Levasseur
EO-22-004	957	barren qz-carb vein	QzCrbV	Stringer	46.21	282.13		64.6	128.6	562049.0	5327124.7	-416.3	SPRINT-IQ	-46.97	357.05	Martin Levasseur
EO-22-004	958.58	Mineralized QzCrbV	QzCrbV+MNZ	Weak kspar alt 1-2% Py	13.29	178.33		33.7	354.2	562049.0	5327125.7	-417.5	SPRINT-IQ	-46.93	357.12	Martin Levasseur