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Newmont Corporation

Karl Zeemal, Bottonfield Bay, Graff Lake and North Shore Project

2019 Assessment Report

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Introduction

This report summarizes field mapping and diamond drilling work completed on Newmont's Karl Zeemal area claims located in the District of Kenora, Northwestern Ontario. This area incorporates the following targets: Karl Zeemal, Graff Lake, and Bottonfield. These programs occurred over a period from May 19th, 2019 to July 21st, 2019 and are concisely summarized below. The work was undertaken by staff geologists and other support staff employed at Newmont's Musselwhite Mine with operational support and technical services commissioned from third party specialists and contractor groups.

Summary

Lithogeochemical

The 2019 field work on Newmont's Karl Zeemal Claims, southeast of Musselwhite Mine, was conducted over 10 cumulative days through the summer of 2019. Dominantly the work consisted of grassroots style prospecting with some outcrop mapping. Samples of all outcropping bedrock encountered were submitted to Activation laboratories in Thunder Bay Ontario for whole rock analysis by 4-acid ICP-MS as well as analysis for gold by fire assay. Field activities were helicopter supported with crew transportation provided by Wisk Air Helicopters Ltd. of Thunder Bay Ontario. Field crews consisted of two Bayside Geoscience consulting geologists, two Bayside Geoscience consulting geological summer students and one Newmont geologist.

Diamond Drilling

Diamond drilling related field activities including mobilization, drilling, and demobilization, were conducted daily between May 9th, 2019, and July 21st, 2019. The work was performed for Newmont Corporation with the objective of confirming delineating and modelling previously identified, near surface, gold bearing sulphide mineralization in synformally folded oxide banded iron formations, as well as new structural targets identified by previously done airborne magnetic surveys.

Drilling services and transportation of workers were provided by Hy-Tech Drilling Ltd of Smithers British Columbia, and transportation of materials were provided by Wisk Air Helicopters of Thunder Bay Ontario.

Two drill rigs were mobilized into the work area utilizing a previously established trail. Drill pads were prepared immediately adjacent to the trail and mine access road. 20 NQ Drill holes, totaling 3957.1m were drilled between May 9th, 2019, and July 21st, 2019.

An additional three drill rigs were located on the north shore of Opapimiskan Lake. These drills were utilizing wedges to reach the Northern Iron Formation target at depth. A total

of 15 NQ drill holes, totaling 8,502m of retrievable core were drilled between February 11th, 2019 and October 9th, 2019.

Drill holes are surveyed to the local grid of Newmont's adjacent Musselwhite Mine but converted to UTM for this report.

Location and Access

The Karl Zeemal claim group and North Shore claim group are located in the District of Kenora, Northwest Ontario. Approximately 76 km South East of Weagamow First Nation, 103 km North of the town of Pickle Lake, 430 km Northwest of Thunder Bay, and 7 km Southeast of Newmont Corporation's Musselwhite Mine.

Access is available through chartered air service to the town of Pickle Lake and a four-Season road extending North to Newmont's Musselwhite Mine. From Musselwhite Mine, the North Shore project is accessed by crossing Opapimiskan Lake via boat or snow machine, season depending, or helicopter.

Figure 1. Location of Karl Zeemal Claims within the province of Ontario.

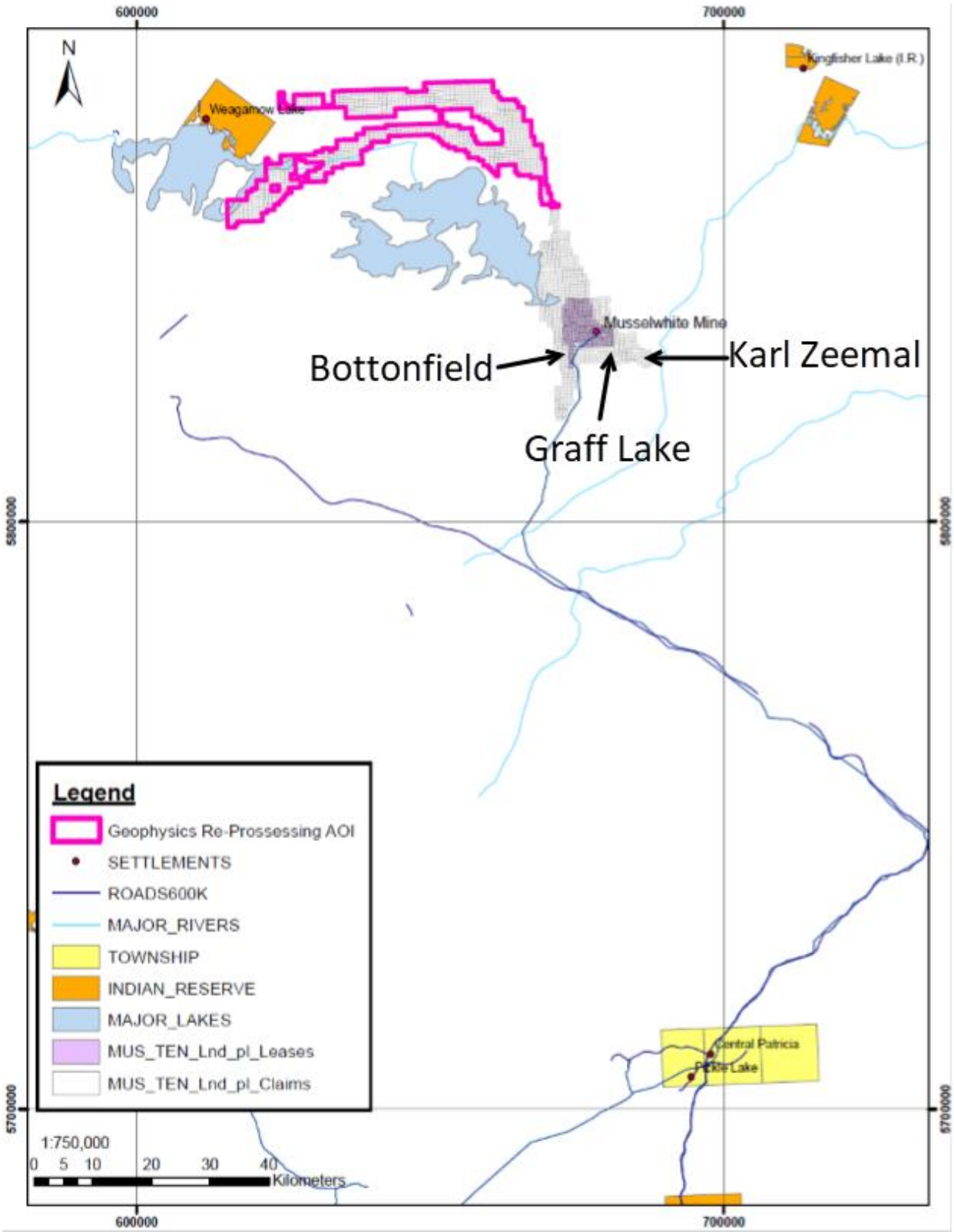

Figure 2. Location of Karl Zeemal claims relative to the town of Pickle Lake, Musselwhite Mine, and Weagamow Lake First Nation location reference in UTM-Nad83 Zone 15N.

History and Previous Work

1938 – (Satterley 1941) First geological map of the North Caribou Greenstone Belt produced at a scale of 1 inch to 1 Mile (1:63360).

1960 – Geological survey of Canada conducted an airborne magnetometer survey of the North Caribou Greenstone Belt.

1962 – Economic gold mineralization was first identified on the adjacent Musselwhite mining leases by the Musselwhite Brothers in 1962

1963 – The Karl Zeemal property was optioned by Kenpat Mines Ltd. in 1963. The company conducted geological and geophysical surveys.

1962 to 1963 – Inco Limited conducted and 18-hole diamond drill hole program in the area of Zeemal Lake and an additional Eight holes in area of Karl and Markop Lakes.

1973 – The Musselwhite brothers optioned their property to a consortium led by Dome Exploration Ltd. Subsequent exploration activities resulted in the discovery of the "West Anticline Zone" in 1980.

1981 – The Dome Exploration Ltd Consortium. commissioned Aerodat Ltd. to conduct an airborne magnetic and electromagnetic geophysical survey over the area surrounding the Musselwhite deposit.

1984 – Dome Mines Ltd. excavated an exploration decline into the West Anticline Zone and delineated gold deposits totaling approximately 540,000 ounces.

1985 – The Ontario Geological Survey commissioned Aerodat Ltd. to perform an extensive Airborne Magnetic and Electromagnetic survey of the North Caribou Greenstone Belt. Maps 80744 and 80745 cover the Karl Zeemal area.

1986 – Extensive surface drilling by Dome Mines Ltd focused on the East Bay Synform

1986 – in 1986 Santa Maria Resources employed Geocanex Ltd. to perform ground magnetic and electromagnetic surveys over their Zeemal Lake property immediately west of the Karl-Zeemal Claims.

1987 – Geocanex Ltd. conducted surface mapping and diamond drill programs on behalf of Santa Maria Resources Ltd on the Zeemal Lake property.

1988 – Power Explorations Inc. conducted extensive mapping, prospecting, trenching and diamond drilling along the mineralized Karl-Zeemal iron formation.

2005 – Goldcorp Canada Inc. extensive exploration drilling along the mineralized trend identified by Power Explorations Inc. in their 1988 drilling.

2017-2018 – Goldcorp Canada Inc. soil-, litho-, and bio-geochemical sampling program. Detailed exploration drilling along mineralized trends and geochemical anomalies

2018 – Goldcorp Canada Inc. conducted a 32 diamond drill program over the Karl Zeemal target area.

Physiography and Vegetation

The claim group is dominantly covered by low bogs which are densely forested by black spruce trees rooted in a wet, moss covered, forest floor, and moss-covered meadows which are typically dryer and dominantly vegetated by dense Labrador tea shrubs and sparse, small, black spruce trees. The Northwest end of the claim group is covered by thick glacial-fluvial sand and boulder deposits which are typically forested by well-spaced jack pine and some birch trees. There is a notable ridge of approximately 50 meters relief running NW-SE through the center of the claim group. The elevated ridge is densely forested by mixed species of softwood and hardwood trees including birch, poplar, black spruce, and fir, with a thick undergrowth of Labrador tea. There is approximately 5% bedrock exposure on the claims which dominantly occurs along or proximal to the crest of this ridge.

Regional Geology

The North Caribou greenstone belt (NCGB) is located on the northern edge of the North Caribou terrane, south of the Island Lake domain. It comprises various volcanic-dominated assemblages formed during two major magmatic phases dated at ca. 2980 and ca. 2870 Ma. Sedimentary-dominated assemblages lie in the core of the NCGB. They are interpreted to have been deposited after 2980 Ma in the northern NCGB, and after 2850 Ma in the southeastern NCGB. The greenstones are intruded by several batholiths emplaced during the two magmatic phases at ca. 2870-2850 Ma and ca. 2750-2690 Ma (Oswald, 2018 and all references therein)

The envelope of the main structural fabric and fold structures is roughly parallel to the contact of the narrow, elongate, two-arc shape of the North Caribou belt. Three major phases of ductile to brittle-ductile deformation have been documented (D1, D2, D3), in addition to minor late structures related to brittle deformation ("D4"). Several regional fault zones separate lithostratigraphic assemblages. The dominant regional structural pattern and main tectonometamorphic phase is related to D2 (Oswald, 2018 and references therein). The rocks

of the North Caribou Greenstone Belt were metamorphosed to amphibolite facies around 2660 Ma (Oswald, 2018 and all references therein)

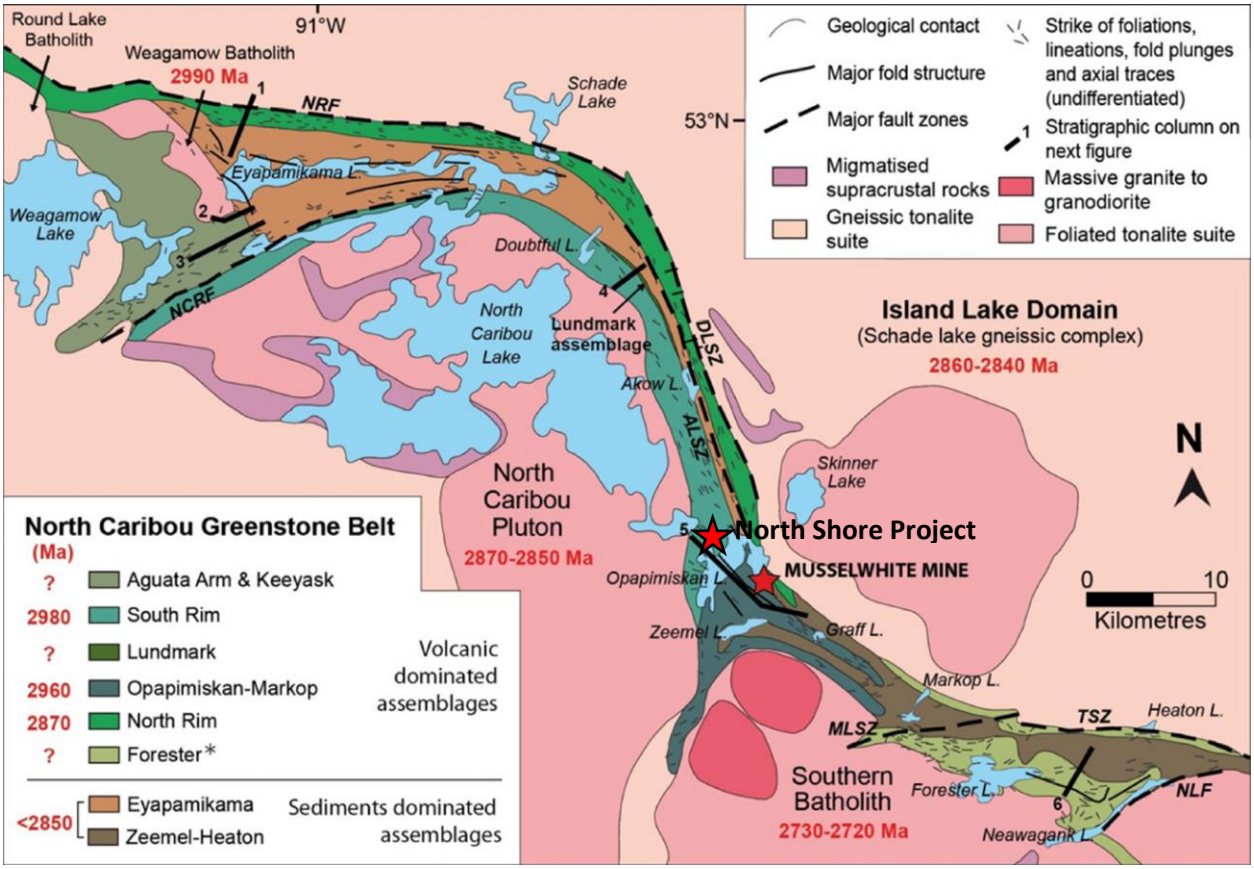

Figure 3. Simplified tectonostratigraphic map of the North Caribou belt modified from Oswald, 2018.

Local Geology

The Karl Zeemal Prospect consists of linear NW-SE trending group of Opapimiskan-Markop mafic and ultramafic metavolcanic rocks interlayered with two (possibly three) horizons of synformally folded chert-magnetite banded iron formation, typically 1-5m wide. The volcanic sequence comprises pillowed and massive lava flows. Ultramafic komatiites are common, but mafic units dominate most of the stratigraphy. Both limbs of the folded Iron formations outcrop on surface (Figure 4).

The pyrrhotite mineralized intervals known to host significant gold grades are predominantly observed in grunerite altered and silicified intervals of chert-magnetite banded iron formation, and locally, in narrow, pyrrhotite mineralized, shears or hydrothermal breccias axial planar to the folded iron formation and narrow shears along contacts between the iron formations and metavolcanics. The hinge of the folded iron formations is shallow plunging to sub-horizontal and trends NW-SE parallel/sub-parallel with the contact between the Opapimiskan-Markop assemblage and the Zeemal Heaton metasedimentary assemblage.

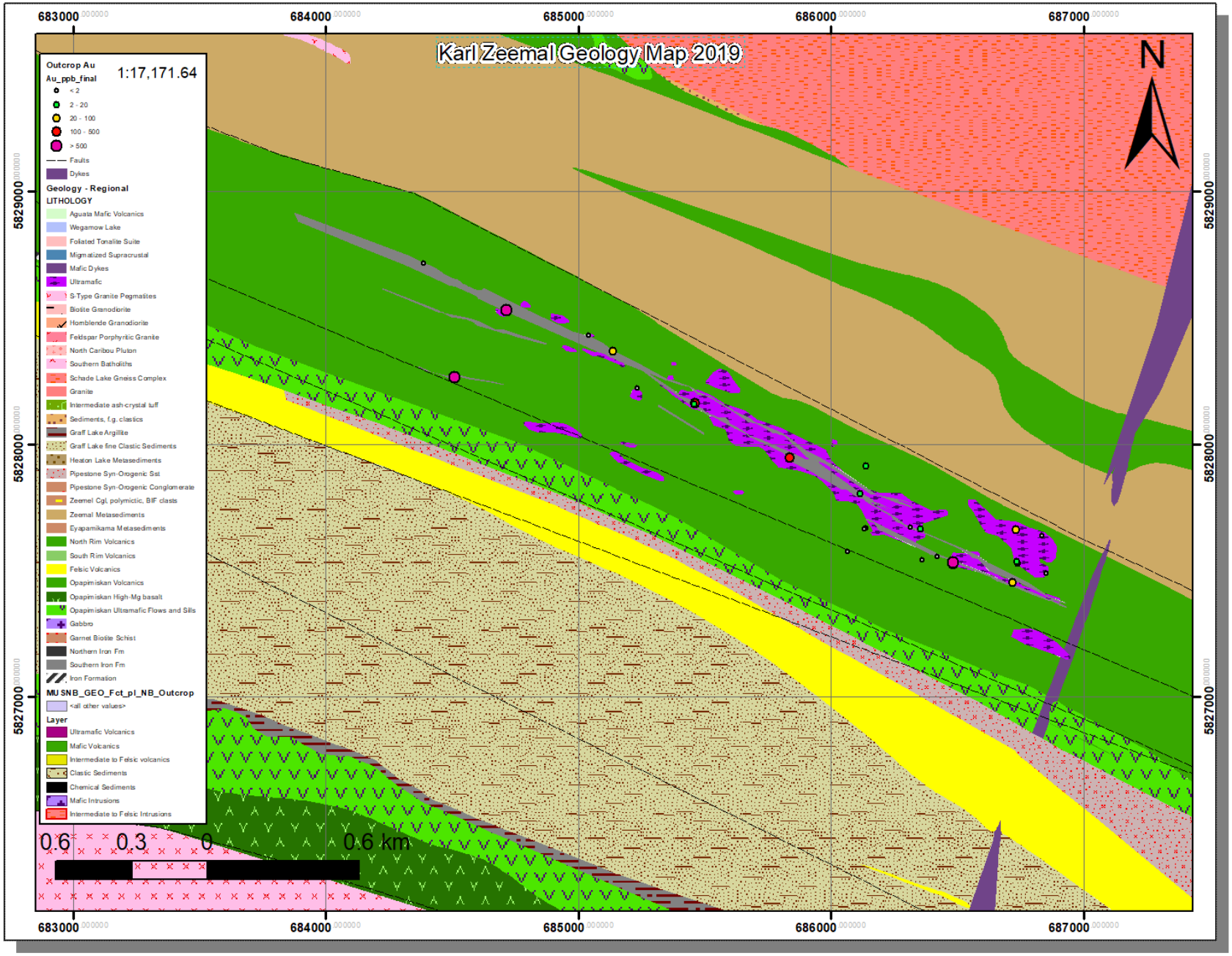

Figure 4. Local Karl-Zeemal Geology, as mapped by Power Explorations Ltd. in 1988 location reference in UTM-Nad83 Zone 15N.

Lithogeochemical

Description of Program

The 2019 field work on Newmont Corporation's Karl Zeemal Claims, southeast of Musselwhite Mine, was conducted over 10 cumulative days through the summer of 2019 between May 19th, 2019 to June 19th, 2019. The work consisted of helicopter and conventional vehicle supported, grassroots style prospecting and lithogeochemical sampling. Helicopter transportation services were commissioned from Wisk Air Helicopters of Thunder Bay, Ontario. The objectives were to locate possible exploration targets by using historical data, producing detailed geologic maps, and collecting lithogeochemical samples of prospective outcrops.

Samples of outcropping bedrock encountered were collected and submitted to Activation laboratories in Thunder Bay Ontario for whole rock analysis by 4-acid ICP-MS as well as analysis for gold by fire assay. The work was planned and conducted by 3 geologists from Newmont's Musselwhite Mine, Troy Gallik, Brittany Deley, Mark Jefferies, and two geological consultants and two geology summer students from Bayside Geoscience.

Samples were collected with conventional geological rock and sledgehammers (Figures 5-9). Geotuls were often used to uncover or expand the exposure of outcropping bedrocks a total of 27 bedrock samples were collected or analysis. Field data was collected on Apple iPad mini devices using custom form built in the Esri Survey 123 application.

Locations where significant results were obtained or where significant observations were made were followed up with a final field review by Musselwhite Geologists and Technical Experts from Newmont's corporate geology team.

Table of Claims

Table 1. Table of claims within Newmont Corporation's Karl Zeemal group on which field work was conducted in 2019.

Claim Number	Claim Type	Claim Status	Date Issued	Date Due	Holder
110987	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
110988	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
145203	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
145204	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
146416	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
164580	Single Cell Mining Claim	Active	2018-04-10	2021-03-11	(100) GOLDCORP CANADA LTD.
174918	Single Cell Mining Claim	Active	2018-04-10	2021-03-11	(100) GOLDCORP CANADA LTD.
182182	Single Cell Mining Claim	Active	2018-04-10	2021-03-11	(100) GOLDCORP CANADA LTD.
193087	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
212535	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
239228	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
259427	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
268514	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
314497	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
327248	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.
327249	Single Cell Mining Claim	Active	2018-04-10	2021-02-11	(100) GOLDCORP CANADA LTD.

Table 2. Number of Litho-Geochemical samples collected by claim.

Claim Number	Number of Litho-geochemical samples taken
110987	1
110988	6
145203	1
145204	0
146416	2
164580	0
174918	1
182182	1
193087	7
212535	1
239228	0
259427	4
268514	1
314497	0
327248	1
327249	1
Total	27

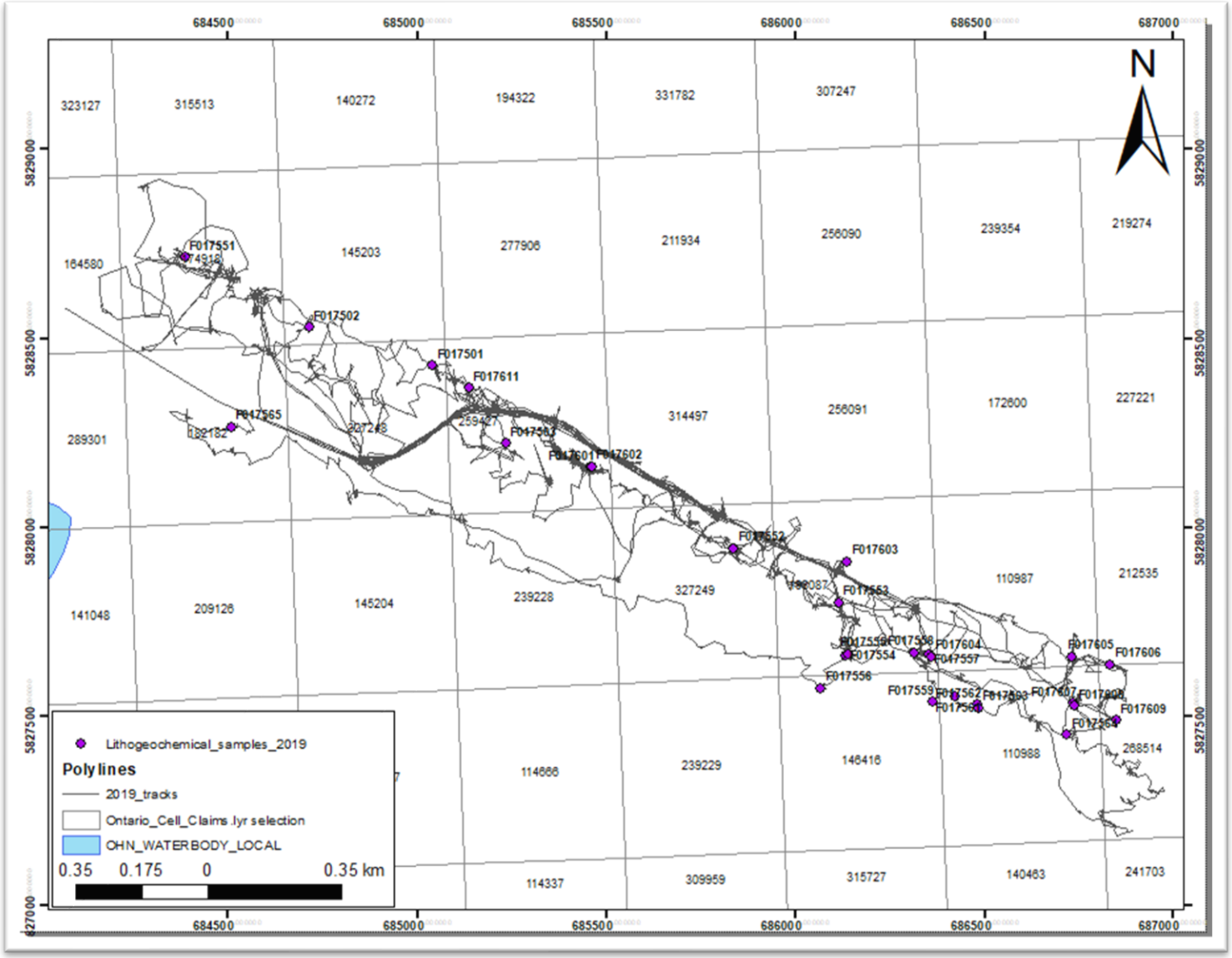

Figure 5. Map of traverses and lithogeochemical samples collected during 2019 on the Karl Zeemal claims reference in UTM-Nad83 Zone 15N.

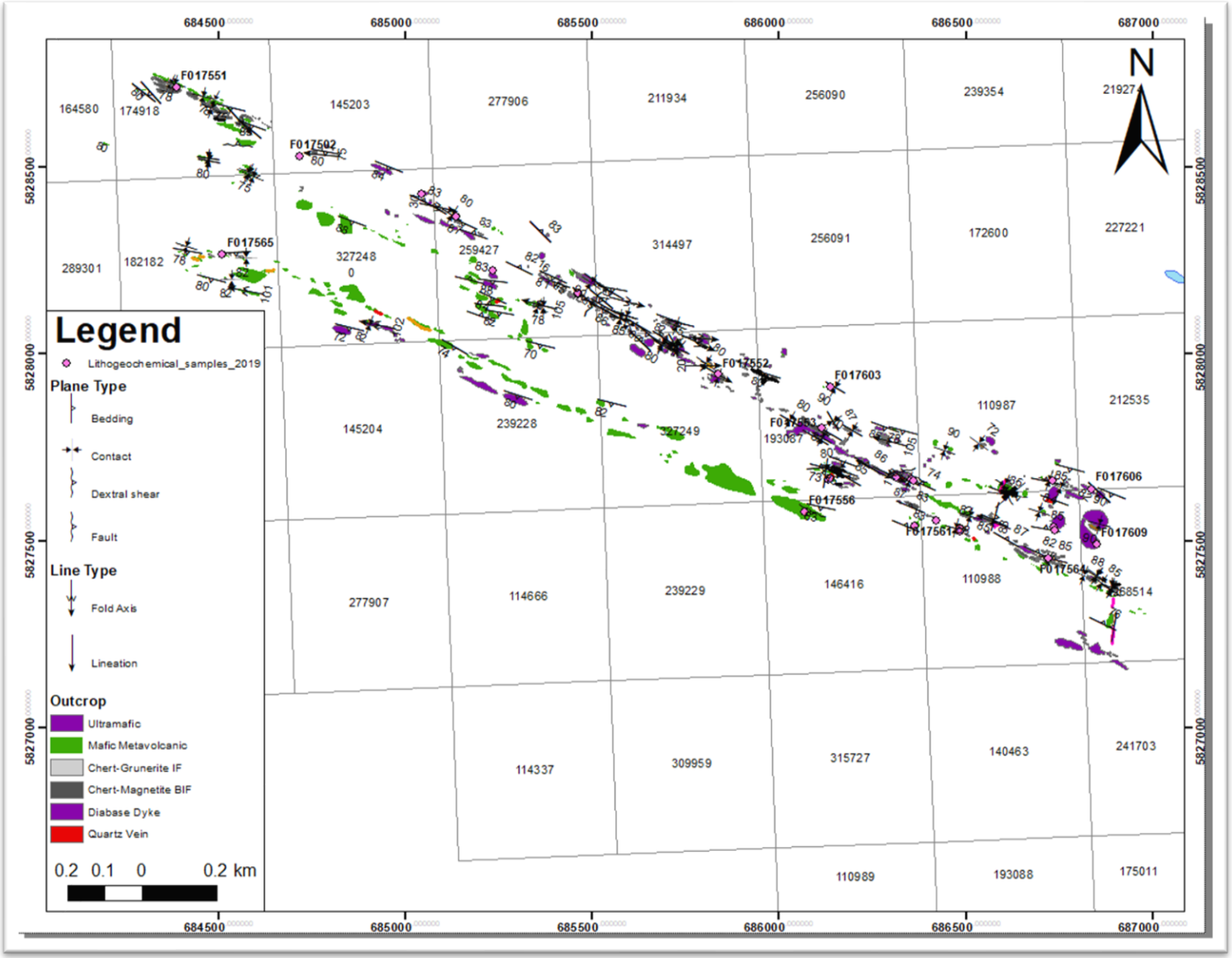

Figure 6. Map of outcrops mapped and lithogeochemical samples collected during 2019 on the Karl Zeemal claims reference in UTM-Nad83 Zone 15N.

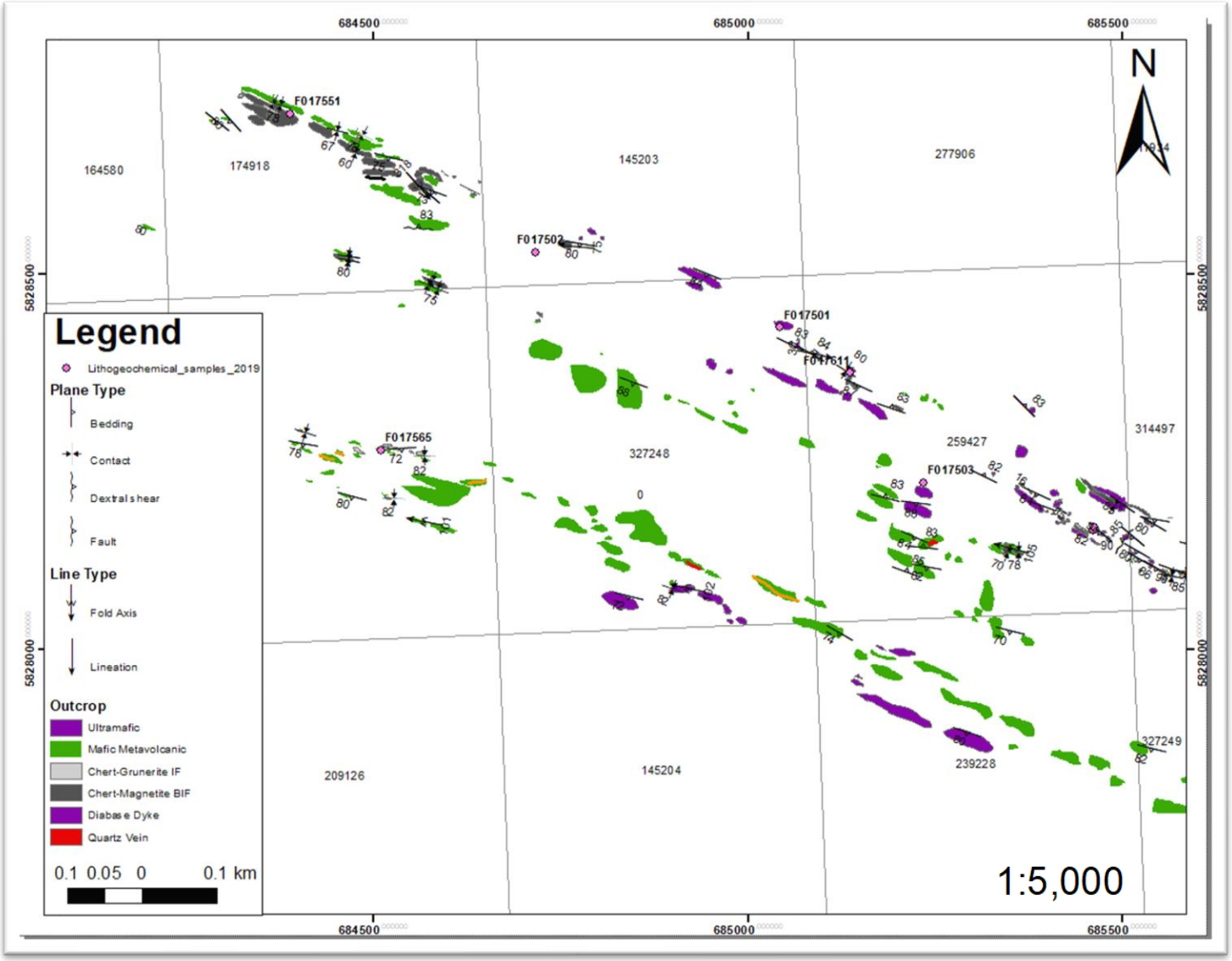

Figure 7. Enhanced map of outcrops mapped and lithogeochemical samples collected during 2019 on the Karl Zeemal claims of the most northwestern area. Reference in UTM 15N Nad83 Zone.

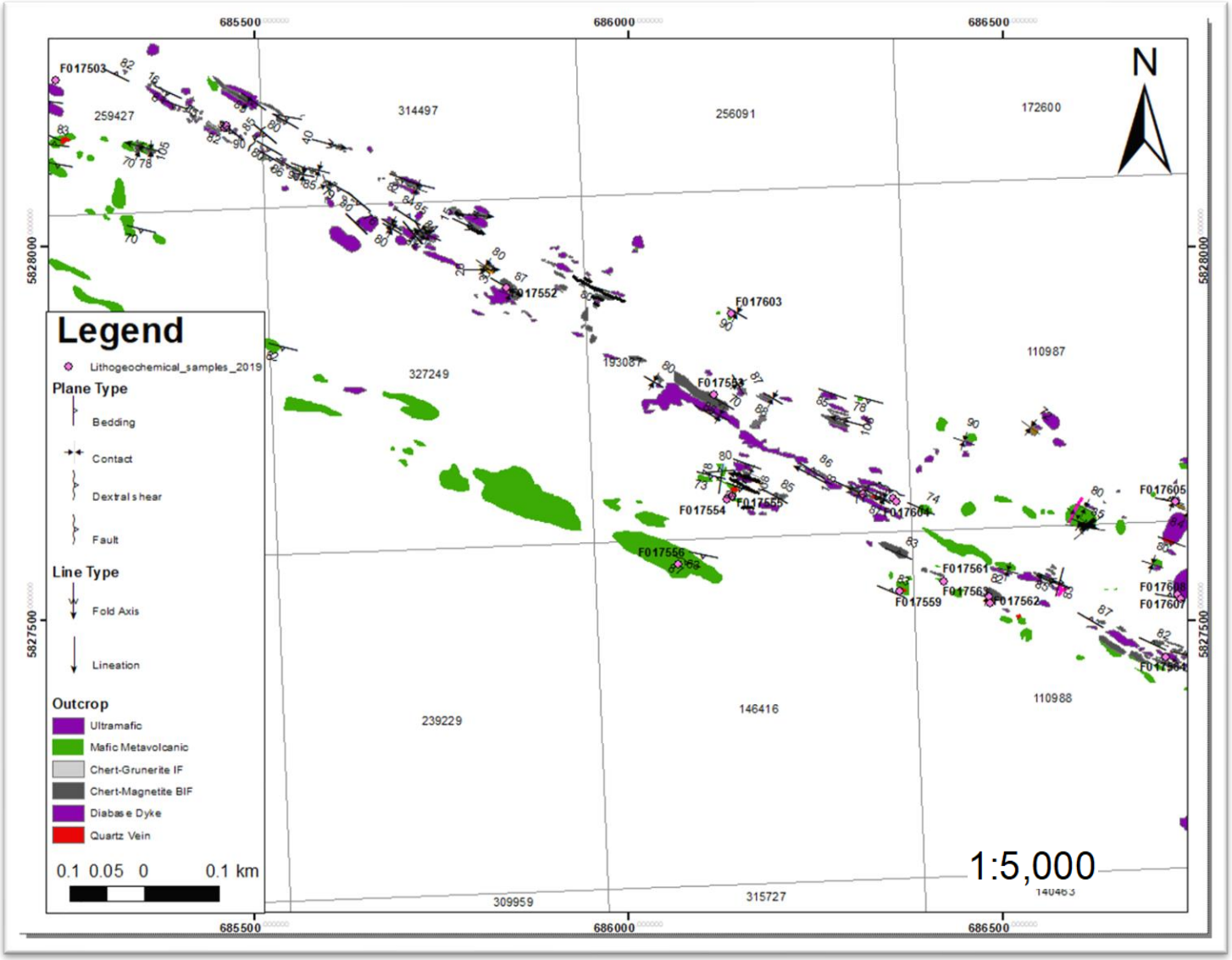

Figure 8. Enhanced map of outcrops mapped and lithogeochemical samples collected during 2019 on the Karl Zeemal claims of the central area. Reference in UTM-Nad83 Zone 15N.

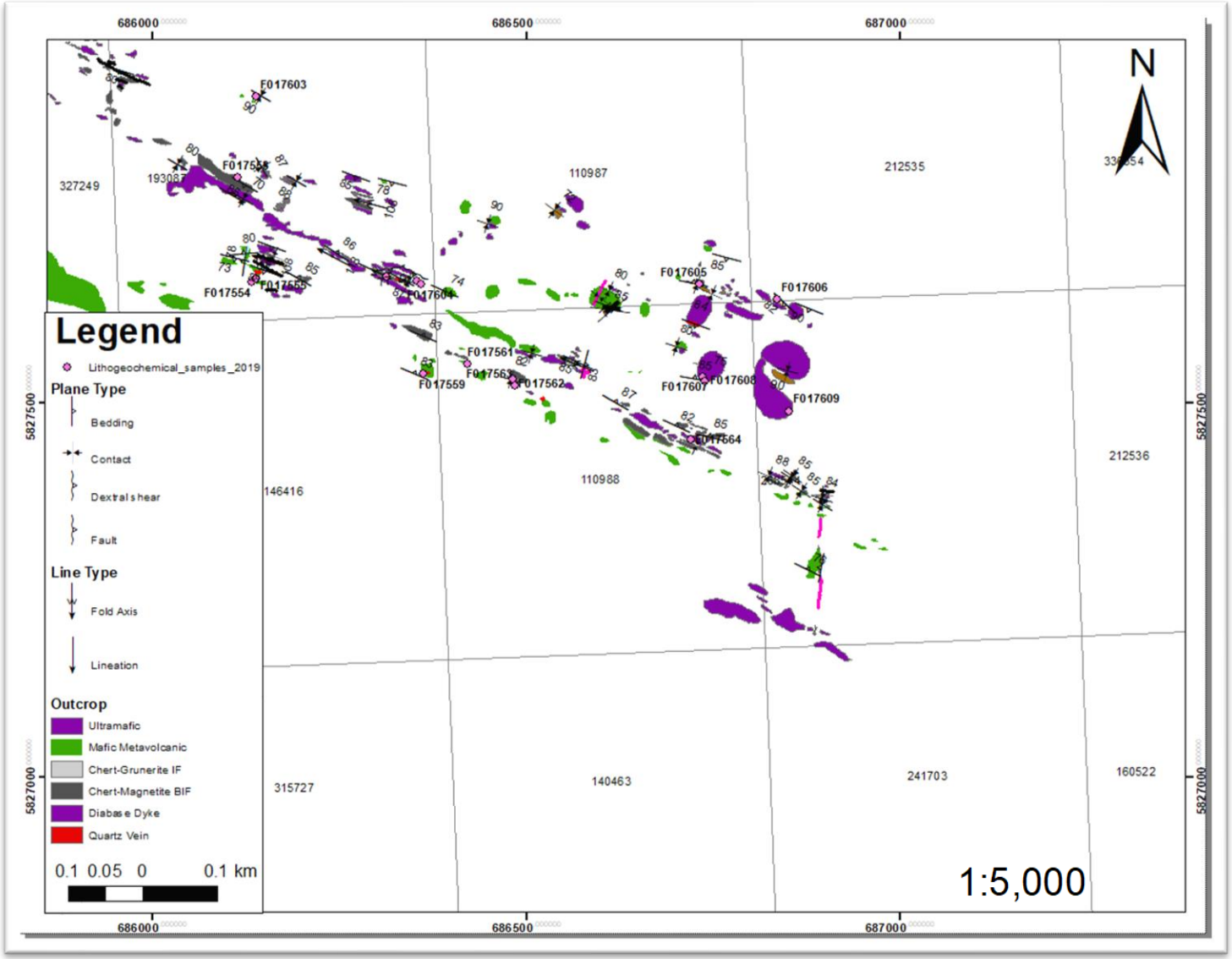

Figure 9. Enhanced map of outcrops mapped and lithogeochemical samples collected during 2019 on the Karl Zeemal claims of the most southeastern area. Reference in UTM-Nad83 Zone 15.

Diamond Drilling - Bottonfield, Graff Lake, Karl Zeemal
Description of Program

The Drilling program was conducted by Hy-Tech Drilling LTD of Smithers, BC on claims 100% owed by Newmont Corporation (legacy Goldcorp Canada Ltd.) on behalf of Newmont Corporation (See Table 3 for list of claims).

The program consisted of mobilization of equipment, preparation of drill pads, drilling and demobilization of equipment. All drill rigs were towed by skidder using the Karl Zeemal trail and short drill roads off main Musselwhite Mine road (Figure 10). Transportation of materials was provided by Wisk Air Helicopters of Thunder Bay, Ontario.

Activities were carried out daily between May 9th, 2019 and July 21st, 2019, totaling 84 working days. The program consisted of two S-5 diamond drill rigs that drilled 20 NQ sized drill holes totaling 3957m and 4154 samples collect for assay (Table 4). Work was conducted under Exploration Permit number PR-17-11171. Project planning, supervision, and downhole surveying was conducted by Newmont Corp. geologists and technicians from Musselwhite Mine.

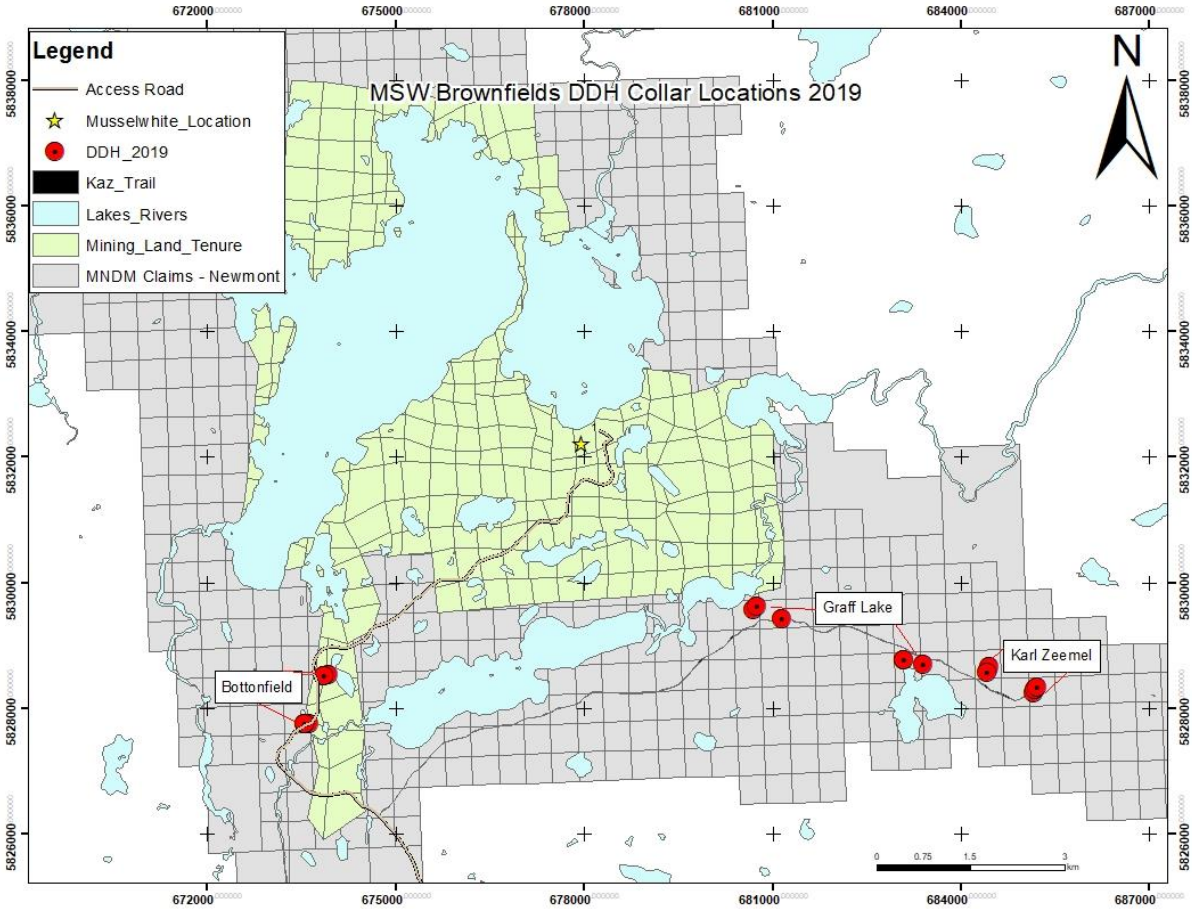

Figure 10. Claim and location map of DDH collars for Bottonfield, Graff Lake, and Karl Zeemal drilling programs.

Table of Meters and Samples Per Claim

Table 3. Number of meters drilled and lithogeochemical samples collected on each claim.

Claim Number	Meters Drilled	Samples Collected (Lithogeochemical)
259427	510	600
174918	393	431
133412	77	66
329699	418	387
153421	179	185
146319	246	297
262237	184	171
128082	313	214
253494	470	431
126733	208	241
246918	959	1131

All drill core was logged and sampled by staff geologist on the Musselwhite mine site. Core was cut in half using core saws. Core cutting was performed by employees of Ojijakoes Community Development Corp. One half of the core was sent for gold analysis and the other half remains in the core farm at Musselwhite mine.

Analytical services were provided by Activation laboratories Ltd. at locations in Dryden and Geraldton, Ontario. 30g pulps of pulverized and homogenized drill core samples were analyzed for gold by fire assay. Reference material was from CDN Resources Laboratories Ltd. and granite was used for blank material. Alternating blank and reference material was inserted every 10 samples for QA/QC. Reference material had gold values of 0.468 g/t, 3.05 g/t, 7.19 g/t and 13.28 g/t. Samples returning over 10ppm Au were reanalyzed with Gravimetric Fire Assay. Reference material would be considered a fail if it were more than 3 standard deviations from the expected value. Blank material would be considered a fail if it were more than 0.5g/t Au. If failed material was encountered, samples were sent for re-assay.

Table of Drill Hole Collars

Table 4. Collar information, 2019 Regional Drilling Program UTM datum: NAD 1983 Zone 15N.

Drill Hole	UTM East(15N)	UTM North (15N)	Planned Azimuth	Planned Dip	Length	Samples Collected	Samples Assayed
19-BOT-002	673653.2715	5827758.544	83.8	-45	444	516	516
19-BOT-003	673569.5688	5827759.381	83.8	-45	627	752	752
19-BOT-008	673950.5492	5828544.137	85.8	-47	333	223	223
19-BOT-009	673889.6075	5828530.117	85.8	-47	39.1	0	0
19-BOT-010	673888.7058	5828530.259	85.8	-45	411	422	422
19-BOT-011	673569.5688	5827759.381	83.8	-45	96	104	104
19-GRF-001	681177.4437	5829453.432	45.8	-60	321	366	366
19-GRF-002	680726.4683	5829602.433	45.8	-45	186	178	178
19-GRF-003	680770.0106	5829653.819	45.8	-45	102	109	109
19-GRF-004	683117.2955	5828795.526	203.8	-45	27	0	0
19-GRF-005	683117.2955	5828795.526	203.8	-45	33	0	0
19-GRF-006	683427.5916	5828729.991	203.8	-45	435	453	453
19-KAZ-001	685224.8061	5828353.068	203.8	-45	162	193	193
19-KAZ-002	685182.1223	5828273.331	203.8	-45	69	65	65
19-KAZ-003	685218.9848	5828343.696	203.8	-45	144	187	187
19-KAZ-004	685204.2225	5828329.558	203.8	-45	60	75	75
19-KAZ-005	685243.1447	5828370.541	203.8	-45	75	80	80
19-KAZ-007	684451.3576	5828639.612	23.8	-45	171	195	195
19-KAZ-008	684479.6457	5828700.032	23.8	-45	135	144	144
19-KAZ-009	684438.0885	5828606.003	23.8	-45	87	92	92

Graff Lake Target (GRF)

The Graff Lake target was identified as a possible structural target in a magnetic high zone observed in historic aerial surveys. The Graff Lake target is hypothesized to be discrete structures causing offset in banded iron formation. Trend and frequency of structures are coincident with structures seen at Musselwhite that play a part in gold mineralization (Figure 11). 6 holes were drilled to target the area, only 4 successfully hit iron formation while 2 holes were abandoned due to depth of overburden. Drill hole location can be seen in Figures 12-13.

Results

Two significant intercepts were seen in two of the Graff Lake drill holes. Table 5 outlines the intercepts and the lithology the gold grade was associated with. The gold grade lines up close to the magnetic anomaly 19-GRF-003 was targeting. There was no anomaly near the gold grade that 19-GRF-006 intercepted but was possibly associated with quartz-carbonate veining seen in the interval.

Table 5. Significant gold assay intercepts for the 2019 Graff Lake drilling program.

Hole ID	From (m)	To (m)	Length (m)	Zone	Lithology	Width (m)	Au g/t
19-GRF-003	34.7	36.7	2	Undefined	Chert-magnetite IF	1.5	4.23
19-GRF-006	215	216	1	Undefined	Mafic volcanic	0.8	2.42

Bottonfield Bay Target (BOT)

The Bottonfield Bay drilling was following up on 2001 Placer Dome drilling which intersected gold within banded iron formation. The iron formation is a southern extent of the West Limb that is mined at Musselwhite mine coincident with a magnetic high seen in figure 14. 5 holes were drilled adjacent to Place Dome holes targeting iron formation and 1 hole (19-BOT-011) was targeting a gold bearing quartz vein intersected in 19-BOT-003. 19-BOT-009 was cancelled due to thickness of overburden.

Results

Table 6 outlines the significant gold intercepts seen in two of the Bottonfield drill holes. The intercepts in 19-BOT-002 were within the chert-magnetite BIF and was associated with a high strain zone recorded. The gold intercepts in 19-BOT-003 were associated with a quartz-carbonate vein within a gabbro host rock, and highly strained chert-magnetite BIF.

Table 6. Significant gold assay intercepts for the 2019 Bottonfield Bay drilling program.

Hole ID	From (m)	To (m)	Length (m)	Zone	Lithology	Width (m)	Au g/t
19-BOT-002	222.1	222.5	0.4	Undefined	Chert-magnetite IF	0.3	5.81
	224.9	225.7	0.8	Undefined	Chert-magnetite IF	0.8	3.21
19-BOT-003	58.2	58.5	0.3	Undefined	Gabbro/Quartz Vein	0.2	7.39
	301.3	303.6	2.3	Undefined	Chert-magnetite IF	1.6	5.45
	311.55	312	0.5	Undefined	Chert-magnetite IF	0.5	3.37

Karl Zeemal Target (KAZ)

In 2018, a drill program was conducted over the Karl Zeemal target area. The purpose of this program was to assess the economic viability of this area for open pit mining due to the shallow depth of gold host banded iron formation. The 2018 program intercepted gold bearing chert-magnetite banded iron formation along with grunerite altered and silicified chert-magnetite banded iron formation.

The 2019 drill program was designed to continue drilling along strike of banded iron formation. 8 holes were drilled as a fence pattern across magnetic high anomaly associated with the Karl Zeemal area gold bearing iron formation (Figures 17-19).

Results

The KAZ drilling was successful in intersecting the banded iron formation, but no significant gold grades were intercepted in this drilling program. 19-KAZ-005 was the only hole that did not intercept iron formation.

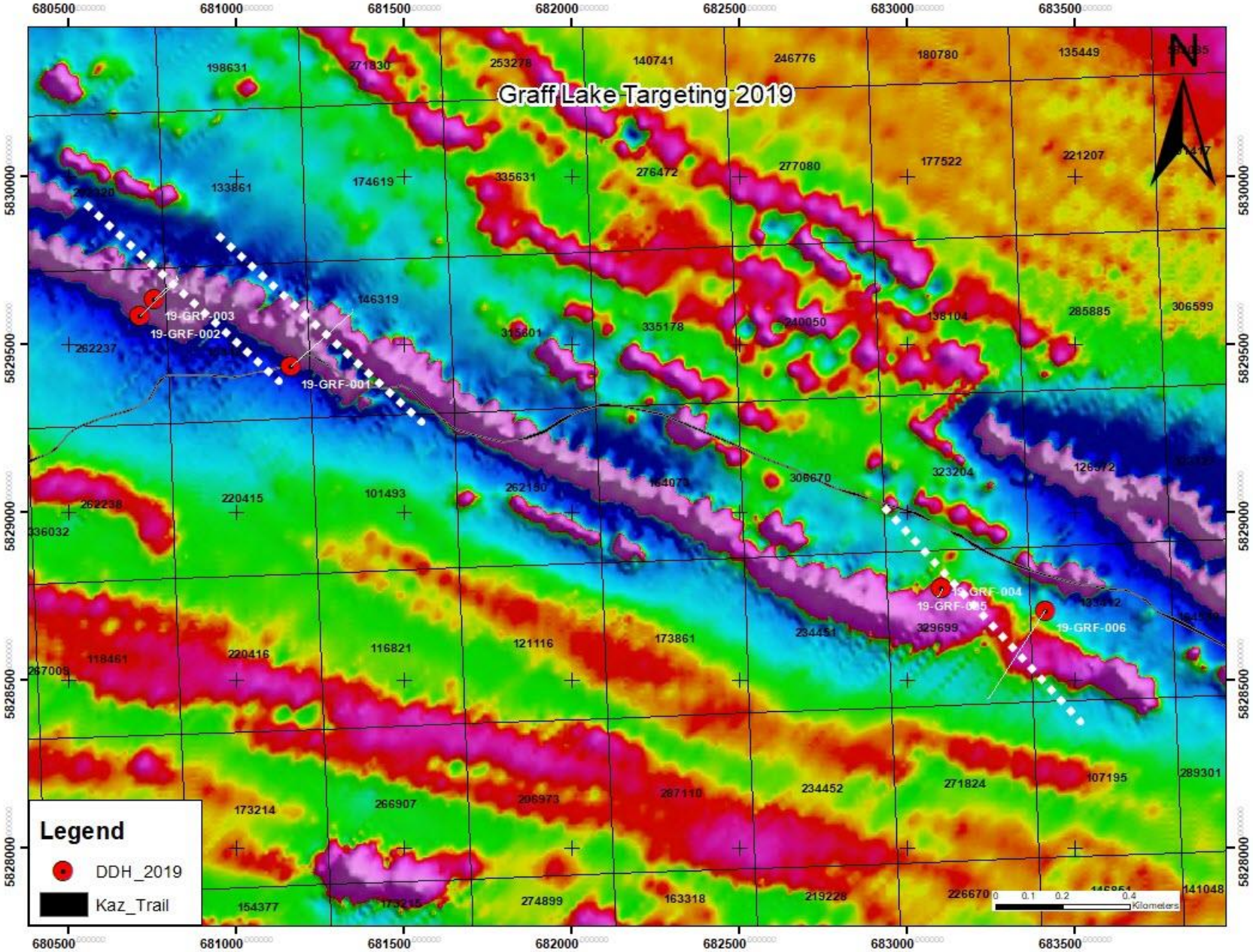

Figure 11. Airborne Magnetic image - 1VD showing offset in magnetic high (white dashed lines).

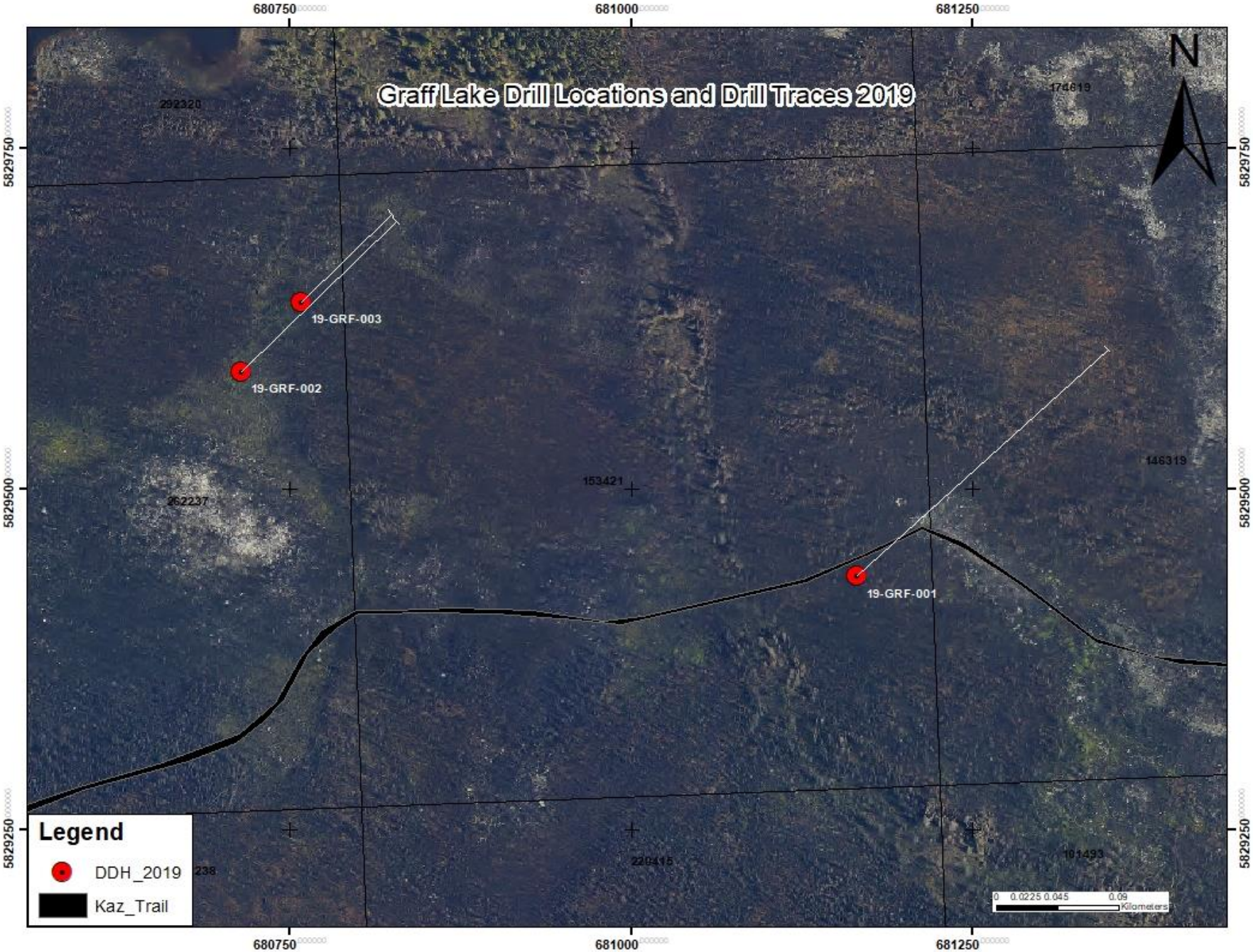

Figure 12. Collar locations for the 2019 Graff Lake drilling program.

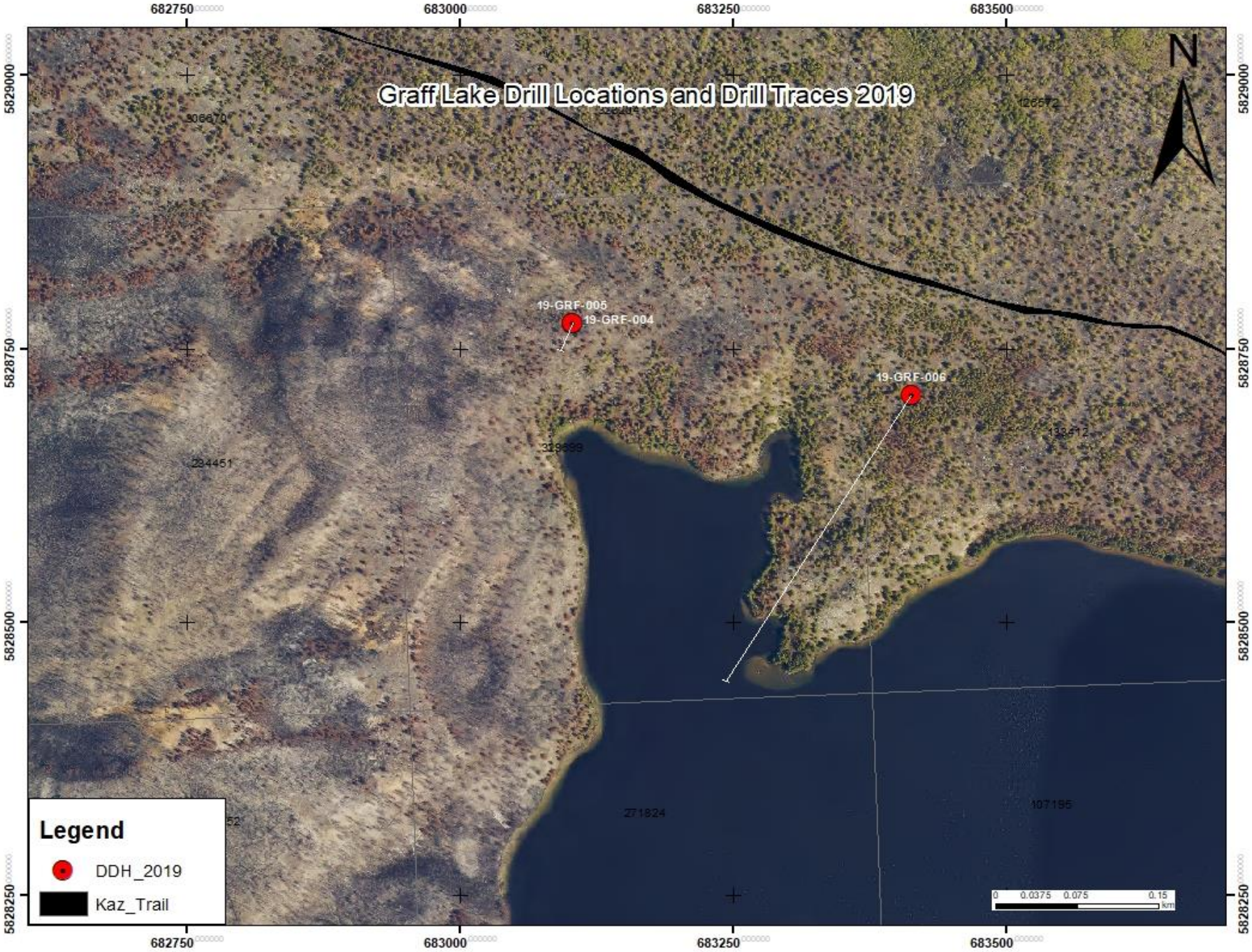

Figure 13. Collar locations for the 2019 Graff Lake drilling program.

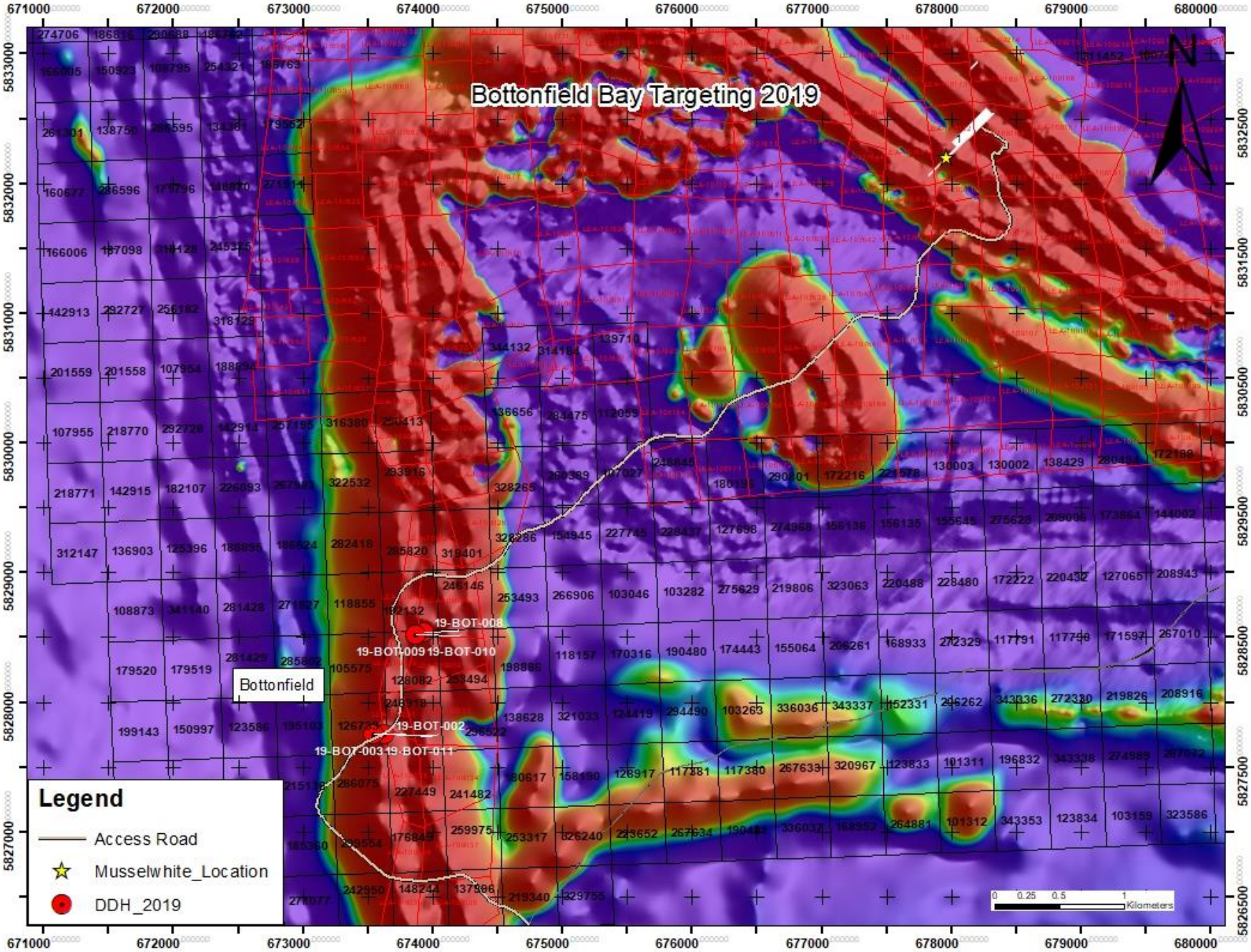

Figure 14. Bottonfield Bay DDH locations relative to Musselwhite Mine. Aerial Magnetic Image RTP.

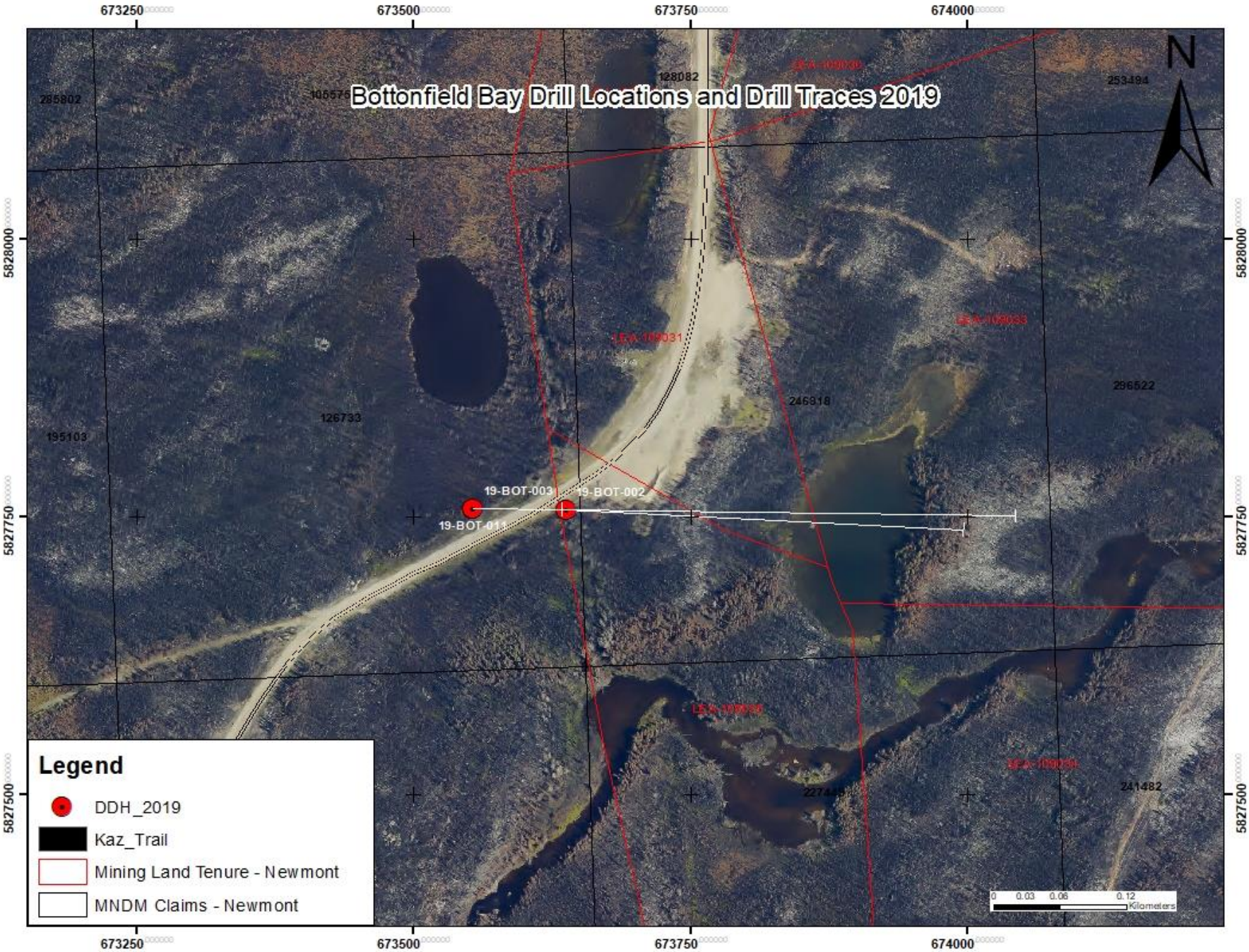

Figure 15. Collar locations for the 2019 Bottonfield Bay drilling program.

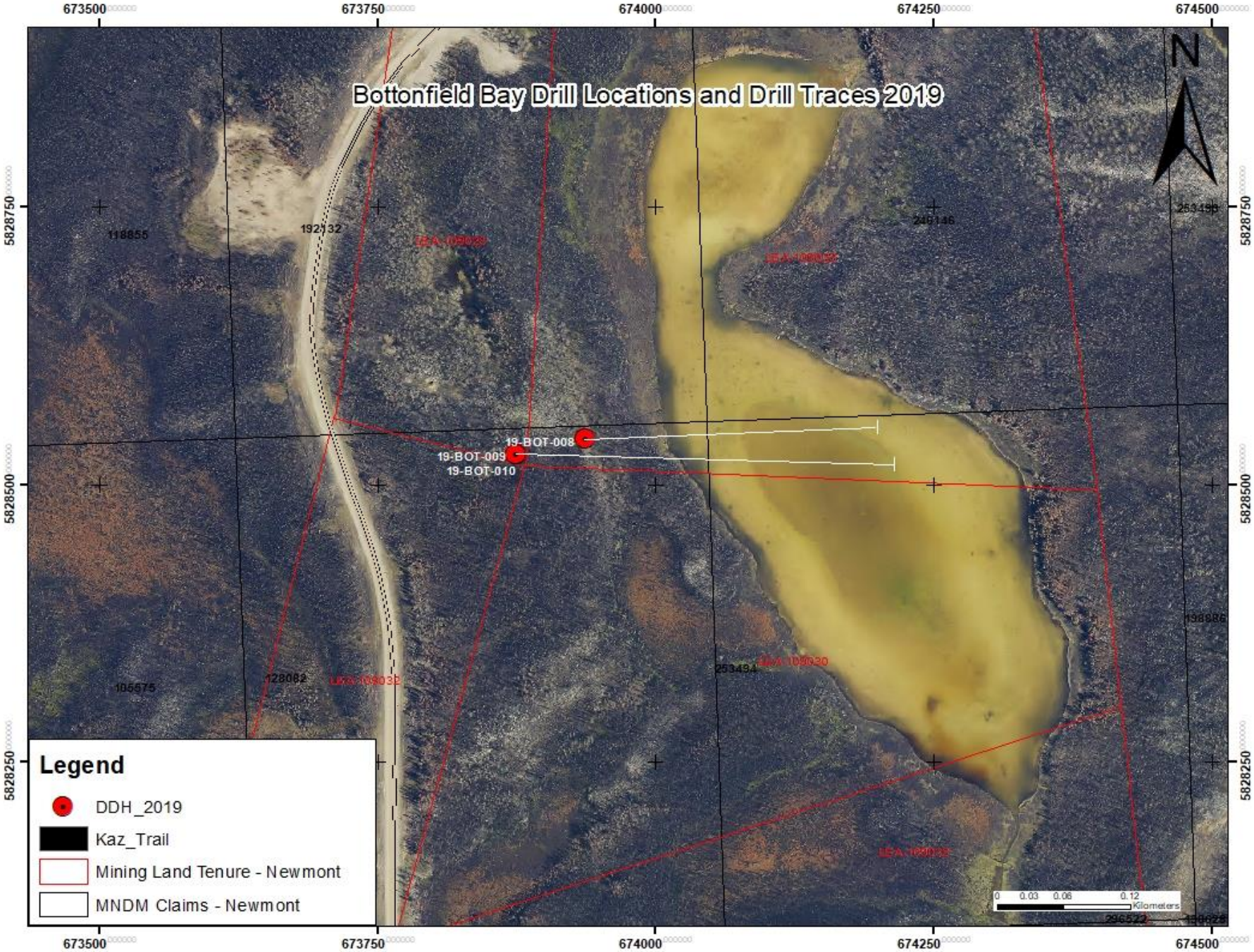

Figure 16. Collar locations for the 2019 Bottonfield Bay drilling program.

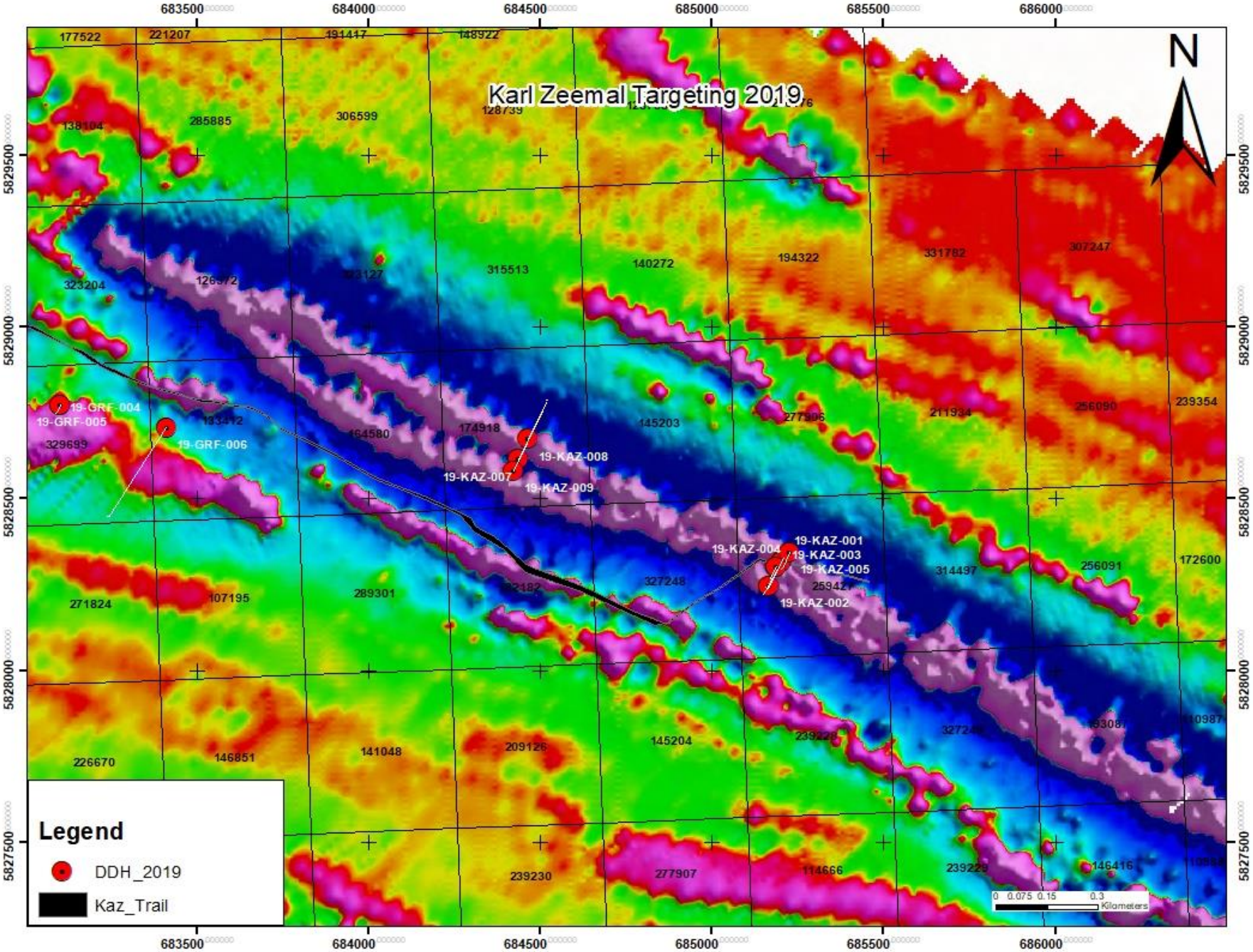

Figure 17. Karl Zeemal DDH Locations. Aerial Magnetic Image - 1VD.

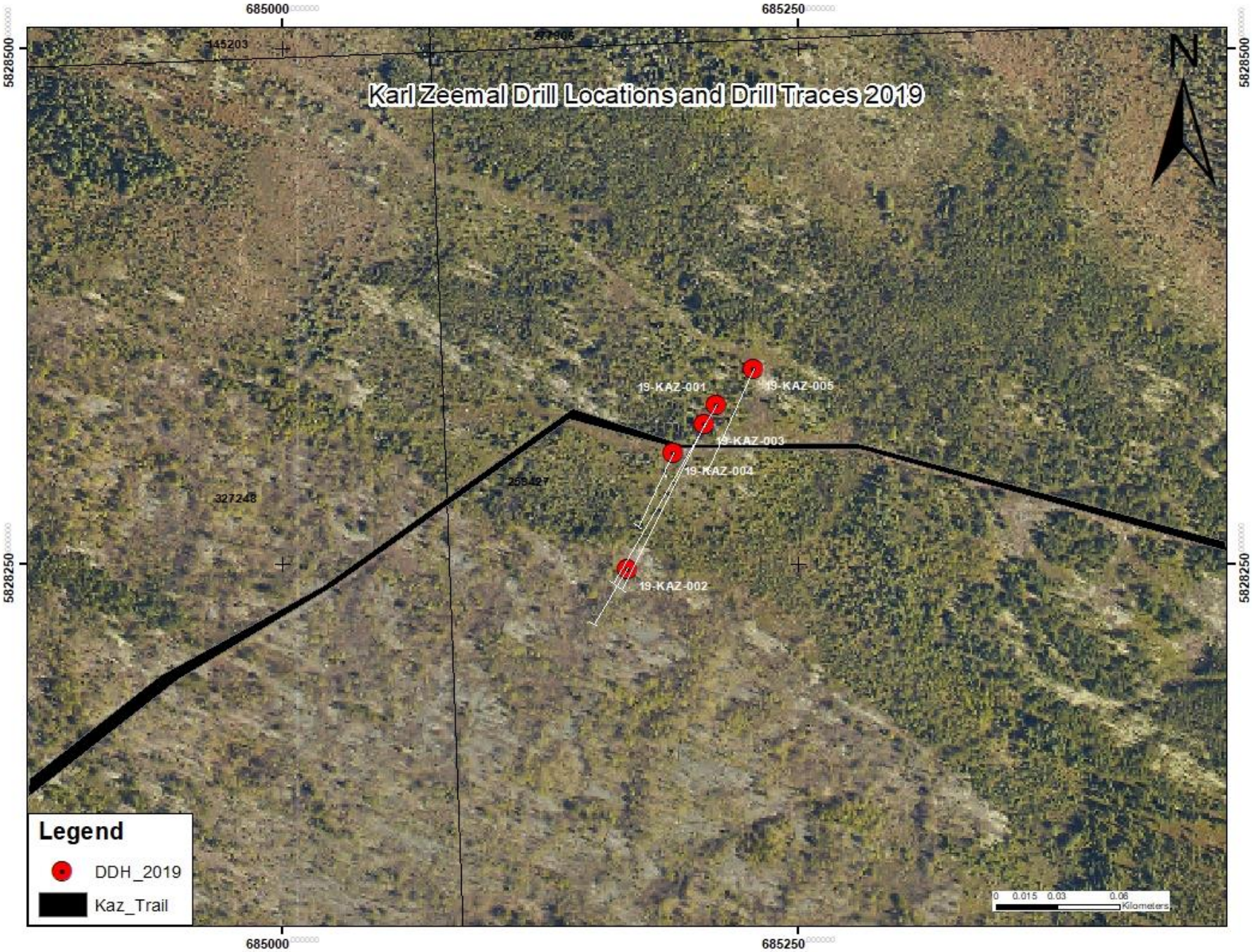

Figure 18. Collar locations of the 2019 KAZ drilling program.

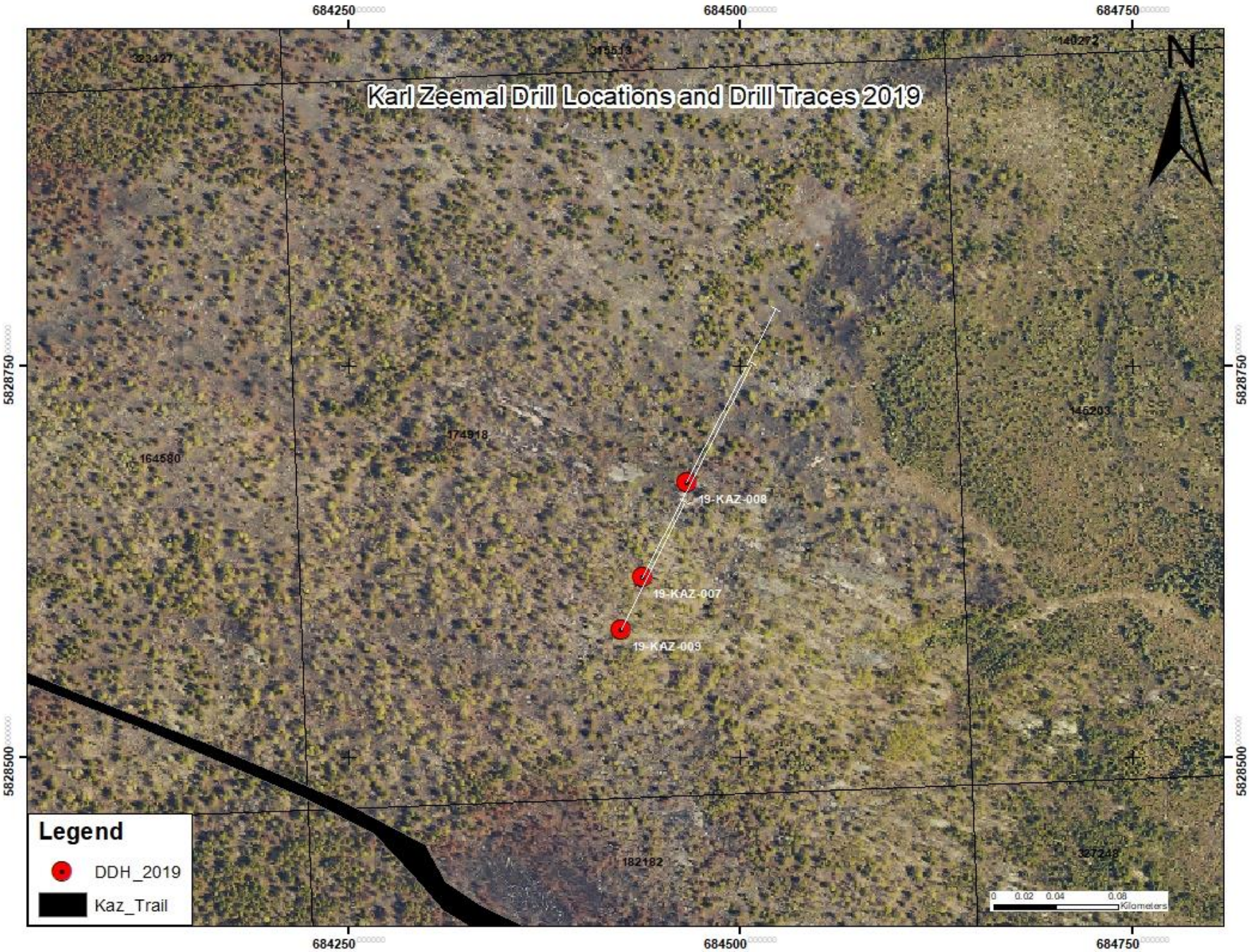

Figure 19. Collar locations of the 2019 KAZ drilling program.

Diamond Drilling - North Shore (NSD)
Description of Program

Exploration diamond drilling was completed on the north shore of Opapimiskan Lake (Figure 20) between the dates of February 11th, 2019 to October 9th, 2019. The work was performed for Newmont Corporation with the objective of confirming, delineating, and modelling previously identified, gold bearing sulphide mineralization in synformally folded oxide banded iron formations. Wedging techniques were utilized to intersect the target at depth with multiple daughter holes drilled from three parent holes.

Drilling services and transportation of workers was provided by Hy-Tech Drilling Ltd of Smithers, British Columbia. Transportation of materials was provided by Wisk Air Helicopters of Thunder Bay Ontario using a Bell 206 Long Ranger Helicopter.

All drill core was logged and sampled by staff geologists on the Musselwhite mine site. Core cutting was performed by employees of Ojijakoes Community Development Corp. One half of the core was sent for gold analysis and the other half remains in the core farm at Musselwhite mine.

Analytical services were provided by Activation laboratories Ltd. at locations in Dryden and Geraldton, Ontario. 30g pulps of pulverized and homogenized drill core samples were analyzed for gold by fire assay. Reference material was from CDN Resources Laboratories Ltd. and granite was used for blank material. Alternating blank and reference material was inserted every 10 samples for QA/QC. Reference material had gold values of 0.468 g/t, 3.05 g/t, 7.19 g/t and 13.28 g/t. Samples returning over 10ppm Au were reanalyzed with Gravimetric Fire Assay. Reference material would be considered a fail if it were more than 3 standard deviations from the expected value. Blank material would be considered a fail if it were more than 0.5g/t Au. If failed material was encountered, samples were sent for re-assay.

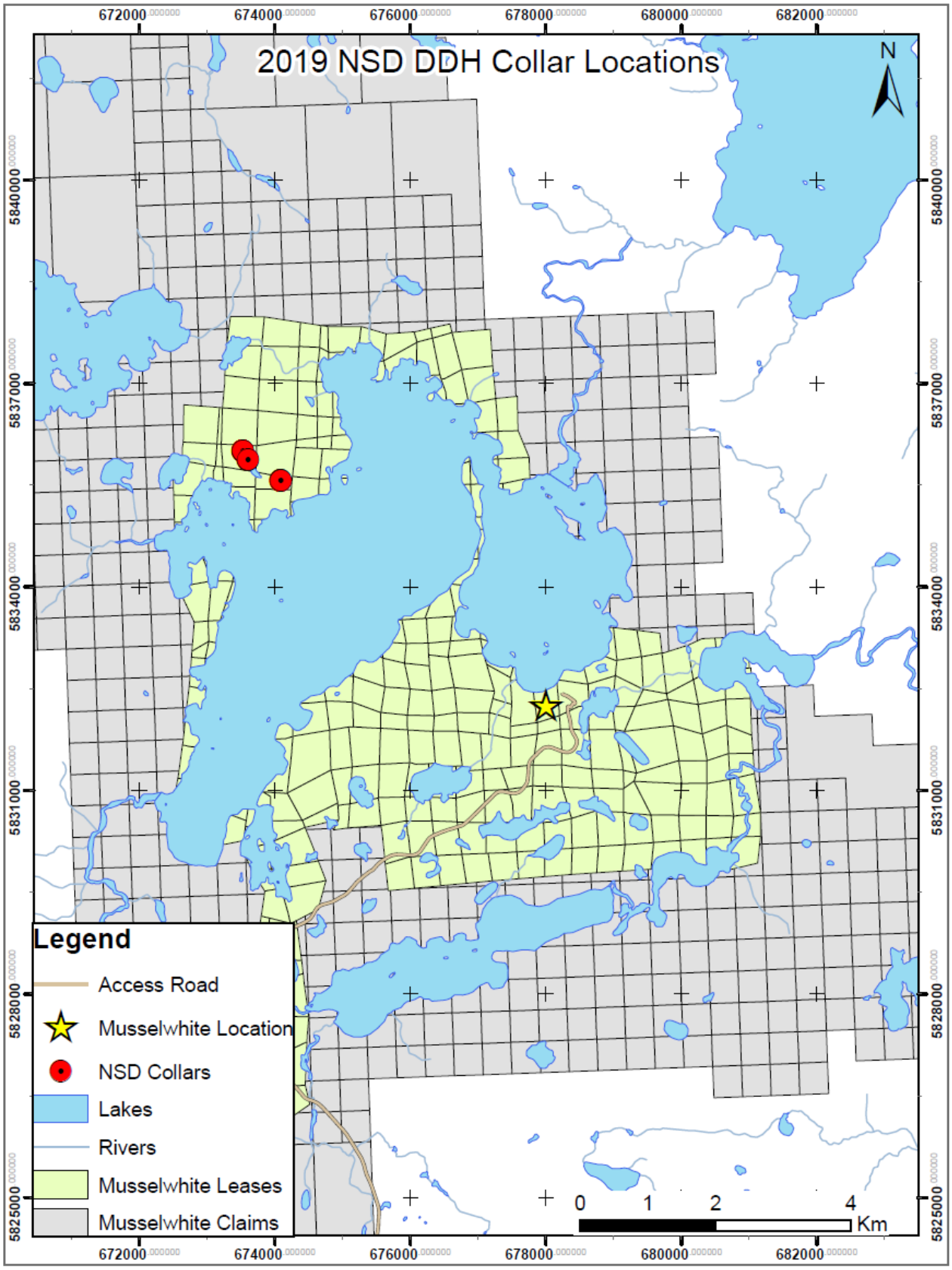

Figure 20. Claim map with collar locations of the 2019 NSD drilling program.

Table of Drill Hole Collars

Drill holes are surveyed to the local grid of Newmont's adjacent Musselwhite Mine but have been converted to UTM (NAD83 15N) for the purpose of this report. A total of 15 diamond drill holes were completed for a total of 8,502m of core retrieved. The total length including the length of parent holes for each drill hole totals 25,710m. Table 7 outlines the collar coordinates in both UTM and Mine Grid, as well as the total hole length and the total logged/core retrieved length.

One parent hole was used from the 2018 NSD program, and the other two parent holes were drilled during the 2019 program: 18-NSD-001, 19-NSD-005, and 19-NSD-006. The rest of the 2019 holes were drilled from these parent holes using steel and retrievable wedges. Three holes were cancelled (19-NSD-001, 19-NSD-004, 19-NSD-005) before intersecting the zone, due to concerns with wedging.

Table 7. Collar coordinates in both Musselwhite Mine Grid and UTM Nad83 Zone 15N. Total length and total logged length included.

Drill Hole	East (Mine Grid)	North (Mine Grid)	UTM East	UTM North	Planned Azimuth	Plan Dip	Total Length (m)	Logged Length (m)	Samples Assayed
19-NSD-001	7862.65	15631.58	673527.14	5836009.82	85	-84	1568	95.3	0
19-NSD-002	7862.65	15631.58	673527.14	5836009.82	85	-84	1866	468.7	195
19-NSD-003	7862.65	15631.58	673527.14	5836009.82	85	-84	1842	301.1	159
19-NSD-004	7862.65	15631.58	673527.14	5836009.82	85	-84	1668	52	0
19-NSD-005	7820.73	15489.57	673596.00	5835878.74	85	-82	946.5	946.5	535
19-NSD-006	7951.95	14923.50	674084.48	5835564.04	85	-84	1697	1697	1161
19-NSD-007	7862.65	15631.58	673527.14	5836009.82	85	-84	1830	165.7	140
19-NSD-008	7820.73	15489.57	673596.00	5835878.74	85	-82	1887	955.8	548
19-NSD-009	7862.65	15631.58	673527.14	5836009.82	85	-84	1824	838.9	347
19-NSD-010	7951.95	14923.50	674084.48	5835564.04	85	-84	1713	471.4	285
19-NSD-011	7820.73	15489.57	673596.00	5835878.74	85	-82	1938	538	312
19-NSD-013	7862.65	15631.58	673527.14	5836009.82	85	-84	1809	594.5	261
19-NSD-012	7951.95	14923.50	674084.48	5835564.04	85	-84	1722	493.9	179
19-NSD-014	7820.73	15489.57	673596.00	5835878.74	85	-82	1893.5	440.6	270
19-NSD-015	7951.95	14923.50	674084.48	5835564.04	85	-84	1506	442.6	126
						TOTAL	25710	8502	4518

Table of Meters and Samples Per Claim

Figure 21 shows the six mining leases on which the drilling work was performed. Table 8 outlines how many metres were drilled per mining lease. The collars of the NSD drill holes are located on LEA-107583 and LEA-107592.

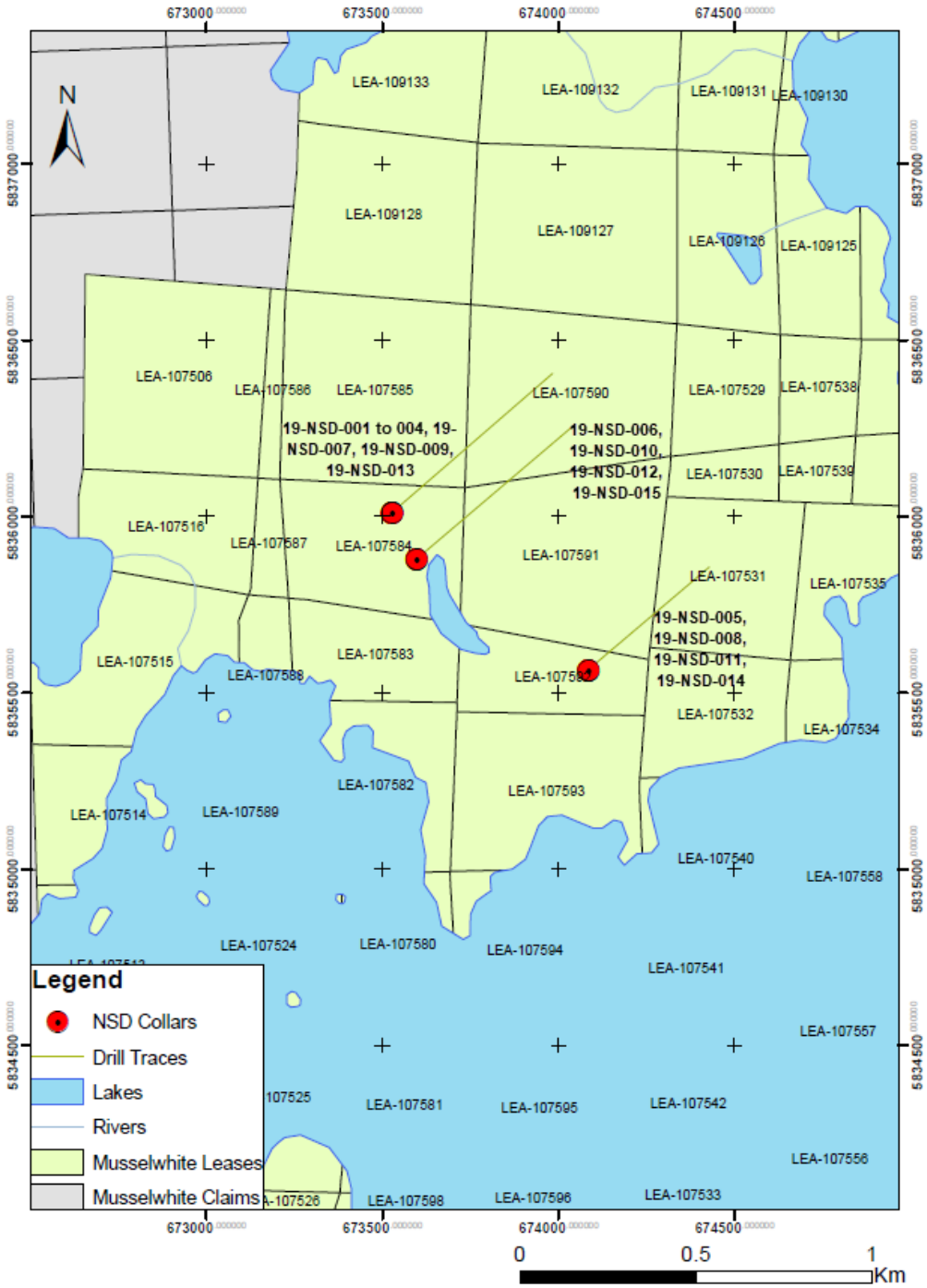

Figure 21. Collar locations on Musselwhite Mine Claim map.

Table 8. Meterage drilled per claim.

Claim Number	Meters Drilled
LEA-107584	881
LEA-107585	247
LEA-107590	4090
LEA-107591	1129
LEA-107592	519
LEA-107531	1636

Results and Conclusions

A total of 4,518 samples were collected and sent to Activation Laboratories for analysis. Evaluation of the data indicates that the program was successful in determining the geology of Musselwhite Mine has a down strike continuity 1km mine-north of the in-mine exploration.

Table 9 outlines a summary of significant gold intercepts. The gold intercepts were seen in a variety of lithologies. Intercepts were in undefined zones scattered in the drill holes as well as in defined zones seen at Musselwhite. Most of the drill holes intercepted significant gold grades in the Northern Iron Formation, which is what program was targeting.

Table 9. Significant gold intercepts in the 2019 NSD drilling program.

Hole ID	From (m)	To (m)	Length (m)	Zone	Lithology	Width (m)	Au g/t
19-NSD-002	1705.8	1713.3	7.5	Undefined	Garnet-amphibole-biotite schist	5.6	11.64
	1788.1	1791	2.9	Undefined	Garnet-biotite schist & mafic volcanic	2	3.11
	1816.1	1829.5	13.4	PQ Limb	Garnet-grunerite-amphibole IF	10	16.2
19-NSD-003	1701.4	1703	1.6	Undefined	Garnet-biotite schist	1.4	7.94
	1772.2	1773	0.8	Undefined	Garnet-biotite schist	0.8	8.32
	1791.7	1792.3	0.6	Undefined	Garnet-amphibole IF	0.5	8.2
	1798	1806.4	8.4	PQ Limb	Garnet-grunerite-amphibole IF	6.4	25.21
	1808.7	1809.6	0.9	PQ Limb	Chert-magnetite IF	0.9	17.3
19-NSD-006	107.2	107.7	0.5	Undefined	Quartz Vein	0.3	4.03
	462.2	463	0.8	Undefined	Felsic Tuff	0.6	3.48
	1389.5	1390.6	1.1	Undefined	Garnet-biotite schist	0.9	5.42
	1526.9	1527.7	0.8	Undefined	Garnet-amphibole IF	0.7	3.46
	1536.4	1546.5	10.1	Undefined	Garnet-amphibole IF & garnet-biotite schist	2.7	7.92
	1568.3	1569	0.7	Undefined	Garnet-amphibole IF	0.6	18.1
	1619	1622.4	3.4	PQ Limb	Garnet-grunerite-amphibole IF	2.9	10.03
	1668.3	1669.1	0.8	Undefined	Chert-magnetite IF	0.6	3.29
19-NSD-007	1766	1767.1	1.1	Undefined	Garnet-biotite schist	1	6.63
	1782	1782.6	0.6	Undefined	Garnet-amphibole IF	0.5	4.91
	1791	1791.4	0.4	Undefined	Garnet-amphibole IF	0.4	3.52
	1796	1798.1	2.1	PQ Limb	Garnet-grunerite-amphibole IF	1.9	9.26
	1804	1804.6	0.5	PQ Limb	Chert-magnetite IF	0.5	6.13

19-NSD-008	1349.1	1350.1	1	Undefined	Garnet-bearing metasediments	0.9	4.15
	1676.1	1677	0.9	Undefined	Garnet-biotite schist	0.8	7.07
	1778.9	1780.8	1.9	Undefined	Garnet-bearing mafic volcanic	0.9	28.97
	1782.1	1783.1	1	Undefined	Garnet-amphibole IF	0.5	3.54
	1806.6	1814.3	7.7	PQ Limb	Garnet-grunerite-amphibole IF	3.8	2.68
	1818.3	1820.6	2.3	PQ Limb	Chert-magnetite IF & garnet-biotite schist	1.7	7.77
19-NSD-009	1675.3	1675.7	0.4	Undefined	Garnet-biotite schist	0.4	6.22
	1726.1	1727.5	1.4	Undefined	Garnet-biotite schist	1.2	3.58
	1737.7	1738.5	0.8	Undefined	Garnet-amphibole IF	0.7	4.01
	1763.4	1764	0.6	PQ Limb	Garnet-grunerite-amphibole IF	0.5	4.27
	1777	1777.4	0.4	Undefined	Chert-magnetite IF	0.3	25.2
19-NSD-010	1512.1	1516.5	4.4	Undefined	Garnet-amphibole IF	1.4	3.49
	1569	1570	1	Undefined	Garnet-amphibole IF	1	3.69
	1617	1618	1	Undefined	Mafic volcanic	0.7	3.51
	1632	1636.1	4.1	PQ Limb	Garnet-grunerite-amphibole IF	2.6	9.55
	1658.6	1659	0.4	Undefined	Chert-magnetite IF & garnet-biotite schist	0.2	9
	1666.9	1667.5	0.6	Undefined	Chert-magnetite IF & garnet-biotite schist	0.4	5.26
	1678	1680.3	2.3	Undefined	Chert-magnetite IF	1.7	2.69
19-NSD-011	1682.1	1682.9	0.8	Undefined	Garnet-amphibole IF	0.6	13.4
	1731.5	1732.5	1	Undefined	Garnet-biotite schist	0.6	4.57
	1766.5	1767.1	0.6	Undefined	Garnet-amphibole IF	0.4	3.39
	1791.9	1792.3	0.4	Undefined	Garnet-amphibole IF	0.3	14.7
	1821.5	1822.5	1	Undefined	Garnet-biotite schist	0.4	3
	1828.2	1831.4	3.2	PQ Limb	Garnet-grunerite-amphibole IF	2	2.25
	1841.1	1842.1	1	PQ Limb	Chert-magnetite IF & garnet-biotite schist	0.6	4.15
19-NSD-012	1464	1466.2	2.2	Undefined	Garnet-biotite schist	1.4	26.63
	1502	1502.7	0.7	Undefined	Garnet-amphibole IF	0.6	7.83
	1520.7	1522.5	1.8	Undefined	Garnet-amphibole IF	1.6	13.08
	1584	1585.4	1.4	Undefined	Garnet-amphibole IF	1	3.85
	1659.3	1660.5	1.2	PQ Limb	Garnet-grunerite-amphibole IF	0.7	5.31
19-NSD-013	1709.6	1710.4	0.8	Undefined	Garnet-biotite schist	0.7	3.29
	1737.5	1737.9	0.4	Undefined	Garnet-amphibole IF	0.3	3.13
	1751.6	1752.2	0.6	PQ Limb	Garnet-grunerite-amphibole IF	0.5	6.97
19-NSD-014	1686.2	1686.7	0.5	Undefined	Garnet-amphibole IF	0.3	4.4
	1796.6	1797	0.4	Undefined	Garnet-amphibole IF	0.3	23
	1829	1830	1	Undefined	Garnet-biotite schist	0.7	3.98
	1835.6	1838.5	2.9	PQ Limb	Chert-magnetite IF & garnet-biotite schist	2	3.64
	1849.9	1851.5	1.6	Undefined	Garnet-grunerite-amphibole IF	1	15.99
	1854.4	1854.9	0.5	Undefined	Chert-magnetite IF & garnet-biotite schist	0.3	6.15

Recommendations

For Karl Zeemal, it is recommended to continue with prospecting and outcrop mapping the soil anomalies, as this could lead to more refined or new targets, and then to go in with a few drill holes to confirm.

Recommendations for the Bottonfield and Graff Lake targets would be to do outcrop mapping and lithogeochemical sampling to refine possible targets. A few more drill holes

should be drilled to follow up on the significant gold intercepts that were intersected in a few of the holes.

Based on the results of the North Shore Program, it is recommended that more exploration diamond drilling be completed to confirm and delineate the continuity of the gold bearing Northern Iron Formation along strike.

Summary of Costs

Table 10 below details all costs incurred to conduct the exploration activities on the Karl Zeemal claims described in this report. All relevant invoiced and receipts are appended to this report. All non-applicable charges have been deducted from the totals of each invoice.

Table 11 details all the costs incurred to conduct the North Shore and the KAZ/GRF/BOT drilling program. All relevant invoices and receipts are appended to this report. Table 12-14 shows cost per claim and total drilling program costs.

Table 10. Summary of costs incurred to complete the 2019 exploration program of the Karl Zeemal claim group described above.

Services and Materials

Category	Invoice Date	Invoice Number	Payee	Description	Amount
Transportation	18-Jun-19	7170	Wisk Air Helicopters	1 Flight Hrs.	$1,316.00
				Subtotal	$1,316.00
Assaying	8-Jul-19	A19-08798	Activation Laboratories Ltd.	UT-4 + Fire Assay 27 Samples	$992.15
				Subtotal	$992.15

Personnel

Category	Person	Rate/Day	Person-days	Description	Amount
Field Operations	Staff Exploration Geologist (3)	$600.00	27	Field Days Only	$16,200.00
	Field Geologist (2)	$465.00	18	Field Days Only	$8,370.00
	Student Field Geologist (2)	$350.00	18	Field Days Only	$6,300.00

				Subtotal	$30,870.00
Data compilation and Interpretation	Staff Exploration Geologist	$600.00	5	Days ahead of field season	$3,000.00
				Subtotal	$3,000.00
Reporting	Project Geologist	$750.00	2	salary	$1,500.00
				Subtotal	$1,500.00
Lodging	Goldcorp Personnel (3)	$80.00	30	Musselwhite Mine Camp	$2,400.00
	Wisk Air Personnel (2)	$80.00	6	Musselwhite Mine Camp	$480.00
	Bayside Personnel (4)	$80.00	40	Musselwhite Mine Camp	$3,200.00
				Subtotal	$6,080.00

Misc.

Category	Invoice Date	Invoice Number	Payee	Description	Amount
Field Communications	7/1/2019	ICAD00171129	inReach Inc.	Subscription for Garmin inReach Devices	$402.82
				Subtotal	$402.82
				Program Total	$44,160.97

Table 11. Summary of costs incurred to complete the 2019 exploration drilling programs of the KAZ & North Shore claim group described above.

Services and Materials					
Category	Invoice Date	Invoice Number	Payee	Description	Amount
Transportation	12-Aug-19	7218	Wisk Air Helicopters	89.9 Flight Hrs.	$ 118,308.40
	22-Jul-19	7201		83 Flight Hrs.	$ 109,228.00
	5-Jul-19	7185		105.9 Flight Hrs.	$ 146,987.40
	18-Jun-19	7171		4.9 Flight Hrs.	$ 8,111.00
	18-Jun-19	7170		67.1 Flight Hrs.	$ 113,223.60
	31-May-19	7153		27 Flight Hrs.	$ 54,756.00
	17-May-19	7134		8.4 Flight Hrs.	$ 11,424.00
	7-Oct-19	7283		61.2 Flight Hrs.	$ 80,539.20
	15-Oct-19	7290		62.8 Flight Hrs.	$ 82,669.80
	24-Sep-19	7269		61.4 Flight Hrs.	$ 80,802.40
	4-Sep-19	7252		65.7 Flight Hrs	$ 66,461.20
	26-Aug-19	7227		81.9 Flight Hrs	$ 107,780.40
	4-Apr-19	7109		95.1 Flight Hrs	$ 111,036.00
	12-Apr-19	7115		Bulk Fuel Used	$ 8,996.00
	3-Apr-19	7108		24.3 Flight Hrs	$ 33,048.00
	4-Apr-19	7109		95.1 Flight Hrs	$ 111,036.00
	18-Mar-19	7105		Bulk Fuel Used	$ 7,725.00
	4-Mar-19	7094		11.3 Flight Hrs	$ 15,368.00
	18-Mar-19	7104		23.9 Flight Hrs	$ 32,504.00
	29-May-19	7089		Bulk Fuel Used	$ 9,037.50
	27-Feb-19	7088		6 Flight Hrs	$ 6,960.00
	7-Oct-19	7283		61.2 Flight Hrs.	$ 80,850.00
				Subtotal	**$ 1,396,851.90**
Personnel					
Lodging	Person	Rate/Day	Person-Days	Description	Amount
	Wisk Air Personnel (2)	$80.00	482	Musselwhite Camp	$38,560.00
	Hy-Tech Personnel (14)	$80.00	3374		$269,920.00
				Subtotal	**$308,480.00**
				Program Total	**$ 1,705,331.90**

Table 12. Table of drilling costs per claim.

KAZ/GRF/BOT Drilling		
Claim Number	Meters Drilled	Cost/Claim
259427	510	$ 94,961.62
174918	393	$ 73,176.31
133412	77	$ 14,337.34
329699	418	$ 77,831.29
153421	179	$ 33,329.67
146319	246	$ 45,805.02
262237	184	$ 34,260.66
128082	313	$ 58,280.37
253494	470	$ 87,513.65
126733	208	$ 38,729.45
246918	959	$ 178,565.09
Total	**3957**	**$ 736,790.47**
KAZ Drilling Total	Drilling cost/m	
$ 736,790.47	$ 186.20	
NSD Drilling		
Claim Number	Meters Drilled	Cost/Claim
LEA-107584	881	$ 112,121.45
LEA-107585	247	$ 31,434.73
LEA-107590	4090	$ 520,518.41
LEA-107591	1129	$ 143,683.44
LEA-107592	519	$ 66,051.11
LEA-107531	1636	$ 208,207.36
Total	**8502**	**$ 1,082,016.50**
NSD Drilling total	Drilling cost/m	
$ 1,082,016.50	$ 127.27	
Assay Cost/sample	$ 10.01	
Assay cost/claim	$ 5,107.65	

Table 13. Total program total per claim.

Total Cost/Claim		
259427	$	100,069.27
174918	$	78,283.96
133412	$	19,444.99
329699	$	82,938.94
153421	$	38,437.31
146319	$	50,912.66
262237	$	39,368.31
128082	$	63,388.02
253494	$	92,621.30
126733	$	43,837.09
246918	$	183,672.74
LEA-107584	$	117,229.09
LEA-107585	$	36,542.38
LEA-107590	$	525,626.05
LEA-107591	$	148,791.09
LEA-107592	$	71,158.76
LEA-107531	$	213,315.01
TOTAL	**$**	**1,905,636.97**
Program Total		
NSD Drilling	$	1,082,016.50
KAZ/BOT/GRF Drilling	$	736,790.47
Assays	$	86,830.00
TOTAL	**$**	**1,905,636.97**

Table 14. KAZ Lithogeochemical program cost per claim.

Claim Number	Number of samples	Cost/Claim
110987	1	$ 1,635.59
110988	6	$ 9,813.55
145203	1	$ 1,635.59
145204	0	$ -
146416	2	$ 3,271.18
164580	0	$ -
174918	1	$ 1,635.59
182182	1	$ 1,635.59
193087	7	$ 11,449.13
212535	1	$ 1,635.59
239228	0	$ -
259427	4	$ 6,542.36
268514	1	$ 1,635.59
314497	0	$ -
327248	1	$ 1,635.59
327249	1	$ 1,635.59
Total	**27**	**$ 44,160.93**

DocuSign Envelope ID: BA218F78-6E79-4B71-BA0E-20FA191630B1

Statement of Qualifications

I, Shannon Fry, do hereby certify that:

I am a resident of the township of Shuniah, Ontario, Canada.

I am a graduate of Lakehead University receiving a Bachelor of Science Degree in Geology in 2014.

I am a Professional Geoscientist registered in good standing with the Professional Geoscientists of Ontario, member #2911.

I am employed by Newmont Corporation, as an Exploration Geology Supervisor at Musselwhite Mine in the District of Kenora, Northwestern Ontario.

I agree with all the information contained within this report and believe that it is an accurate description of the work performed.

The above statements are valid.

DocuSigned by:
Shannon Fry
FC52453011FE419...

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Jun-19
Invoice No.: A19-07313
Invoice Date: 05-Jun-19
Your Reference: MW5136 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

41 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07313**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F002251	< 0.005	
F002252	0.006	
F002253	0.010	
F002254	0.009	
F002255	0.006	
F002256	0.007	
F002257	0.008	
F002258	< 0.005	
F002259	0.008	
F002260	< 0.005	
F002261	0.201	
F002262	0.006	
F002263	0.032	
F002264	0.057	
F002265	0.033	
F002266	0.034	
F002267	0.009	
F002268	0.010	
F002269	0.011	
F002270	> 10.0	14.2
F002271	0.021	
F002272	0.005	
F002273	0.007	
F002274	0.022	
F002275	0.006	
F002276	0.011	
F002277	< 0.005	
F002278	0.009	
F002279	0.005	
F002280	< 0.005	
F002281	0.014	
F002282	0.046	
F002283	< 0.005	
F002284	0.005	
F002285	0.005	
F002286	0.014	
F002287	0.036	
F002288	0.005	
F002289	0.015	
F002290	3.80	
F002291	0.006	
OREAS 224 (Fire Assay) Meas		2.22

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.26	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.25	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.348	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.332	
OREAS 217 (Fire Assay) Cert	0.338	
F002260 Orig	< 0.005	
F002260 Dup	< 0.005	
F002271 Orig	0.021	
F002271 Dup	0.018	
F002280 Orig	< 0.005	
F002280 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Jun-19
Invoice No.: A19-07317
Invoice Date: 05-Jun-19
Your Reference: MW5136 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

71 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07317**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F008771	0.538
F008772	0.049
F008773	0.717
F008774	0.236
F008775	1.79
F008776	0.308
F008777	1.41
F008778	0.688
F008779	0.774
F008780	< 0.005
F008781	0.452
F008782	0.084
F008783	0.130
F008784	0.051
F008785	0.107
F008786	0.364
F008787	0.140
F008788	0.078
F008789	0.053
F008790	3.60
F008791	0.006
F008792	0.011
F008793	0.011
F008794	0.025
F008795	0.022
F008796	0.037
F008797	0.139
F008798	0.510
F008799	0.032
F008800	0.005
F008801	0.021
F008802	0.006
F008803	0.218
F008804	0.072
F008805	0.067
F008806	0.009
F008807	0.128
F008808	0.223
F008809	0.126
F008810	3.69
F008811	0.162
F008812	0.105
F008813	0.005

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F008814	0.006
F008815	< 0.005
F008816	0.005
F008817	< 0.005
F008818	0.005
F008819	0.007
F008820	< 0.005
F008821	0.005
F008822	< 0.005
F008823	0.005
F008824	0.017
F008825	< 0.005
F008826	< 0.005
F008827	< 0.005
F008828	< 0.005
F010641	2.27
F010642	0.081
F010643	0.021
F010644	0.017
F010645	0.011
F010646	0.008
F010647	0.025
F010648	0.020
F010649	0.018
F010650	0.486
F010651	0.008
F010652	0.016
F010653	0.014
OREAS 222 (Fire Assay) Meas	1.22
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.24
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.24
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.347
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire	0.343

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
Assay) Meas	
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.347
OREAS 217 (Fire Assay) Cert	0.338
F008781 Orig	0.452
F008781 Dup	0.515
F008791 Orig	0.006
F008791 Dup	0.010
F008801 Orig	0.021
F008801 Dup	0.028
F008815 Orig	< 0.005
F008815 Dup	0.005
F008825 Orig	< 0.005
F008825 Dup	< 0.005
F010647 Orig	0.025
F010647 Dup	0.023
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 03-Jun-19
Invoice No.: A19-07325
Invoice Date: 06-Jun-19
Your Reference: MW5138 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07325**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F006947	0.749	
F006948	0.467	
F006949	0.019	
F006950	0.493	
F006951	0.011	
F010501	0.014	
F010502	0.016	
F010503	0.145	
F010504	0.017	
F010505	0.062	
F010506	0.024	
F010507	0.045	
F010508	0.039	
F010509	< 0.005	
F010510	3.60	
F010511	0.035	
F010512	0.022	
F010513	0.016	
F010514	0.051	
F010515	0.031	
F010516	0.017	
F010517	0.011	
F010518	0.018	
F010519	0.025	
F010520	0.005	
F010521	0.015	
F010522	0.017	
F010523	0.020	
F010524	0.010	
F010525	0.009	
F010526	0.015	
F010527	0.025	
F010528	0.012	
F010529	0.024	
F010530	7.25	
F010531	0.011	
F010532	0.025	
F010533	0.043	
F010534	0.025	
F010535	0.033	
F010536	0.075	
F010537	0.315	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010538	1.69	
F010539	0.111	
F010540	< 0.005	
F010541	0.369	
F010542	0.035	
F010543	0.046	
F010544	0.060	
F010545	0.379	
F010546	1.57	
F010547	0.111	
F010548	0.137	
F010549	0.011	
F010550	0.466	
F010551	0.010	
F010552	0.010	
F010553	0.019	
F010554	0.008	
F010555	0.007	
F010556	0.009	
F010557	0.008	
F010558	< 0.005	
F010559	0.005	
F010560	< 0.005	
F010561	0.006	
F010562	0.016	
F010563	< 0.005	
F010564	0.017	
F010565	0.057	
F010566	0.018	
F010567	0.014	
F010568	0.045	
F010569	0.017	
F010570	> 10.0	14.3
F010571	0.021	
F010572	0.016	
F010573	0.011	
F010574	0.015	
F010575	0.028	
F010576	0.021	
F010577	0.041	
F010578	0.033	
F010579	0.057	
F010580	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010581	0.022	
F010582	7.39	
F010583	0.056	
F010584	0.024	
F010585	0.011	
F010586	0.015	
F010587	0.007	
F010588	0.008	
F010589	0.130	
F010590	3.55	
F010591	0.009	
F010592	0.009	
F010593	0.009	
F010594	0.257	
F010595	0.954	
F010596	0.025	
F010597	0.029	
F010598	0.035	
F010599	0.042	
F010600	0.007	
F010601	0.027	
F010602	0.025	
F010603	0.025	
F010604	0.024	
F010605	0.025	
F010606	0.081	
F010607	0.034	
F010608	0.025	
F010609	0.029	
F010610	3.71	
F010611	0.033	
F010612	0.044	
F010613	0.110	
F010614	0.046	
F010615	0.041	
F010616	0.054	
F010617	0.021	
F010618	0.040	
F010619	0.027	
F010620	0.008	
F010621	0.020	
F010622	0.030	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010623	0.037	
F010624	0.019	
F010625	0.022	
F010626	0.012	
F010627	0.016	
F010628	0.016	
F010629	0.025	
F010630	6.93	
F010631	0.016	
F010632	0.010	
F010633	0.011	
F010634	0.013	
F010635	0.016	
F010636	0.012	
F010637	0.015	
F010638	0.011	
F010639	0.028	
F010640	0.006	
OREAS 224 (Fire Assay) Meas		2.22
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.26	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.16	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 217 (Fire Assay) Meas	0.349	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.347	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.348	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.330	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.345	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.349	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.4
OREAS 257 Cert		14.18
F010505 Orig	0.062	
F010505 Dup	0.059	
F010515 Orig	0.031	
F010515 Dup	0.031	
F010525 Orig	0.009	
F010525 Dup	0.011	
F010540 Orig	< 0.005	
F010540 Dup	0.005	
F010545 Orig	0.379	
F010545 Split	0.298	
F010549 Orig	0.011	
F010549 Dup	0.017	
F010559 Orig	0.005	
F010559 Dup	< 0.005	
F010574 Orig	0.015	
F010574 Dup	0.015	
F010584 Orig	0.024	
F010584 Dup	0.024	
F010594 Orig	0.257	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010594 Dup	0.220	
F010595 Orig	0.954	
F010595 Split	1.06	
F010608 Orig	0.025	
F010608 Dup	0.026	
F010618 Orig	0.040	
F010618 Dup	0.038	
F010628 Orig	0.016	
F010628 Dup	0.015	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Jun-19
Invoice No.: A19-07529
Invoice Date: 20-Jun-19
Your Reference: MW5146

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A19-07529**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011624	0.025	
F011625	0.033	
F011626	0.022	
F011627	0.057	
F011628	0.107	
F011629	0.048	
F011630	7.05	
F011631	0.034	
F011632	0.028	
F011633	0.025	
F011634	0.015	
F011635	0.018	
F011636	0.012	
F011637	0.008	
F011638	0.012	
F011639	0.008	
F011640	< 0.005	
F011641	0.011	
F011642	0.015	
F011643	0.018	
F011644	0.040	
F011645	0.104	
F011646	0.163	
F011647	0.037	
F011648	0.018	
F011649	0.018	
F011650	0.442	
F011651	0.015	
F011652	0.016	
F011653	0.022	
F011654	0.013	
F011655	0.005	
F011656	0.019	
F011657	0.035	
F011658	0.006	
F011659	0.013	
F011660	< 0.005	
F011661	0.030	
F011662	< 0.005	
F011663	0.006	
F011664	0.014	
F011665	0.008	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011666	0.008	
F011667	0.006	
F011668	0.009	
F011669	0.035	
F011670	> 10.0	14.2
F011671	0.037	
F011672	0.022	
F011673	0.010	
F011674	0.012	
F011675	0.007	
F011676	0.019	
F011677	0.045	
F011678	0.005	
F011679	0.030	
F011680	< 0.005	
F011681	0.019	
F011682	0.007	
F011683	0.030	
F011684	0.025	
F011685	0.014	
F011686	0.031	
F011687	0.037	
F011688	0.023	
F011689	0.021	
F011690	3.37	
F011691	0.015	
F011692	0.042	
F011693	0.047	
F011694	0.065	
F011695	0.023	
F011696	0.038	
F011697	0.020	
F011698	0.006	
F011699	< 0.005	
F011700	< 0.005	
F011701	< 0.005	
F011702	< 0.005	
F011703	< 0.005	
F011704	0.007	
F011705	0.007	
F011706	0.006	
F011707	0.008	
F011708	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011709	0.019	
F011710	3.76	
F011711	0.007	
F011712	0.016	
F011713	0.017	
F011714	0.005	
F011715	< 0.005	
F011716	0.025	
F011717	0.015	
F011718	< 0.005	
F011719	< 0.005	
F011720	< 0.005	
F011721	0.011	
F011722	0.017	
F011723	< 0.005	
F011724	0.013	
F011725	0.044	
F011726	0.027	
F011727	0.021	
F011728	0.009	
F011729	0.007	
F011730	7.33	
F011731	0.008	
F011732	0.011	
F011733	0.006	
F011734	0.030	
F011735	0.006	
F011736	0.006	
F011737	0.006	
F011738	0.005	
F011739	0.007	
F011740	< 0.005	
F011741	0.006	
F011742	< 0.005	
F011743	0.019	
F011744	0.005	
F011745	< 0.005	
F011746	< 0.005	
F011747	< 0.005	
F011748	< 0.005	
F011749	< 0.005	
F011750	0.511	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011751	< 0.005	
F011752	< 0.005	
F011753	< 0.005	
F011754	< 0.005	
F011755	< 0.005	
F011756	< 0.005	
F011757	< 0.005	
F011758	< 0.005	
F011759	< 0.005	
F011760	< 0.005	
F011761	< 0.005	
F011762	< 0.005	
F011763	< 0.005	
F011764	< 0.005	
F011765	< 0.005	
F011766	< 0.005	
F011767	< 0.005	
OREAS 216 (Fire Assay) Meas		6.78
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.54	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.52	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.55	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.56	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.59	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.534	
OREAS 218 Cert	0.531	
OREAS 209 (Fire Assay) Meas	1.52	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.51	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.57	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.56	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 255 (Fire Assay) Meas		4.10
OREAS 255 (Fire Assay) Cert		4.08
F011639 Orig	0.008	
F011639 Dup	0.005	
F011646 Orig	0.163	
F011646 Dup	0.237	
F011657 Orig	0.035	
F011657 Dup	0.035	
F011673 Orig	0.010	
F011673 Split	0.008	
F011674 Orig	0.012	
F011674 Dup	0.013	
F011681 Orig	0.019	
F011681 Dup	0.014	
F011691 Orig	0.015	
F011691 Dup	0.014	
F011708 Orig	0.006	
F011708 Dup	0.006	
F011715 Orig	< 0.005	
F011715 Dup	< 0.005	
F011723 Orig	< 0.005	
F011723 Split	0.006	
F011725 Orig	0.044	
F011725 Dup	0.042	
F011736 Orig	0.006	
F011736 Dup	0.006	
F011746 Orig	< 0.005	
F011746 Dup	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011756 Orig	< 0.005	
F011756 Dup	< 0.005	
F011762 Orig	< 0.005	
F011762 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03
Method Blank	0.005	
Method Blank	< 0.005	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Jun-19
Invoice No.: A19-07530
Invoice Date: 19-Jun-19
Your Reference: MW5150

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

147 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A19-07530**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011768	0.007	
F011769	< 0.005	
F011770	> 10.0	14.7
F011771	0.005	
F011772	0.007	
F011773	< 0.005	
F011774	0.008	
F011775	< 0.005	
F011776	< 0.005	
F011777	< 0.005	
F011778	< 0.005	
F011779	< 0.005	
F011780	< 0.005	
F011781	< 0.005	
F011782	< 0.005	
F011783	< 0.005	
F011784	< 0.005	
F011785	< 0.005	
F011786	< 0.005	
F011787	< 0.005	
F011788	< 0.005	
F011789	< 0.005	
F011790	3.37	
F011791	< 0.005	
F011792	< 0.005	
F011793	< 0.005	
F011794	< 0.005	
F011795	< 0.005	
F011796	< 0.005	
F011797	< 0.005	
F011798	< 0.005	
F011799	< 0.005	
F011800	< 0.005	
F011801	< 0.005	
F011802	< 0.005	
F011803	< 0.005	
F011804	< 0.005	
F011805	< 0.005	
F011806	< 0.005	
F011807	< 0.005	
F011808	< 0.005	
F011809	0.008	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011810	3.73	
F011811	0.007	
F011812	0.044	
F011813	0.009	
F011814	0.203	
F011815	0.048	
F011816	0.205	
F011817	0.029	
F011818	0.022	
F011819	0.013	
F011820	< 0.005	
F011821	0.006	
F011822	0.014	
F011823	< 0.005	
F011824	< 0.005	
F011825	< 0.005	
F011826	< 0.005	
F011827	0.014	
F011828	0.006	
F011829	0.009	
F011830	7.25	
F011831	0.012	
F011832	0.010	
F011833	< 0.005	
F011834	0.020	
F011835	< 0.005	
F011836	< 0.005	
F011837	0.017	
F011838	0.005	
F011839	0.007	
F011840	< 0.005	
F011841	0.008	
F011842	0.005	
F011843	< 0.005	
F011844	< 0.005	
F011845	< 0.005	
F011846	< 0.005	
F011847	< 0.005	
F011848	< 0.005	
F011849	< 0.005	
F011850	0.490	
F011851	< 0.005	
F011852	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011853	< 0.005	
F011854	0.005	
F011855	0.005	
F011856	0.007	
F011857	< 0.005	
F011858	0.046	
F011859	0.023	
F011860	< 0.005	
F011861	0.026	
F011862	< 0.005	
F011863	< 0.005	
F011864	< 0.005	
F011865	< 0.005	
F011866	< 0.005	
F011867	< 0.005	
F011868	< 0.005	
F011869	< 0.005	
F011870	> 10.0	14.5
F011871	< 0.005	
F011872	< 0.005	
F011873	< 0.005	
F011874	< 0.005	
F011875	< 0.005	
F011876	0.017	
F011877	0.008	
F011878	0.005	
F011879	0.015	
F011880	< 0.005	
F011881	0.017	
F011882	< 0.005	
F011883	0.012	
F011884	0.020	
F011885	0.018	
F011886	0.005	
F011887	0.021	
F011888	0.021	
F011889	< 0.005	
F011890	3.73	
F011891	0.022	
F011892	0.008	
F011893	0.016	
F011894	0.164	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011895	0.054	
F011896	0.102	
F011897	0.027	
F011898	0.068	
F011899	0.043	
F011900	< 0.005	
F011901	< 0.005	
F011902	0.060	
F011903	0.443	
F011904	0.014	
F011905	0.593	
F011906	0.061	
F011907	0.046	
F011908	0.060	
F011909	0.100	
F011910	3.67	
F011911	0.141	
F011912	0.013	
F011913	0.007	
F011914	0.016	
OREAS 216 (Fire Assay) Meas		6.81
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.40	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.56	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 209 (Fire	1.59	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.54	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.53	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.55	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.50	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 255 (Fire Assay) Meas		4.22
OREAS 255 (Fire Assay) Cert		4.08
F011783 Orig	< 0.005	
F011783 Dup	< 0.005	
F011789 Orig	< 0.005	
F011789 Dup	< 0.005	
F011801 Orig	< 0.005	
F011801 Dup	< 0.005	
F011817 Orig	0.029	
F011817 Split	0.037	
F011817 Split	0.037	
F011824 Orig	< 0.005	
F011824 Dup	< 0.005	
F011835 Orig	< 0.005	
F011835 Dup	0.006	
F011847 Orig	< 0.005	
F011847 Dup	< 0.005	
F011856 Orig	0.007	
F011856 Dup	0.005	
F011865 Orig	< 0.005	
F011865 Dup	< 0.005	
F011867 Orig	< 0.005	
F011867 Split	< 0.005	
F011874 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011874 Dup	< 0.005	
F011892 Orig	0.008	
F011892 Dup	0.009	
F011903 Orig	0.443	
F011903 Dup	0.409	
F011909 Orig	0.100	
F011909 Dup	0.098	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Jun-19
Invoice No.: A19-07532
Invoice Date: 20-Jun-19
Your Reference: MW5153

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A19-07532**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011915	0.010	
F011916	0.054	
F011917	0.027	
F011918	0.024	
F011919	0.005	
F011920	< 0.005	
F011921	0.005	
F011922	0.005	
F011923	< 0.005	
F011924	0.017	
F011925	0.009	
F011926	0.006	
F011927	0.006	
F011928	0.116	
F011929	0.007	
F011930	7.11	
F011931	< 0.005	
F011932	0.007	
F011933	0.006	
F011934	0.008	
F011935	0.020	
F011936	0.020	
F011937	0.019	
F011938	0.029	
F011939	0.044	
F011940	< 0.005	
F011941	0.022	
F011942	0.009	
F011943	0.042	
F011944	0.020	
F011945	0.013	
F011946	0.008	
F011947	0.018	
F011948	0.014	
F011949	0.009	
F011950	0.488	
F011951	0.020	
F011952	0.020	
F011953	0.020	
F011954	0.026	
F011955	0.039	
F011956	0.037	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011957	0.057	
F011958	0.010	
F011959	0.011	
F011960	< 0.005	
F011961	0.098	
F011962	0.013	
F011963	< 0.005	
F011964	< 0.005	
F011965	0.015	
F011966	0.035	
F011967	0.037	
F011968	0.013	
F011969	0.028	
F011970	> 10.0	13.9
F011971	0.041	
F011972	0.021	
F012501	0.012	
F012502	0.008	
F012503	0.017	
F012504	0.009	
F012505	0.007	
F012506	0.010	
F012507	0.007	
F012508	0.009	
F012509	0.007	
F012510	3.59	
F012511	0.013	
F012512	0.008	
F012513	0.009	
F012514	0.037	
F012515	0.012	
F012516	0.012	
F012517	0.011	
F012518	0.013	
F012519	0.014	
F012520	< 0.005	
F012521	0.010	
F012522	0.006	
F012523	0.012	
F012524	0.172	
F012525	0.015	
F012526	0.005	
F012527	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012528	0.005	
F012529	0.008	
F012530	7.26	
F012531	0.014	
F012532	0.009	
F012533	0.010	
F012534	0.007	
F012535	0.009	
F012536	0.139	
F012537	0.009	
F012538	0.007	
F012539	0.005	
F012540	< 0.005	
F012541	0.005	
F012542	0.006	
F012543	0.014	
F012544	0.034	
F012545	0.039	
F012546	0.009	
F012547	0.005	
F012548	0.009	
F012549	0.148	
F012550	0.518	
F012551	0.011	
F012552	0.060	
F012553	2.08	
F012554	0.069	
F012555	0.009	
F012556	0.065	
F012557	0.148	
F012558	0.097	
F012559	0.009	
F012560	< 0.005	
F012561	0.008	
F012562	0.009	
F012563	0.012	
F012564	0.024	
F012565	0.009	
F012566	0.012	
F012567	0.056	
F012568	0.016	
F012569	0.011	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012570	> 10.0	14.1
F012571	0.013	
F012572	0.012	
F012573	0.009	
F012574	0.008	
F012575	0.008	
F012576	0.008	
F012577	0.005	
F012578	< 0.005	
F012579	< 0.005	
F012580	< 0.005	
F012581	< 0.005	
F012582	< 0.005	
F012583	0.005	
F012584	0.005	
F012585	0.006	
F012586	0.042	
OREAS 216 (Fire Assay) Meas		6.61
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.53	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.62	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.57	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.49	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.41	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.540	
OREAS 218 Cert	0.531	
OREAS 209 (Fire Assay) Meas	1.55	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.60	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.58	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 209 (Fire Assay) Meas	1.52	
OREAS 209 (Fire Assay) Cert	1.58	
OREAS 255 (Fire Assay) Meas		4.02
OREAS 255 (Fire Assay) Cert		4.08
F011919 Orig	0.005	
F011919 Dup	0.005	
F011943 Orig	0.042	
F011943 Dup	0.053	
F011964 Orig	< 0.005	
F011964 Split	< 0.005	
F011965 Orig	0.015	
F011965 Dup	0.015	
F011971 Orig	0.041	
F011971 Dup	0.025	
F012508 Orig	0.009	
F012508 Dup	0.013	
F012527 Orig	< 0.005	
F012527 Dup	< 0.005	
F012534 Orig	0.007	
F012534 Dup	0.007	
F012542 Orig	0.006	
F012542 Split	0.006	
F012544 Orig	0.034	
F012544 Dup	0.049	
F012561 Orig	0.008	
F012561 Dup	0.011	
F012568 Orig	0.016	
F012568 Dup	0.024	
F012579 Orig	< 0.005	
F012579 Dup	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012581 Orig	< 0.005	
F012581 Dup	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07539
Invoice Date:	11-Jun-19
Your Reference:	MW5142 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07539**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010654	0.012	
F010655	0.007	
F010656	0.014	
F010657	0.011	
F010658	0.017	
F010659	0.014	
F010660	< 0.005	
F010661	0.023	
F010662	0.146	
F010663	0.075	
F010664	0.018	
F010665	0.029	
F010666	0.012	
F010667	0.014	
F010668	0.005	
F010669	0.013	
F010670	> 10.0	13.8
F010671	0.059	
F010672	0.033	
F010673	0.040	
F010674	0.034	
F010675	0.016	
F010676	0.012	
F010677	0.010	
F010678	0.013	
F010679	0.022	
F010680	< 0.005	
F010681	0.008	
F010682	0.018	
F010683	0.033	
F010684	0.116	
F010685	0.052	
F010686	0.073	
F010687	0.027	
F010688	0.019	
F010689	0.027	
F010690	3.13	
F010691	0.033	
F010692	0.024	
F010693	0.031	
F010694	0.019	
F010695	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010696	0.016	
F010697	0.013	
F010698	0.010	
F010699	0.015	
F010700	0.006	
F010701	0.016	
F010702	0.050	
F010703	0.024	
F010704	0.041	
F010705	0.037	
F010706	0.364	
F010707	0.056	
F010708	0.049	
F010709	0.024	
F010710	3.35	
F010711	0.028	
F010712	0.078	
F010713	0.355	
F010714	0.022	
F010715	< 0.005	
F010716	0.006	
F010717	0.007	
F010718	0.045	
F010719	0.475	
F010720	0.005	
F010721	0.066	
F010722	0.020	
F010723	0.050	
F010724	0.087	
F010725	0.178	
F010726	0.028	
F010727	0.023	
F010728	0.008	
F010729	0.007	
F010730	6.31	
F010731	0.037	
F010732	0.028	
F010733	0.025	
F010734	0.174	
F010735	0.054	
F010736	0.048	
F010737	0.036	
F010738	0.013	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010739	0.016	
F010740	< 0.005	
F010741	0.022	
F010742	0.022	
F010743	0.024	
F010744	0.045	
F010745	0.440	
F010746	0.064	
F010747	0.049	
F010748	0.068	
F010749	0.010	
F010750	0.483	
F010751	0.012	
F010752	0.013	
F010753	0.008	
F010754	0.016	
F010755	0.018	
F010756	0.042	
F010757	0.007	
F010758	0.006	
F010759	0.007	
F010760	< 0.005	
F010761	0.010	
F010762	0.008	
F010763	0.044	
F010764	2.42	
F010765	0.171	
F010766	0.013	
F010767	0.045	
F010768	0.019	
F010769	0.011	
F010770	> 10.0	13.6
F010771	0.012	
F010772	0.015	
F010773	0.005	
F010774	0.008	
F010775	0.033	
F010776	0.010	
F010777	0.010	
F010778	0.009	
F010779	0.008	
F010780	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010781	0.016	
F010782	0.016	
F010783	0.026	
F010784	0.061	
F010785	0.018	
F010786	0.021	
F010787	0.020	
F010788	0.016	
F010789	0.011	
F010790	3.36	
F010791	0.013	
F010792	0.010	
F010793	0.010	
F010794	0.005	
F010795	0.010	
F010796	0.009	
F010797	0.013	
OREAS 224 (Fire Assay) Meas		2.25
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.12	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.16	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.23	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.17	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.347	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire	0.347	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.331	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.331	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.344	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.332	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.3
OREAS 257 Cert		14.18
F010663 Orig	0.075	
F010663 Dup	0.104	
F010673 Orig	0.040	
F010673 Dup	0.043	
F010683 Orig	0.033	
F010683 Dup	0.035	
F010698 Orig	0.010	
F010698 Dup	0.010	
F010703 Orig	0.024	
F010703 Split	0.021	
F010707 Orig	0.056	
F010707 Dup	0.056	
F010717 Orig	0.007	
F010717 Dup	0.006	
F010732 Orig	0.028	
F010732 Dup	0.026	
F010742 Orig	0.022	
F010742 Dup	0.022	
F010752 Orig	0.013	
F010752 Dup	0.018	
F010753 Orig	0.008	
F010753 Split	0.007	
F010766 Orig	0.013	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010766 Dup	0.009	
F010776 Orig	0.010	
F010776 Dup	0.011	
F010786 Orig	0.021	
F010786 Dup	0.020	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07539-ReAssay
Invoice Date:	20-Jun-19
Your Reference:	MW5142 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07539-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F010681	0.009
F010682	0.015
F010683	0.039
F010684	0.088
F010685	0.050
F010686	0.070
F010687	0.027
F010688	0.018
F010689	0.021
F010690	3.48
F010691	0.029
F010692	0.021
F010693	0.032
F010694	0.012
F010695	0.012
F010696	0.016
F010697	0.014
F010698	0.010
F010699	0.013
F010721	0.071
F010722	0.022
F010723	0.077
F010724	0.089
F010725	0.262
F010726	0.023
F010727	0.021
F010728	0.006
F010729	0.008
F010730	6.86
F010731	0.032
F010732	0.023
F010733	0.021
F010734	0.115
F010735	0.049
F010736	0.044
F010737	0.027
F010738	0.009
F010739	0.012
OREAS 222 (Fire Assay) Meas	1.21
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.19

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.331
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.342
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.326
OREAS 217 (Fire Assay) Cert	0.338
F010691 Orig	0.029
F010691 Dup	0.032
F010721 Orig	0.071
F010721 Dup	0.069
F010731 Orig	0.032
F010731 Dup	0.037
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07543
Invoice Date:	12-Jun-19
Your Reference:	MW5145 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07543**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010798	< 0.005	
F010799	< 0.005	
F010800	0.013	
F010801	0.005	
F010802	0.009	
F010803	0.014	
F010804	0.014	
F010805	0.008	
F010806	0.012	
F010807	0.009	
F010808	0.385	
F010809	0.015	
F010810	3.35	
F010811	0.020	
F010812	0.011	
F010813	0.013	
F010814	0.022	
F010815	0.023	
F010816	0.010	
F010817	0.005	
F010818	< 0.005	
F010819	0.040	
F010820	< 0.005	
F010821	0.005	
F010822	< 0.005	
F010823	0.005	
F010824	0.016	
F010825	0.017	
F010826	0.020	
F010827	< 0.005	
F010828	0.012	
F010829	0.049	
F010830	6.31	
F010831	0.104	
F010832	0.046	
F010833	0.017	
F010834	0.006	
F010835	0.010	
F010836	0.021	
F010837	0.010	
F010838	0.027	
F010839	0.069	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010840	< 0.005	
F010841	0.121	
F010842	0.172	
F010843	0.012	
F010844	0.011	
F010845	0.007	
F010846	0.012	
F010847	0.014	
F010848	0.010	
F010849	0.015	
F010850	0.460	
F010851	0.017	
F010852	0.009	
F010853	0.012	
F010854	0.017	
F010855	0.017	
F010856	0.013	
F010857	0.005	
F010858	< 0.005	
F010859	0.018	
F010860	< 0.005	
F010861	< 0.005	
F010862	< 0.005	
F010863	< 0.005	
F010864	< 0.005	
F010865	< 0.005	
F010866	< 0.005	
F010867	0.007	
F010868	0.005	
F010869	0.005	
F010870	> 10.0	14.4
F010871	0.008	
F010872	0.005	
F010873	< 0.005	
F010874	0.005	
F010875	0.005	
F010876	0.006	
F010877	0.006	
F010878	0.010	
F010879	0.013	
F010880	0.005	
F010881	0.012	
F010882	0.015	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010883	0.014	
F010884	< 0.005	
F010885	0.021	
F010886	0.007	
F010887	< 0.005	
F010888	< 0.005	
F010889	< 0.005	
F010890	3.34	
F010891	0.005	
F010892	0.822	
F010893	< 0.005	
F010894	0.023	
F010895	< 0.005	
F010896	< 0.005	
F010897	< 0.005	
F010898	0.014	
F010899	0.005	
F010900	< 0.005	
F010901	0.005	
F010902	0.005	
F010903	0.459	
F010904	1.46	
F010905	0.029	
F010906	0.008	
F010907	0.024	
F010908	0.018	
F010909	0.018	
F010910	3.34	
F010911	0.108	
F010912	0.019	
F010913	0.470	
F010914	6.53	
F010915	2.62	
F010916	7.81	
F010917	0.008	
F010918	< 0.005	
F010919	0.010	
F010920	< 0.005	
F010921	0.303	
F010922	0.009	
F010923	0.008	
F010924	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010925	0.011	
F010926	0.007	
F010927	2.99	
F010928	0.254	
F010929	0.005	
F010930	6.13	
F010931	0.124	
F010932	0.091	
F010933	0.029	
F010934	0.051	
F010935	0.010	
F010936	< 0.005	
F010937	0.147	
F010938	0.255	
F010939	0.503	
F010940	< 0.005	
F010941	0.364	
F010942	0.186	
OREAS 222 (Fire Assay) Meas	1.19	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.15	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.325	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.328	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.329	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.333	
OREAS 217 (Fire Assay) Cert	0.338	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 217 (Fire Assay) Meas	0.329	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
F010807 Orig	0.009	
F010807 Dup	0.008	
F010817 Orig	0.005	
F010817 Dup	< 0.005	
F010827 Orig	< 0.005	
F010827 Dup	< 0.005	
F010842 Orig	0.172	
F010842 Dup	0.201	
F010847 Orig	0.014	
F010847 Split	0.013	
F010851 Orig	0.017	
F010851 Dup	0.017	
F010861 Orig	< 0.005	
F010861 Dup	0.005	
F010876 Orig	0.006	
F010876 Dup	0.006	
F010886 Orig	0.007	
F010886 Dup	0.009	
F010896 Orig	< 0.005	
F010896 Dup	< 0.005	
F010897 Orig	< 0.005	
F010897 Split	0.007	
F010911 Orig	0.108	
F010911 Dup	0.107	
F010920 Dup	< 0.005	
F010931 Orig	0.124	
F010931 Dup	0.086	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07543-ReAssay
Invoice Date:	14-Jun-19
Your Reference:	MW5145 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07543-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010821	0.005	
F010822	0.005	
F010823	< 0.005	
F010824	0.010	
F010825	0.010	
F010826	0.021	
F010827	0.005	
F010828	0.013	
F010829	0.059	
F010830	3.34	
F010831	0.103	
F010832	0.034	
F010833	0.008	
F010834	0.005	
F010835	0.008	
F010836	0.019	
F010837	0.006	
F010838	0.025	
F010839	0.066	
F010921	0.384	
F010922	0.011	
F010923	0.011	
F010924	0.011	
F010925	0.013	
F010926	0.007	
F010927	3.37	
F010928	0.234	
F010929	0.006	
F010930	> 10.0	14.6
F010931	0.108	
F010932	0.087	
F010933	0.023	
F010934	0.056	
F010935	< 0.005	
F010936	0.005	
F010937	0.203	
F010938	0.337	
F010939	0.598	
OREAS 224 (Fire Assay) Meas		2.16
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire	1.22	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.24	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.329	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.330	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.3
OREAS 257 Cert		14.18
F010831 Orig	0.103	
F010831 Dup	0.083	
F010921 Orig	0.384	
F010931 Orig	0.108	
F010931 Dup	0.108	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07546
Invoice Date:	12-Jun-19
Your Reference:	MW5148 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07546**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010943	0.030	
F010944	0.137	
F010945	0.011	
F010946	0.009	
F010947	0.106	
F010948	0.070	
F010949	0.008	
F010950	0.472	
F010951	0.040	
F010952	0.021	
F010953	0.014	
F010954	0.007	
F010955	0.013	
F010956	0.011	
F010957	0.018	
F010958	0.018	
F010959	0.020	
F010960	0.008	
F010961	0.016	
F010962	0.023	
F010963	0.016	
F010964	0.011	
F010965	0.015	
F010966	0.012	
F010967	0.014	
F010968	0.014	
F010969	0.039	
F010970	> 10.0	14.3
F010971	< 0.005	
F010972	0.012	
F010973	0.008	
F010974	0.010	
F010975	0.117	
F010976	0.009	
F010977	0.006	
F010978	0.007	
F010979	0.013	
F010980	< 0.005	
F010981	0.040	
F010982	0.009	
F010983	0.009	
F010984	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F010985	0.007	
F010986	0.007	
F010987	0.010	
F010988	0.010	
F010989	0.005	
F010990	3.44	
F010991	< 0.005	
F010992	0.006	
F010993	0.006	
F010994	0.005	
F010995	0.009	
F010996	< 0.005	
F010997	< 0.005	
F010998	< 0.005	
F010999	< 0.005	
F011000	< 0.005	
F011001	0.006	
F011002	< 0.005	
F011003	0.007	
F011004	< 0.005	
F011005	0.005	
F011006	< 0.005	
F011007	0.008	
F011008	0.012	
F011009	< 0.005	
F011010	3.76	
F011011	< 0.005	
F011012	0.027	
F011013	0.007	
F011014	0.008	
F011015	0.007	
F011016	0.006	
F011017	0.007	
F011018	0.009	
F011019	0.008	
F011020	0.005	
F011021	0.008	
F011022	0.008	
F011023	0.010	
F011024	0.008	
F011025	0.009	
F011026	0.009	
F011027	0.011	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011028	0.013	
F011029	0.018	
F011030	7.00	
F011031	0.023	
F011032	0.018	
F011033	0.021	
F011034	0.023	
F011035	0.015	
F011036	0.013	
F011037	0.013	
F011038	0.023	
F011039	0.017	
F011040	< 0.005	
F011041	0.011	
F011042	0.015	
F011043	0.008	
F011044	0.005	
F011045	0.006	
F011046	0.005	
F011047	0.009	
F011048	0.005	
F011049	< 0.005	
F011050	0.499	
F011051	0.010	
F011052	0.005	
F011053	0.005	
F011054	< 0.005	
F011055	0.005	
F011056	< 0.005	
F011057	0.005	
F011058	< 0.005	
F011059	0.005	
F011060	< 0.005	
F011061	< 0.005	
F011062	0.006	
F011063	0.005	
F011064	0.007	
F011065	0.007	
F011066	< 0.005	
F011067	0.011	
F011068	0.005	
F011069	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011070	> 10.0	14.2
F011071	0.009	
F011072	0.005	
F011073	0.005	
F011074	0.009	
F011075	0.025	
F011076	0.010	
F011077	0.009	
F011078	0.005	
F011079	0.005	
F011080	< 0.005	
F011081	0.014	
F011082	0.013	
F011083	0.006	
F011084	0.006	
F011085	0.006	
F011086	0.008	
OREAS 224 (Fire Assay) Meas		2.13
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.24	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.16	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.17	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.15	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.17	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire	0.331	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.339	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.333	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.345	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.328	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.326	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
F010952 Orig	0.021	
F010952 Dup	0.022	
F010962 Orig	0.023	
F010962 Dup	0.025	
F010972 Orig	0.012	
F010972 Dup	0.012	
F010987 Orig	0.010	
F010987 Dup	0.011	
F010992 Orig	0.006	
F010992 Split	0.007	
F010996 Orig	< 0.005	
F010996 Dup	< 0.005	
F011006 Orig	< 0.005	
F011006 Dup	< 0.005	
F011021 Orig	0.008	
F011021 Dup	0.007	
F011031 Orig	0.023	
F011031 Dup	0.020	
F011041 Orig	0.011	
F011041 Dup	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011042 Orig	0.015	
F011042 Split	0.011	
F011055 Orig	0.005	
F011055 Dup	< 0.005	
F011065 Orig	0.007	
F011065 Dup	0.006	
F011075 Orig	0.025	
F011075 Dup	0.018	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Jun-19
Invoice No.: A19-07549
Invoice Date: 20-Jun-19
Your Reference: MW5149 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07549**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011087	0.055	
F011088	0.015	
F011089	0.010	
F011090	3.50	
F011091	0.010	
F011092	0.009	
F011093	0.011	
F011094	0.021	
F011095	0.029	
F011096	0.016	
F011097	0.010	
F011098	0.011	
F011099	0.012	
F011100	< 0.005	
F011101	0.005	
F011102	< 0.005	
F011103	0.006	
F011104	0.010	
F011105	0.009	
F011106	0.006	
F011107	0.010	
F011108	0.030	
F011109	< 0.005	
F011110	3.46	
F011111	0.025	
F011112	0.005	
F011113	0.006	
F011114	< 0.005	
F011115	0.010	
F011116	0.005	
F011117	< 0.005	
F011118	< 0.005	
F011119	< 0.005	
F011120	< 0.005	
F011121	0.008	
F011122	0.006	
F011123	0.007	
F011124	< 0.005	
F011125	< 0.005	
F011126	0.009	
F011127	0.008	
F011128	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011129	< 0.005	
F011130	6.93	
F011131	0.005	
F011132	< 0.005	
F011133	< 0.005	
F011134	< 0.005	
F011135	< 0.005	
F011136	< 0.005	
F011137	< 0.005	
F011138	< 0.005	
F011139	< 0.005	
F011140	< 0.005	
F011141	< 0.005	
F011142	< 0.005	
F011143	< 0.005	
F011144	0.007	
F011145	< 0.005	
F011146	< 0.005	
F011147	0.006	
F011148	< 0.005	
F011149	< 0.005	
F011150	0.447	
F011151	0.005	
F011152	< 0.005	
F011153	< 0.005	
F011154	< 0.005	
F011155	< 0.005	
F011156	0.005	
F011157	< 0.005	
F011158	0.005	
F011159	< 0.005	
F011160	0.005	
F011161	< 0.005	
F011162	< 0.005	
F011163	0.005	
F011164	0.011	
F011165	0.005	
F011166	< 0.005	
F011167	0.005	
F011168	0.005	
F011169	0.005	
F011170	> 10.0	14.0
F011171	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011172	0.005	
F011173	0.005	
F011174	< 0.005	
F011175	< 0.005	
F011176	0.005	
F011177	0.005	
F011178	0.005	
F011179	< 0.005	
F011180	0.005	
F011181	0.011	
F011182	< 0.005	
F011183	< 0.005	
F011184	0.009	
F011185	< 0.005	
F011186	< 0.005	
F011187	< 0.005	
F011188	0.008	
F011189	< 0.005	
F011190	3.47	
F011191	< 0.005	
F011192	< 0.005	
F011193	0.009	
F011194	< 0.005	
F011195	0.007	
F011196	0.009	
F011197	0.013	
F011198	0.005	
F011199	0.009	
F011200	< 0.005	
F011201	0.012	
F011202	0.019	
F011203	0.013	
F011204	0.016	
F011205	0.008	
F011206	< 0.005	
F011207	< 0.005	
F011208	0.008	
F011209	0.007	
F011210	3.42	
F011211	0.012	
F011212	0.005	
F011213	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011214	0.005	
F011215	0.005	
F011216	< 0.005	
F011217	< 0.005	
F011218	< 0.005	
F011219	< 0.005	
F011220	< 0.005	
F011221	< 0.005	
F011222	< 0.005	
F011223	< 0.005	
F011224	< 0.005	
F011225	< 0.005	
F011226	< 0.005	
F011227	< 0.005	
F011228	0.039	
F011229	< 0.005	
F011230	6.83	
OREAS 224 (Fire Assay) Meas		2.13
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.24	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.27	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire	0.331	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.327	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.328	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.333	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.332	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
F011096 Orig	0.016	
F011096 Dup	0.018	
F011106 Orig	0.006	
F011106 Dup	0.006	
F011116 Orig	0.005	
F011116 Dup	0.005	
F011131 Orig	0.005	
F011131 Dup	< 0.005	
F011136 Orig	< 0.005	
F011136 Split	< 0.005	
F011140 Orig	< 0.005	
F011140 Dup	< 0.005	
F011165 Orig	0.005	
F011165 Dup	< 0.005	
F011175 Orig	< 0.005	
F011175 Dup	0.005	
F011185 Orig	< 0.005	
F011185 Dup	< 0.005	
F011186 Orig	< 0.005	
F011186 Split	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011199 Orig	0.009	
F011199 Dup	0.011	
F011209 Orig	0.007	
F011209 Dup	0.009	
F011219 Orig	< 0.005	
F011219 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank	< 0.005	

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07550
Invoice Date:	13-Jun-19
Your Reference:	MW5152 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07550**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011231	0.008	
F011232	0.007	
F011233	0.013	
F011234	0.011	
F011235	0.011	
F011236	0.012	
F011237	0.006	
F011238	0.023	
F011239	0.008	
F011240	0.006	
F011241	0.009	
F011242	0.017	
F011243	0.015	
F011244	0.012	
F011245	< 0.005	
F011246	0.010	
F011247	0.005	
F011248	0.005	
F011249	0.013	
F011250	0.485	
F011251	0.008	
F011252	< 0.005	
F011253	0.007	
F011254	0.006	
F011255	0.011	
F011256	0.006	
F011257	0.087	
F011258	< 0.005	
F011259	< 0.005	
F011260	< 0.005	
F011261	< 0.005	
F011262	0.005	
F011263	< 0.005	
F011264	< 0.005	
F011265	< 0.005	
F011266	0.005	
F011267	0.006	
F011268	0.007	
F011269	0.015	
F011270	> 10.0	14.0
F011271	0.005	
F011272	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011273	0.005	
F011274	0.005	
F011275	< 0.005	
F011276	< 0.005	
F011277	< 0.005	
F011278	< 0.005	
F011279	0.005	
F011280	< 0.005	
F011281	< 0.005	
F011282	< 0.005	
F011283	0.009	
F011284	0.033	
F011285	< 0.005	
F011286	< 0.005	
F011287	< 0.005	
F011288	0.006	
F011289	0.006	
F011290	3.72	
F011291	0.006	
F011292	< 0.005	
F011293	< 0.005	
F011294	0.006	
F011295	0.009	
F011296	0.008	
F011297	0.015	
F011298	0.033	
F011299	0.011	
F011300	0.005	
F011301	0.028	
F011302	0.028	
F011303	0.035	
F011304	0.026	
F011305	0.030	
F011306	0.031	
F011307	0.025	
F011308	0.021	
F011309	0.039	
F011310	3.44	
F011311	0.036	
F011312	0.025	
F011313	0.025	
F011314	0.027	
F011315	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011316	0.013	
F011317	0.015	
F011318	0.019	
F011319	0.017	
F011320	0.007	
F011321	0.018	
F011322	0.018	
F011323	0.024	
F011324	0.024	
F011325	0.012	
F011326	0.021	
F011327	0.028	
F011328	0.025	
F011329	0.029	
F011330	6.63	
F011331	0.023	
F011332	0.065	
F011333	0.016	
F011334	0.240	
F011335	0.125	
F011336	0.171	
F011337	0.110	
F011338	0.098	
F011339	0.103	
F011340	0.008	
F011341	0.046	
F011342	0.010	
F011343	0.012	
F011344	0.014	
F011345	0.009	
F011346	0.009	
F011347	0.009	
F011348	0.010	
F011349	0.011	
F011350	0.477	
F011351	0.013	
F011352	0.015	
F011353	0.010	
F011354	0.010	
F011355	0.010	
F011356	0.013	
F011357	0.026	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011358	0.019	
F011359	0.016	
F011360	0.007	
F011361	0.022	
F011362	0.016	
F011363	0.012	
F011364	0.028	
F011365	0.012	
F011366	0.015	
F011367	0.022	
F011368	0.022	
F011369	0.028	
F011370	> 10.0	14.2
F011371	0.030	
F011372	0.029	
F011373	0.023	
F011374	0.027	
OREAS 224 (Fire Assay) Meas		2.15
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.19	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.23	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire	0.327	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.335	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.345	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.335	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.1
OREAS 257 Cert		14.18
F011240 Orig	0.006	
F011240 Dup	0.005	
F011251 Orig	0.008	
F011251 Dup	0.007	
F011260 Orig	< 0.005	
F011260 Dup	< 0.005	
F011275 Orig	< 0.005	
F011275 Dup	< 0.005	
F011281 Orig	< 0.005	
F011281 Split	< 0.005	
F011284 Orig	0.033	
F011284 Dup	0.026	
F011294 Orig	0.006	
F011294 Dup	0.006	
F011309 Orig	0.039	
F011309 Dup	0.037	
F011319 Orig	0.017	
F011319 Dup	0.013	
F011329 Orig	0.029	
F011329 Dup	0.032	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011331 Orig	0.023	
F011331 Split	0.039	
F011343 Orig	0.012	
F011343 Dup	0.015	
F011363 Orig	0.012	
F011363 Dup	0.013	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07552
Invoice Date:	12-Jun-19
Your Reference:	MW5156 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

36 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07552**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F011375	0.023
F011376	0.016
F011377	0.022
F011378	0.006
F011379	0.018
F011380	< 0.005
F011381	0.028
F011382	0.035
F011383	0.105
F011384	0.026
F011385	0.025
F011386	0.039
F011387	0.025
F011388	0.015
F011389	0.018
F011390	3.24
F011391	0.020
F011392	0.020
F011393	0.021
F011394	0.025
F011395	0.015
F011396	0.022
F011397	0.024
F011398	0.040
F011399	0.006
F011400	< 0.005
F011401	0.015
F011402	0.022
F011403	0.023
F011404	0.026
F011405	0.007
F011406	0.057
F011407	0.068
F011408	0.010
F011409	0.022
F011410	2.94
OREAS 222 (Fire Assay) Meas	1.16
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.346
OREAS 217 (Fire Assay) Cert	0.338

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OREAS 217 (Fire Assay) Meas	0.339
OREAS 217 (Fire Assay) Cert	0.338
F011384 Orig	0.026
F011384 Dup	0.029
F011394 Orig	0.025
F011394 Dup	0.021
F011404 Orig	0.026
F011404 Dup	0.029
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Jun-19
Invoice No.:	A19-07552-ReAssay
Invoice Date:	14-Jun-19
Your Reference:	MW5156 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

36 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-07552-ReAssay**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F011381	0.028
F011382	0.035
F011383	0.176
F011384	0.029
F011385	0.026
F011386	0.040
F011387	0.026
F011388	0.016
F011389	0.015
F011390	3.37
F011391	0.021
F011392	0.017
F011393	0.021
F011394	0.020
F011395	0.012
F011396	0.022
F011397	0.028
F011398	0.045
F011399	< 0.005
F011401	0.012
F011402	0.021
F011403	0.023
F011404	0.021
F011405	0.007
F011406	0.055
F011407	0.041
F011408	0.009
F011409	0.021
F011410	3.37
OREAS 222 (Fire Assay) Meas	1.22
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.24
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.329
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.330
OREAS 217 (Fire Assay) Cert	0.338

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OREAS 217 (Fire Assay) Meas	0.340
OREAS 217 (Fire Assay) Cert	0.338
F011387 Orig	0.026
F011387 Dup	0.026
F011397 Orig	0.028
F011397 Dup	0.023
F011408 Orig	0.009
F011408 Dup	0.009
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted:	27-Jun-19
Invoice No.:	A19-08462
Invoice Date:	03-Jul-19
Your Reference:	MW5157

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A19-08462**

This report may be reproduced without our consent. If only selected portions of the report are reproduced, permission must be obtained. If no instructions were given at time of sample submittal regarding excess material, it will be discarded within 90 days of this report. Our liability is limited solely to the analytical cost of these analyses. Test results are representative only of material submitted for analysis.

Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F011973	0.028	
F011974	< 0.005	
F011975	< 0.005	
F011976	< 0.005	
F011977	< 0.005	
F011978	< 0.005	
F011979	< 0.005	
F011980	< 0.005	
F011981	0.009	
F011982	0.008	
F011983	< 0.005	
F011984	0.006	
F011985	< 0.005	
F011986	< 0.005	
F011987	< 0.005	
F011988	< 0.005	
F011989	< 0.005	
F011990	3.48	
F011991	< 0.005	
F011992	< 0.005	
F011993	< 0.005	
F011994	< 0.005	
F011995	< 0.005	
F011996	< 0.005	
F011997	0.010	
F011998	< 0.005	
F011999	< 0.005	
F012000	< 0.005	
F012731	< 0.005	
F012732	0.058	
F012733	0.027	
F012734	0.006	
F012735	0.499	
F012736	0.006	
F012737	0.082	
F012738	0.149	
F012739	0.029	
F012740	< 0.005	
F012741	0.259	
F012742	0.009	
F012743	0.005	
F012744	0.288	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012745	< 0.005	
F012746	0.040	
F012747	< 0.005	
F012748	0.217	
F012749	0.083	
F012750	0.446	
F012751	0.273	
F012752	0.124	
F012753	0.444	
F012754	0.138	
F012755	0.384	
F012756	0.009	
F012757	0.017	
F012758	0.014	
F012759	< 0.005	
F012760	< 0.005	
F012761	0.040	
F012762	0.162	
F012763	0.048	
F012764	< 0.005	
F012765	< 0.005	
F012766	< 0.005	
F012767	< 0.005	
F012768	0.013	
F012769	0.008	
F012770	> 10.0	14.2
F012771	0.036	
F012772	2.07	
F012773	0.170	
F012774	0.043	
F012775	1.22	
F012776	> 10.0	10.6
F012777	0.071	
F012778	0.013	
F012779	0.381	
F012780	< 0.005	
F012781	< 0.005	
F012782	< 0.005	
F012783	< 0.005	
F012784	< 0.005	
F012785	< 0.005	
F012786	0.911	
F012787	0.008	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012788	0.016	
F012789	0.026	
F012790	3.45	
F012791	0.028	
F012792	0.111	
F012793	0.007	
F012794	0.031	
F012795	0.147	
F012796	< 0.005	
F012797	< 0.005	
F012798	0.344	
F012799	0.007	
F012800	< 0.005	
F012801	0.017	
F012802	0.071	
F012803	0.042	
F012804	0.028	
F012805	0.106	
F012806	0.020	
F012807	0.015	
F012808	0.006	
F012809	< 0.005	
F012810	3.41	
F012811	< 0.005	
F012812	< 0.005	
F012813	< 0.005	
F012814	< 0.005	
F012815	< 0.005	
F012816	< 0.005	
F012817	< 0.005	
F012818	< 0.005	
F012819	< 0.005	
F012820	< 0.005	
F012821	< 0.005	
F012822	< 0.005	
F012823	< 0.005	
F012824	< 0.005	
F012825	< 0.005	
F012826	< 0.005	
F012827	< 0.005	
F012828	< 0.005	
F012829	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012830	6.86	
F012831	0.020	
F012832	< 0.005	
F012833	< 0.005	
F012834	< 0.005	
F012835	< 0.005	
F012836	< 0.005	
F012837	< 0.005	
F012838	< 0.005	
F012839	< 0.005	
F012840	< 0.005	
F012841	< 0.005	
F012842	< 0.005	
F012843	< 0.005	
F012844	< 0.005	
F012845	< 0.005	
F012846	< 0.005	
OREAS 216 (Fire Assay) Meas		6.73
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.45	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.48	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.43	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.504	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.518	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.526	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.525	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.533	
OREAS 218 Cert	0.531	
OREAS 255 (Fire Assay) Meas		4.15
OREAS 255 (Fire Assay) Cert		4.08
F011988 Orig	< 0.005	
F011988 Dup	< 0.005	
F011995 Orig	< 0.005	
F011995 Dup	< 0.005	
F012736 Orig	0.006	
F012736 Dup	0.010	
F012752 Orig	0.124	
F012752 Split	0.124	
F012752 Split	0.124	
F012758 Orig	0.014	
F012758 Dup	0.010	
F012769 Orig	0.008	
F012769 Dup	0.006	
F012774 Orig	0.043	
F012774 Dup	0.039	
F012776 Orig		10.6
F012776 Dup		10.7
F012786 Orig	0.911	
F012786 Dup	1.07	
F012802 Orig	0.067	
F012802 Split	0.047	
F012802 Orig	0.071	
F012802 Dup	0.062	
F012821 Orig	< 0.005	
F012821 Dup	< 0.005	
F012828 Orig	< 0.005	
F012828 Dup	< 0.005	
F012839 Orig	< 0.005	
F012839 Dup	< 0.005	
F012841 Orig	< 0.005	
F012841 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	27-Jun-19
Invoice No.:	A19-08463
Invoice Date:	03-Jul-19
Your Reference:	MW5161

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A19-08463**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012847	< 0.005	
F012848	< 0.005	
F012849	< 0.005	
F012850	0.486	
F012851	0.012	
F012852	0.006	
F012853	0.007	
F012854	0.008	
F012855	< 0.005	
F012856	< 0.005	
F012857	0.007	
F012858	0.007	
F012859	< 0.005	
F012860	< 0.005	
F012861	< 0.005	
F012862	< 0.005	
F012863	< 0.005	
F012864	< 0.005	
F012865	< 0.005	
F012866	0.005	
F012867	0.009	
F012868	0.006	
F012869	0.006	
F012870	> 10.0	14.6
F012871	0.006	
F012872	0.009	
F012873	< 0.005	
F012874	0.007	
F012875	0.005	
F012876	0.005	
F012877	0.005	
F012878	< 0.005	
F012879	< 0.005	
F012880	< 0.005	
F012881	0.011	
F012882	0.007	
F012883	< 0.005	
F012884	< 0.005	
F012885	0.009	
F012886	< 0.005	
F012887	0.011	
F012888	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F012889	0.006	
F012890	3.49	
F012891	< 0.005	
F012892	< 0.005	
F012893	0.006	
F012894	< 0.005	
F012895	< 0.005	
F012896	0.008	
F012897	< 0.005	
F012898	< 0.005	
F012899	< 0.005	
F012900	< 0.005	
F012901	< 0.005	
F012902	< 0.005	
F012903	< 0.005	
F012904	< 0.005	
F012905	< 0.005	
F012906	0.005	
F012907	< 0.005	
F012908	< 0.005	
F012909	< 0.005	
F012910	3.39	
F012911	< 0.005	
F012912	0.005	
F012913	< 0.005	
F012914	< 0.005	
F012915	< 0.005	
F020001	0.005	
F020002	0.080	
F020003	0.005	
F020004	0.005	
F020005	< 0.005	
F020006	< 0.005	
F020007	< 0.005	
F020008	< 0.005	
F020009	< 0.005	
F020010	3.43	
F020011	0.006	
F020012	0.005	
F020013	0.005	
F020014	< 0.005	
F020015	< 0.005	
F020016	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F020017	< 0.005	
F020018	< 0.005	
F020019	< 0.005	
F020020	< 0.005	
F020021	< 0.005	
F020022	< 0.005	
F020023	0.005	
F020024	< 0.005	
F020025	< 0.005	
F020026	< 0.005	
F020027	< 0.005	
F020028	< 0.005	
F020029	< 0.005	
F020030	7.13	
F020031	0.005	
F020032	< 0.005	
F020033	< 0.005	
F020034	< 0.005	
F020035	0.005	
F020036	< 0.005	
F020037	< 0.005	
F020038	< 0.005	
F020039	< 0.005	
F020040	< 0.005	
F020041	< 0.005	
F020042	< 0.005	
F020043	< 0.005	
F020044	0.049	
F020045	0.008	
F020046	0.005	
F020047	< 0.005	
F020048	< 0.005	
F020049	< 0.005	
F020050	0.442	
F020051	< 0.005	
F020052	< 0.005	
F020053	< 0.005	
F020054	< 0.005	
F020055	< 0.005	
F020056	< 0.005	
F020057	< 0.005	
F020058	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F020059	< 0.005	
F020060	< 0.005	
F020061	0.006	
F020062	0.006	
F020063	< 0.005	
F020064	0.010	
F020065	< 0.005	
F020066	0.011	
F020067	< 0.005	
F020068	< 0.005	
F020069	< 0.005	
F020070	> 10.0	14.2
F020071	0.005	
F020072	< 0.005	
F020073	< 0.005	
F020074	< 0.005	
F020075	< 0.005	
F020076	< 0.005	
OREAS 216 (Fire Assay) Meas		6.73
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.48	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.58	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.49	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.531	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.517	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.502	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.528	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.506	
OREAS 218 Cert	0.531	
OREAS 255 (Fire Assay) Meas		4.15
OREAS 255 (Fire Assay) Cert		4.08
F012862 Orig	< 0.005	
F012862 Dup	< 0.005	
F012869 Orig	0.006	
F012869 Dup	0.006	
F012880 Orig	< 0.005	
F012880 Dup	< 0.005	
F012896 Orig	0.008	
F012896 Split	0.006	
F012896 Split	0.006	
F012903 Orig	< 0.005	
F012903 Dup	< 0.005	
F012914 Orig	< 0.005	
F012914 Dup	< 0.005	
F020016 Orig	< 0.005	
F020016 Dup	< 0.005	
F020022 Orig	< 0.005	
F020022 Dup	< 0.005	
F020031 Orig	0.005	
F020031 Split	< 0.005	
F020033 Orig	< 0.005	
F020033 Dup	< 0.005	
F020051 Orig	< 0.005	
F020051 Dup	< 0.005	
F020057 Orig	< 0.005	
F020057 Dup	< 0.005	
F020068 Orig	< 0.005	
F020068 Dup	< 0.005	
F020071 Orig	0.005	
F020071 Dup	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Jul-19
Invoice No.: A19-08702
Invoice Date: 08-Jul-19
Your Reference: MW5165

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-08702**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018001	< 0.005	
F018002	< 0.005	
F018003	< 0.005	
F018004	0.005	
F018005	0.005	
F018006	0.005	
F018007	< 0.005	
F018008	0.005	
F018009	0.005	
F018010	3.46	
F018011	0.006	
F018012	0.005	
F018013	0.005	
F018014	< 0.005	
F018015	< 0.005	
F018016	0.005	
F018017	< 0.005	
F018018	0.005	
F018019	< 0.005	
F018020	< 0.005	
F018021	0.005	
F018022	< 0.005	
F018023	< 0.005	
F018024	0.005	
F018025	0.005	
F018026	< 0.005	
F018027	< 0.005	
F018028	< 0.005	
F018029	< 0.005	
F018030	6.91	
F018031	< 0.005	
F018032	< 0.005	
F018033	< 0.005	
F018034	< 0.005	
F018035	0.005	
F018036	< 0.005	
F018037	< 0.005	
F018038	< 0.005	
F018039	< 0.005	
F018040	< 0.005	
F018041	0.005	
F018042	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018043	0.005	
F018044	< 0.005	
F018045	< 0.005	
F018046	0.005	
F018047	0.231	
F018048	0.006	
F018049	< 0.005	
F018050	0.442	
F018051	0.019	
F018052	0.067	
F018053	0.107	
F018054	0.052	
F018055	0.837	
F018056	0.053	
F018057	0.069	
F018058	0.022	
F018059	0.014	
F018060	< 0.005	
F018061	< 0.005	
F018062	0.005	
F018063	< 0.005	
F018064	< 0.005	
F018065	< 0.005	
F018066	< 0.005	
F018067	< 0.005	
F018068	< 0.005	
F018069	< 0.005	
F018070	> 10.0	13.6
F018071	0.005	
F018072	0.005	
F018073	< 0.005	
F018074	< 0.005	
F018075	< 0.005	
F018076	< 0.005	
F018077	< 0.005	
F018115	< 0.005	
F018116	< 0.005	
F018117	0.006	
F018118	< 0.005	
F018119	0.007	
F018120	< 0.005	
F018121	< 0.005	
F018122	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018123	< 0.005	
F018124	0.006	
F018125	0.006	
F018126	0.009	
F018127	< 0.005	
F018128	< 0.005	
F018129	< 0.005	
F018130	7.25	
F018131	0.006	
F018132	< 0.005	
F018133	0.006	
F018134	0.005	
F018135	< 0.005	
F018136	< 0.005	
F018137	< 0.005	
F018138	0.010	
F018139	0.041	
F018140	< 0.005	
F018141	< 0.005	
F018142	0.009	
F018143	< 0.005	
F018144	< 0.005	
F018145	< 0.005	
F018146	< 0.005	
F018147	< 0.005	
F018148	< 0.005	
F018149	< 0.005	
F018150	0.471	
F018151	< 0.005	
F018152	< 0.005	
F018153	0.006	
F018154	0.007	
F018155	< 0.005	
F018156	< 0.005	
F018157	< 0.005	
F018158	< 0.005	
F018159	< 0.005	
F018160	< 0.005	
F018161	< 0.005	
F018162	0.005	
F018163	0.005	
F018164	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018165	< 0.005	
F018166	< 0.005	
F018167	< 0.005	
F018168	< 0.005	
F018169	0.010	
F018170	> 10.0	13.5
F018171	0.007	
F018199	< 0.005	
F018200	< 0.005	
F018201	0.005	
F018202	< 0.005	
F018203	< 0.005	
F018204	< 0.005	
F018205	0.005	
F018206	< 0.005	
F018207	< 0.005	
F018208	< 0.005	
OREAS 216 (Fire Assay) Meas		6.86
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.44	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.53	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.57	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.58	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.533	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.519	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.526	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.510	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.549	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.556	
OREAS 218 Cert	0.531	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.12
OREAS 255 (Fire Assay) Cert		4.08
F018016 Orig	0.005	
F018016 Dup	< 0.005	
F018022 Orig	< 0.005	
F018022 Dup	< 0.005	
F018034 Orig	< 0.005	
F018034 Dup	< 0.005	
F018051 Orig	0.019	
F018051 Split	0.018	
F018051 Orig	0.019	
F018051 Dup	0.018	
F018064 Orig	< 0.005	
F018064 Dup	< 0.005	
F018068 Orig	< 0.005	
F018068 Dup	< 0.005	
F018117 Orig	0.006	
F018117 Dup	0.005	
F018126 Orig	0.009	
F018126 Dup	0.006	
F018135 Orig	< 0.005	
F018135 Dup	< 0.005	
F018137 Orig	< 0.005	
F018137 Split	< 0.005	
F018145 Orig	< 0.005	
F018145 Dup	< 0.005	
F018159 Orig	< 0.005	
F018159 Dup	< 0.005	
F018168 Orig	< 0.005	
F018168 Dup	< 0.005	
F018207 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018207 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Jul-19
Invoice No.: A19-08703
Invoice Date: 08-Jul-19
Your Reference: MW5168

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-08703**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018209	< 0.005	
F018210	3.45	
F018211	0.007	
F018212	0.006	
F018230	7.07	
F018231	0.006	
F018232	< 0.005	
F018233	< 0.005	
F018234	0.005	
F018235	0.005	
F018236	< 0.005	
F018237	< 0.005	
F018238	< 0.005	
F018239	< 0.005	
F018240	< 0.005	
F018241	0.034	
F018242	0.019	
F018243	0.028	
F018244	< 0.005	
F018245	< 0.005	
F018246	< 0.005	
F018247	< 0.005	
F018248	< 0.005	
F018249	< 0.005	
F018250	0.458	
F018251	0.007	
F018252	< 0.005	
F018253	< 0.005	
F018254	0.012	
F018255	< 0.005	
F018256	0.015	
F018257	0.009	
F018258	0.006	
F018259	< 0.005	
F018260	< 0.005	
F018261	< 0.005	
F018262	< 0.005	
F018263	< 0.005	
F018312	< 0.005	
F018313	< 0.005	
F018314	< 0.005	
F018315	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018316	< 0.005	
F018317	0.010	
F018318	0.006	
F018319	< 0.005	
F018320	< 0.005	
F018321	< 0.005	
F018322	< 0.005	
F018323	< 0.005	
F018324	< 0.005	
F018325	0.005	
F018326	< 0.005	
F018327	< 0.005	
F018328	< 0.005	
F018329	< 0.005	
F018330	6.95	
F018331	< 0.005	
F018332	< 0.005	
F018333	< 0.005	
F018334	< 0.005	
F018335	< 0.005	
F018336	< 0.005	
F018337	< 0.005	
F018338	< 0.005	
F018339	0.007	
F018340	< 0.005	
F018341	< 0.005	
F018342	< 0.005	
F018343	< 0.005	
F018344	< 0.005	
F018345	< 0.005	
F018346	< 0.005	
F018347	< 0.005	
F018348	< 0.005	
F018349	< 0.005	
F018350	0.485	
F018351	0.006	
F018352	< 0.005	
F018353	< 0.005	
F018354	< 0.005	
F018355	< 0.005	
F018356	< 0.005	
F018357	< 0.005	
F018358	0.043	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018359	0.011	
F018360	< 0.005	
F018361	< 0.005	
F018362	< 0.005	
F018363	< 0.005	
F018364	< 0.005	
F018365	< 0.005	
F018366	< 0.005	
F018367	< 0.005	
F018368	0.005	
F018369	< 0.005	
F018370	> 10.0	13.7
F018371	0.005	
F018372	< 0.005	
F018373	< 0.005	
F018374	< 0.005	
F018375	< 0.005	
F018376	< 0.005	
F018377	< 0.005	
F018378	< 0.005	
F018379	< 0.005	
F018380	< 0.005	
F018381	< 0.005	
F018390	3.41	
F018391	< 0.005	
F018392	< 0.005	
F018393	< 0.005	
F018394	< 0.005	
F018395	< 0.005	
F018396	< 0.005	
F018397	0.006	
F018398	0.111	
F018399	< 0.005	
F018400	< 0.005	
F018401	0.012	
F018402	0.022	
F018403	< 0.005	
F018404	< 0.005	
F018405	< 0.005	
F018406	< 0.005	
F019001	0.464	
F019002	0.026	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019003	0.043	
F019004	0.023	
F019005	0.031	
F019006	0.195	
F019007	0.082	
F019008	0.036	
F019009	0.027	
F019010	3.59	
F019011	0.018	
F019012	0.046	
F019013	0.012	
F019014	0.011	
F019015	< 0.005	
F019016	0.012	
F019017	0.032	
F019018	0.022	
F019019	0.022	
F019020	< 0.005	
OREAS 216 (Fire Assay) Meas		6.86
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.49	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.41	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.41	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.533	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.505	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.532	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.538	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.531	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.549	
OREAS 218 Cert	0.531	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.12
OREAS 255 (Fire Assay) Cert		4.08
F018241 Orig	0.034	
F018241 Dup	0.027	
F018247 Orig	< 0.005	
F018247 Dup	< 0.005	
F018259 Orig	< 0.005	
F018259 Dup	< 0.005	
F018323 Orig	< 0.005	
F018323 Split	< 0.005	
F018323 Split	< 0.005	
F018329 Orig	< 0.005	
F018329 Dup	< 0.005	
F018341 Orig	< 0.005	
F018341 Dup	< 0.005	
F018358 Orig	0.043	
F018358 Dup	0.046	
F018365 Orig	< 0.005	
F018365 Dup	< 0.005	
F018373 Orig	< 0.005	
F018373 Split	< 0.005	
F018375 Orig	< 0.005	
F018375 Dup	< 0.005	
F018395 Orig	< 0.005	
F018395 Dup	< 0.005	
F018404 Orig	< 0.005	
F018404 Dup	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019005 Orig	0.031	
F019005 Dup	0.022	
F019018 Orig	0.022	
F019018 Dup	0.021	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 04-Jul-19
Invoice No.: A19-08704
Invoice Date: 09-Jul-19
Your Reference: MW5170

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

REPORT **A19-08704**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019021	0.033	
F019022	0.014	
F019023	0.016	
F019024	0.012	
F019025	0.011	
F019026	0.010	
F019027	< 0.005	
F019028	0.008	
F019029	0.011	
F019030	7.24	
F019031	0.032	
F019032	0.038	
F019033	0.077	
F019034	0.014	
F019035	0.013	
F019036	0.013	
F019037	0.125	
F019038	0.189	
F019039	0.029	
F019040	< 0.005	
F019041	0.017	
F019042	0.013	
F019043	0.019	
F019044	0.005	
F019045	0.043	
F019046	0.030	
F019047	0.009	
F019048	0.011	
F019049	0.007	
F019050	0.421	
F019051	0.007	
F019052	0.023	
F019053	< 0.005	
F019054	0.014	
F019055	0.010	
F019056	0.009	
F019057	0.014	
F019058	0.384	
F019059	0.013	
F019060	< 0.005	
F019061	0.015	
F019062	0.026	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019063	0.018	
F019064	0.007	
F019065	0.032	
F019066	0.069	
F019067	0.045	
F019068	0.888	
F019069	0.107	
F019070	> 10.0	14.4
F019071	0.133	
F019072	0.049	
F019073	0.261	
F019074	0.132	
F019075	< 0.005	
F019076	0.005	
F019077	0.010	
F019078	0.016	
F019079	0.006	
F019080	< 0.005	
F019081	0.012	
F019082	0.008	
F019083	0.065	
F019084	0.113	
F019085	0.193	
F019086	0.148	
F019087	0.006	
F019088	0.019	
F019089	0.008	
F019090	3.46	
F019091	0.021	
F019092	0.096	
F019093	0.013	
F019094	0.021	
F019095	0.022	
F019096	0.028	
F019097	0.006	
F019098	0.051	
F019099	0.008	
F019100	< 0.005	
F019101	0.007	
F019102	0.029	
F019103	0.012	
F019104	0.005	
F019105	0.013	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019106	0.015	
F019107	0.006	
F019108	0.014	
F019109	0.071	
F019110	3.63	
F019111	0.038	
F019112	0.051	
F019113	0.005	
F019114	0.059	
F019115	0.013	
F019116	0.011	
F019117	0.005	
F019118	< 0.005	
F019119	0.006	
F019120	< 0.005	
F019121	< 0.005	
F019122	< 0.005	
F019123	0.045	
F019124	0.050	
F019125	< 0.005	
F019126	0.005	
F019127	< 0.005	
F019128	< 0.005	
F019129	0.011	
F019130	6.96	
F019131	0.006	
F019132	< 0.005	
F019133	< 0.005	
F019134	0.198	
F019135	0.193	
F019136	0.007	
F019137	0.035	
F019138	0.108	
F019139	0.032	
F019140	< 0.005	
F019141	0.046	
F019142	0.160	
F019143	0.028	
F019144	0.864	
F019145	0.030	
F019146	0.024	
F019147	0.113	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019148	< 0.005	
F019149	< 0.005	
F019150	0.420	
F019151	< 0.005	
F019152	0.012	
F019153	0.032	
F019154	0.007	
F019155	0.007	
F019156	0.009	
F019157	0.007	
F019158	0.006	
F019159	0.017	
F019160	< 0.005	
F019161	0.028	
F019162	0.012	
F019163	0.007	
F019164	0.006	
OREAS 216 (Fire Assay) Meas		6.77
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.60	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.48	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.548	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.524	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.528	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.546	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.542	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.05
OREAS 255 (Fire Assay) Cert		4.08
F019036 Orig	0.013	
F019036 Dup	0.015	
F019042 Orig	0.013	
F019042 Dup	0.013	
F019054 Orig	0.014	
F019054 Dup	0.015	
F019071 Orig	0.133	
F019071 Split	0.086	
F019072 Orig	0.049	
F019072 Dup	0.057	
F019077 Orig	0.010	
F019077 Dup	0.009	
F019088 Orig	0.019	
F019088 Dup	0.026	
F019105 Orig	0.013	
F019105 Dup	0.013	
F019112 Orig	0.051	
F019112 Dup	0.039	
F019121 Orig	< 0.005	
F019121 Split	< 0.005	
F019122 Orig	< 0.005	
F019122 Dup	< 0.005	
F019139 Orig	0.032	
F019139 Dup	0.014	
F019146 Orig	0.024	
F019146 Dup	0.008	
F019157 Orig	0.007	
F019157 Dup	0.006	
F019163 Orig	0.007	
F019163 Dup	0.006	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	09-Jul-19
Invoice No.:	A19-08879
Invoice Date:	11-Jul-19
Your Reference:	MW5173 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

88 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-08879**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019165	0.011	
F019166	0.010	
F019167	0.015	
F019168	0.038	
F019169	0.016	
F019170	> 10.0	14.2
F019171	0.039	
F019172	0.026	
F019173	0.016	
F019174	0.026	
F019175	0.048	
F019176	0.214	
F019177	0.045	
F019178	0.024	
F019179	0.017	
F019180	< 0.005	
F019181	0.007	
F019182	0.008	
F019183	0.009	
F019184	0.006	
F019185	< 0.005	
F019186	< 0.005	
F019187	< 0.005	
F019188	< 0.005	
F019189	< 0.005	
F019190	3.60	
F019191	0.021	
F019192	< 0.005	
F019193	< 0.005	
F019194	< 0.005	
F019195	0.020	
F019196	< 0.005	
F019197	0.010	
F019198	0.028	
F019199	0.007	
F019200	< 0.005	
F019201	0.007	
F019202	0.009	
F019203	0.006	
F019204	0.033	
F019205	0.024	
F019206	0.030	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019207	< 0.005	
F019208	0.026	
F019209	0.010	
F019210	3.36	
F019211	0.008	
F019212	0.012	
F019213	0.028	
F019214	0.165	
F019215	0.048	
F019216	0.034	
F019217	0.093	
F019218	< 0.005	
F019219	0.012	
F019220	< 0.005	
F019221	0.065	
F019222	0.025	
F019223	< 0.005	
F019224	0.022	
F019225	0.005	
F019226	0.011	
F019227	0.011	
F019228	0.069	
F019229	0.009	
F019230	6.50	
F019231	2.15	
F019232	0.007	
F019233	0.069	
F019234	0.014	
F019235	< 0.005	
F019236	0.018	
F019237	0.012	
F019238	0.005	
F019239	0.005	
F019240	< 0.005	
F019241	< 0.005	
F019242	< 0.005	
F019243	0.005	
F019244	< 0.005	
F019245	< 0.005	
F019246	0.018	
F019247	0.011	
F019248	0.012	
F019249	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019250	0.452	
F019251	0.006	
F019252	0.006	
OREAS 224 (Fire Assay) Meas		2.08
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.17	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.26	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.333	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.342	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.346	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.3
OREAS 257 Cert		14.18
F019174 Orig	0.026	
F019174 Dup	0.024	
F019184 Orig	0.006	
F019184 Dup	0.005	
F019194 Orig	< 0.005	
F019194 Dup	< 0.005	
F019209 Orig	0.010	
F019209 Dup	0.008	
F019214 Orig	0.165	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019214 Split	0.115	
F019218 Orig	< 0.005	
F019218 Dup	< 0.005	
F019243 Orig	0.005	
F019243 Dup	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	09-Jul-19
Invoice No.:	A19-08879-ReAssay
Invoice Date:	15-Jul-19
Your Reference:	MW5173 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

88 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-08879-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F019221	0.065
F019222	0.027
F019223	< 0.005
F019224	< 0.005
F019225	0.005
F019226	0.013
F019227	0.015
F019228	0.040
F019229	0.014
F019230	6.70
F019231	2.15
F019232	0.013
F019233	0.040
F019234	0.021
F019235	0.012
F019236	0.013
F019237	0.022
F019238	0.012
F019239	0.013
OREAS 222 (Fire Assay) Meas	1.22
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.16
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.337
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.337
OREAS 217 (Fire Assay) Cert	0.338
Method Blank	< 0.005
Method Blank	0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted:	09-Jul-19
Invoice No.:	A19-08880
Invoice Date:	12-Jul-19
Your Reference:	MW5174 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

96 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-08880**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019435	0.010	
F019436	0.011	
F019437	0.025	
F019438	0.009	
F019439	0.009	
F019440	< 0.005	
F019441	0.009	
F019442	0.008	
F019443	0.009	
F019444	0.011	
F019445	0.010	
F019446	0.011	
F019447	0.011	
F019448	0.012	
F019449	0.014	
F019450	0.458	
F019451	0.012	
F019452	0.012	
F019453	0.011	
F019454	0.014	
F019455	0.020	
F019456	0.016	
F019457	0.015	
F019458	0.013	
F019459	0.013	
F019460	< 0.005	
F019461	0.013	
F019462	0.008	
F019463	0.011	
F019464	0.005	
F019465	0.005	
F019466	0.009	
F019467	0.006	
F019468	< 0.005	
F019469	0.006	
F019470	> 10.0	14.4
F019471	0.013	
F019472	< 0.005	
F019473	0.014	
F019474	0.007	
F019475	0.009	
F019476	0.034	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019477	0.011	
F019478	0.013	
F019479	0.011	
F019480	< 0.005	
F019481	0.026	
F019482	0.012	
F019483	0.007	
F019484	0.018	
F019485	0.009	
F019486	0.021	
F019487	0.005	
F019488	< 0.005	
F019489	0.015	
F019490	3.49	
F019491	0.010	
F019492	< 0.005	
F019493	0.005	
F019494	0.005	
F019495	0.007	
F019496	< 0.005	
F019497	< 0.005	
F019498	< 0.005	
F019499	0.005	
F019500	< 0.005	
F019501	< 0.005	
F019502	< 0.005	
F019503	< 0.005	
F019504	< 0.005	
F019505	< 0.005	
F019506	< 0.005	
F019507	< 0.005	
F019508	< 0.005	
F019509	0.006	
F019510	3.37	
F019511	0.005	
F019512	0.006	
F019513	0.005	
F019514	< 0.005	
F019515	0.005	
F019516	0.012	
F019517	0.009	
F019518	0.005	
F019519	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019520	< 0.005	
F019521	0.008	
F019522	0.008	
F019523	0.006	
F019524	0.005	
F019525	0.006	
F019526	< 0.005	
F019527	0.005	
F019528	0.013	
F019529	< 0.005	
F019530	6.56	
OREAS 216 (Fire Assay) Meas		6.68
OREAS 216 (Fire Assay) Cert		6.66
OREAS 224 (Fire Assay) Meas		2.25
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.27	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.24	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.15	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.345	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.331	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.329	
OREAS 217 (Fire	0.338	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Cert		
OREAS 217 (Fire Assay) Meas	0.335	
OREAS 217 (Fire Assay) Cert	0.338	
F019444 Orig	0.011	
F019444 Dup	0.013	
F019454 Orig	0.014	
F019454 Dup	0.014	
F019464 Orig	0.005	
F019464 Dup	< 0.005	
F019479 Orig	0.011	
F019479 Dup	0.011	
F019484 Orig	0.018	
F019484 Split	0.020	
F019488 Orig	< 0.005	
F019488 Dup	< 0.005	
F019498 Orig	< 0.005	
F019498 Dup	0.005	
F019513 Orig	0.005	
F019513 Dup	< 0.005	
F019523 Orig	0.006	
F019523 Dup	0.006	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank	< 0.005	

Quality Analysis ... *Innovative Technologies*

Date Submitted: 09-Jul-19
Invoice No.: A19-08880-ReAssay
Invoice Date: 20-Aug-19
Your Reference: MW5174 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

96 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Geraldton QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-08880-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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TELEPHONE +807 854-2020 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F019521	< 0.005
F019522	< 0.005
F019523	< 0.005
F019524	< 0.005
F019525	< 0.005
F019526	< 0.005
F019527	< 0.005
F019528	< 0.005
F019529	< 0.005
F019530	6.76
OREAS 222 (Fire Assay) Meas	1.26
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.346
OREAS 217 (Fire Assay) Cert	0.338
F019529 Orig	< 0.005
F019529 Dup	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 09-Jul-19
Invoice No.: A19-08882
Invoice Date: 10-Jul-19
Your Reference: MW5175 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

52 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-08882**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F019574	0.017
F019575	0.006
F019576	0.015
F019577	0.006
F019578	< 0.005
F019579	0.007
F019580	< 0.005
F019581	0.009
F019582	0.012
F019583	< 0.005
F019584	< 0.005
F019585	< 0.005
F019586	< 0.005
F019587	0.008
F019588	0.017
F019589	< 0.005
F019590	3.59
F019591	0.011
F019592	0.010
F019593	0.012
F019594	0.005
F019605	0.017
F019606	0.212
F019607	0.027
F019608	0.094
F019609	0.082
F019610	3.70
F019611	0.045
F019612	0.057
F019613	0.012
F019614	0.009
F019615	0.005
F019616	0.020
F019617	< 0.005
F019618	0.005
F019619	0.005
F019620	< 0.005
F019621	< 0.005
F019674	0.012
F019675	0.111
F019676	0.005
F019677	0.202
F019678	0.009

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F019679	0.046
F019691	0.008
F019692	0.023
F019693	0.021
F019694	0.028
F019695	0.018
F019696	0.011
F019697	0.005
F019698	0.006
OREAS 222 (Fire Assay) Meas	1.21
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.18
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.342
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.345
OREAS 217 (Fire Assay) Cert	0.338
F019583 Orig	< 0.005
F019583 Dup	< 0.005
F019593 Orig	0.012
F019593 Dup	0.009
F019613 Orig	0.012
F019613 Dup	0.011
F019691 Orig	0.008
F019691 Dup	0.023
F019696 Orig	0.011
F019696 Split	0.012
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 11-Jul-19
Invoice No.: A19-08989
Invoice Date: 16-Jul-19
Your Reference: MW5178 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-08989**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019253	0.012	
F019254	0.005	
F019255	0.013	
F019256	0.029	
F019257	0.010	
F019258	0.082	
F019259	0.160	
F019260	< 0.005	
F019261	0.024	
F019262	0.150	
F019263	0.104	
F019264	0.005	
F019265	< 0.005	
F019266	0.006	
F019267	< 0.005	
F019268	< 0.005	
F019269	< 0.005	
F019270	> 10.0	14.3
F019271	0.009	
F019272	< 0.005	
F019273	0.010	
F019274	0.017	
F019275	0.007	
F019276	< 0.005	
F019277	0.005	
F019278	0.005	
F019279	0.008	
F019280	< 0.005	
F019281	0.058	
F019282	0.007	
F019283	0.005	
F019284	0.006	
F019285	0.005	
F019286	0.005	
F019287	0.008	
F019288	0.009	
F019289	0.042	
F019290	3.52	
F019291	0.014	
F019292	0.198	
F019293	0.048	
F019294	5.81	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019295	0.082	
F019296	0.015	
F019297	1.17	
F019298	0.017	
F019299	3.21	
F019300	0.006	
F019301	0.032	
F019302	0.126	
F019303	0.132	
F019304	0.446	
F019305	0.017	
F019306	0.032	
F019307	0.006	
F019308	< 0.005	
F019309	< 0.005	
F019310	3.44	
F019311	0.011	
F019312	0.028	
F019313	0.053	
F019314	0.135	
F019315	1.06	
F019316	1.37	
F019317	2.20	
F019318	0.427	
F019319	0.432	
F019320	< 0.005	
F019321	0.091	
F019322	0.311	
F019323	0.381	
F019324	0.256	
F019325	0.021	
F019326	0.588	
F019327	0.105	
F019328	2.60	
F019329	0.033	
F019330	6.80	
F019331	0.254	
F019332	0.072	
F019333	1.07	
F019334	0.211	
F019335	0.167	
F019336	0.015	
F019337	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019338	0.103	
F019339	0.010	
F019340	< 0.005	
F019341	0.007	
F019342	0.006	
F019343	< 0.005	
F019344	0.005	
F019345	0.007	
F019346	0.006	
F019347	0.008	
F019348	0.011	
F019349	0.010	
F019350	0.459	
F019351	0.018	
F019352	0.020	
F019353	0.009	
F019354	0.009	
F019355	0.006	
F019356	0.006	
F019357	0.005	
F019358	0.006	
F019359	< 0.005	
F019360	< 0.005	
F019361	0.012	
F019362	0.006	
F019363	0.012	
F019364	0.011	
F019365	0.006	
F019366	0.014	
F019367	0.011	
F019368	0.006	
F019369	0.009	
F019370	> 10.0	14.7
F019371	0.008	
F019372	0.011	
F019373	0.005	
F019374	0.013	
F019375	0.006	
F019376	< 0.005	
F019377	< 0.005	
F019378	0.014	
F019379	0.010	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019380	< 0.005	
F019381	0.007	
F019382	0.014	
F019383	0.017	
F019384	0.009	
F019385	0.021	
F019386	0.010	
F019387	0.005	
F019388	< 0.005	
F019389	< 0.005	
F019390	3.41	
F019391	0.011	
F019392	< 0.005	
F019393	0.006	
F019394	< 0.005	
F019395	0.005	
F019396	0.011	
OREAS 224 (Fire Assay) Meas		2.22
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.16	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.19	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.17	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.17	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.329	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.327	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire	0.325	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.325	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.326	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.325	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.1
OREAS 257 Cert		14.18
F019262 Orig	0.150	
F019262 Dup	0.129	
F019272 Orig	< 0.005	
F019272 Dup	< 0.005	
F019282 Orig	0.007	
F019282 Dup	0.007	
F019302 Orig	0.126	
F019302 Split	0.150	
F019306 Orig	0.032	
F019306 Dup	0.029	
F019341 Orig	0.007	
F019341 Dup	0.005	
F019351 Orig	0.018	
F019351 Dup	0.018	
F019352 Orig	0.020	
F019352 Split	0.023	
F019365 Orig	0.006	
F019365 Dup	0.005	
F019375 Orig	0.006	
F019375 Dup	0.006	
F019385 Orig	0.021	
F019385 Dup	0.021	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	11-Jul-19
Invoice No.:	A19-08990
Invoice Date:	17-Jul-19
Your Reference:	MW5179 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-08990**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019531	0.005	
F019532	0.006	
F019533	0.005	
F019534	0.007	
F019535	0.010	
F019536	0.007	
F019537	0.007	
F019538	0.007	
F019539	0.005	
F019540	< 0.005	
F019541	< 0.005	
F019542	0.009	
F019543	0.009	
F019544	0.011	
F019545	0.019	
F019546	0.009	
F019547	0.006	
F019548	0.011	
F019549	0.008	
F019550	0.440	
F019551	0.008	
F019552	0.009	
F019553	0.009	
F019554	0.013	
F019555	0.015	
F019556	0.020	
F019557	0.012	
F019558	< 0.005	
F019559	< 0.005	
F019560	< 0.005	
F019561	< 0.005	
F019562	0.006	
F019563	0.009	
F019564	< 0.005	
F019565	< 0.005	
F019566	< 0.005	
F019567	< 0.005	
F019568	< 0.005	
F019569	< 0.005	
F019570	> 10.0	14.1
F019571	< 0.005	
F019572	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019573	< 0.005	
F019595	0.025	
F019596	0.037	
F019597	0.039	
F019598	0.025	
F019599	0.032	
F019600	< 0.005	
F019601	0.301	
F019602	0.012	
F019603	0.074	
F019604	0.094	
F019622	< 0.005	
F019623	< 0.005	
F019624	< 0.005	
F019625	< 0.005	
F019626	< 0.005	
F019627	< 0.005	
F019628	< 0.005	
F019629	< 0.005	
F019630	6.72	
F019631	< 0.005	
F019632	< 0.005	
F019633	0.018	
F019634	< 0.005	
F019635	< 0.005	
F019636	< 0.005	
F019637	< 0.005	
F019638	< 0.005	
F019639	< 0.005	
F019640	< 0.005	
F019641	< 0.005	
F019642	< 0.005	
F019643	< 0.005	
F019644	< 0.005	
F019645	0.005	
F019646	< 0.005	
F019647	0.005	
F019648	0.005	
F019649	0.005	
F019650	0.538	
F019651	< 0.005	
F019652	< 0.005	
F019653	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019654	< 0.005	
F019655	< 0.005	
F019656	< 0.005	
F019657	< 0.005	
F019658	< 0.005	
F019659	< 0.005	
F019660	< 0.005	
F019661	< 0.005	
F019662	< 0.005	
F019663	< 0.005	
F019664	< 0.005	
F019665	< 0.005	
F019666	< 0.005	
F019667	< 0.005	
F019668	< 0.005	
F019669	< 0.005	
F019670	> 10.0	14.3
F019671	< 0.005	
F019672	< 0.005	
F019673	< 0.005	
F019680	< 0.005	
F019681	0.011	
F019682	0.010	
F019683	< 0.005	
F019684	< 0.005	
F019685	0.007	
F019686	0.005	
F019687	< 0.005	
F019688	0.026	
F019689	0.029	
F019690	3.59	
F019699	0.005	
F019700	< 0.005	
F019701	0.005	
F019702	< 0.005	
F019703	< 0.005	
F019704	< 0.005	
F019705	< 0.005	
F019706	0.005	
F019707	< 0.005	
F019708	0.005	
F019709	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019710	3.53	
F019711	0.006	
F019712	< 0.005	
F019713	0.005	
F019714	0.005	
F019715	< 0.005	
F019716	< 0.005	
F019717	< 0.005	
F019718	< 0.005	
F019719	< 0.005	
F019720	< 0.005	
F019721	< 0.005	
F019722	< 0.005	
F019723	< 0.005	
F019724	< 0.005	
F019725	< 0.005	
F019726	< 0.005	
OREAS 224 (Fire Assay) Meas		2.19
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.24	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.25	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.349	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire	0.330	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.326	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.326	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.341	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
F019540 Orig	< 0.005	
F019540 Dup	< 0.005	
F019551 Orig	0.008	
F019551 Dup	0.008	
F019560 Orig	< 0.005	
F019560 Dup	< 0.005	
F019596 Orig	0.037	
F019596 Dup	0.012	
F019601 Orig	0.301	
F019601 Split	0.290	
F019622 Orig	< 0.005	
F019622 Dup	< 0.005	
F019632 Orig	< 0.005	
F019632 Dup	< 0.005	
F019647 Orig	0.005	
F019647 Dup	0.005	
F019657 Orig	< 0.005	
F019657 Dup	< 0.005	
F019667 Orig	< 0.005	
F019667 Dup	< 0.005	
F019668 Orig	< 0.005	
F019668 Split	< 0.005	
F019687 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019687 Dup	< 0.005	
F019705 Orig	< 0.005	
F019705 Dup	< 0.005	
F019715 Orig	< 0.005	
F019715 Dup	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 11-Jul-19
Invoice No.: A19-08991
Invoice Date: 16-Jul-19
Your Reference: MW5183 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

45 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-08991**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019727	0.005	
F019728	< 0.005	
F019729	0.005	
F019730	6.51	
F019731	0.038	
F019732	0.006	
F019733	0.006	
F019734	0.006	
F019735	< 0.005	
F019736	0.005	
F019737	< 0.005	
F019738	< 0.005	
F019739	0.005	
F019740	< 0.005	
F019741	0.021	
F019742	0.010	
F019743	0.005	
F019744	0.005	
F019745	< 0.005	
F019746	< 0.005	
F019747	0.006	
F019748	< 0.005	
F019749	0.006	
F019750	0.482	
F019751	0.005	
F019752	0.005	
F019753	< 0.005	
F019754	0.005	
F019755	< 0.005	
F019756	0.005	
F019757	< 0.005	
F019758	< 0.005	
F019759	< 0.005	
F019760	< 0.005	
F019761	< 0.005	
F019762	< 0.005	
F019763	0.005	
F019764	< 0.005	
F019765	0.005	
F019766	0.005	
F019767	0.005	
F019768	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019769	< 0.005	
F019770	> 10.0	14.3
F019771	< 0.005	
OREAS 224 (Fire Assay) Meas		2.22
OREAS 224 (Fire Assay) Cert		2.15
OREAS 224 (Fire Assay) Meas		2.22
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.16	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.20	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.23	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.329	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.332	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.332	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
OREAS 257 Meas		14.1
OREAS 257 Cert		14.18
F019736 Orig	0.005	
F019736 Dup	< 0.005	
F019756 Orig	0.005	
F019756 Dup	< 0.005	
F019771 Orig	< 0.005	
F019771 Dup	0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	11-Jul-19
Invoice No.:	A19-08991-ReAssay
Invoice Date:	18-Jul-19
Your Reference:	MW5183 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

45 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-08991-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F019727	0.009
F019728	0.007
F019729	0.007
F019730	6.83
F019731	0.005
F019732	0.040
F019733	< 0.005
F019734	0.009
F019735	< 0.005
F019736	< 0.005
F019737	0.005
F019738	< 0.005
F019739	< 0.005
OREAS 222 (Fire Assay) Meas	1.27
OREAS 222 (Fire Assay) Cert	1.22
OREAS 222 (Fire Assay) Meas	1.24
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.335
OREAS 217 (Fire Assay) Cert	0.338
OREAS 217 (Fire Assay) Meas	0.351
OREAS 217 (Fire Assay) Cert	0.338
Method Blank	< 0.005
Method Blank	0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Jul-19
Invoice No.: A19-09088
Invoice Date: 24-Jul-19
Your Reference: MW5177

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-09088**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F000881	< 0.005	
F000882	< 0.005	
F000883	< 0.005	
F000884	< 0.005	
F000885	< 0.005	
F000886	< 0.005	
F000887	< 0.005	
F000888	< 0.005	
F000889	< 0.005	
F000890	3.41	
F000891	< 0.005	
F000892	< 0.005	
F000893	< 0.005	
F000894	< 0.005	
F000895	< 0.005	
F000896	0.005	
F000897	< 0.005	
F000898	< 0.005	
F000899	< 0.005	
F000900	< 0.005	
F000901	< 0.005	
F000902	< 0.005	
F000903	< 0.005	
F000904	< 0.005	
F000905	< 0.005	
F000906	< 0.005	
F000907	< 0.005	
F000908	< 0.005	
F000909	< 0.005	
F000910	3.56	
F000911	0.005	
F000912	< 0.005	
F000913	< 0.005	
F000914	< 0.005	
F000915	< 0.005	
F000916	0.014	
F000917	< 0.005	
F000918	0.013	
F000919	< 0.005	
F000920	< 0.005	
F000921	< 0.005	
F000922	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F000923	0.006	
F000924	< 0.005	
F000925	< 0.005	
F000926	0.005	
F000927	0.026	
F000928	0.030	
F000929	0.006	
F000930	7.06	
F000931	0.021	
F000932	0.022	
F000933	0.005	
F000934	0.006	
F000935	0.006	
F000936	0.008	
F000937	0.009	
F000938	0.013	
F000939	0.014	
F000940	< 0.005	
F007719	0.768	
F007720	< 0.005	
F007721	0.031	
F007722	0.037	
F007723	0.105	
F007724	0.011	
F007725	< 0.005	
F007726	0.005	
F007727	0.005	
F007728	0.008	
F007729	0.013	
F007730	6.91	
F007731	0.011	
F007732	0.019	
F007733	0.009	
F007734	0.005	
F007735	< 0.005	
F007736	< 0.005	
F007737	< 0.005	
F007738	< 0.005	
F007739	< 0.005	
F007740	< 0.005	
F007741	0.238	
F007742	0.008	
F007743	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F007744	0.005	
F007745	0.006	
F007746	0.006	
F007747	0.018	
F007748	0.068	
F007749	0.035	
F007750	0.461	
F007751	0.118	
F007752	0.011	
F007753	0.006	
F007754	0.051	
F007755	< 0.005	
F007756	< 0.005	
F007757	0.006	
F007758	< 0.005	
F007759	< 0.005	
F007760	< 0.005	
F007761	0.005	
F007762	0.015	
F007763	< 0.005	
F007764	< 0.005	
F007765	0.005	
F007766	< 0.005	
F007767	< 0.005	
F007768	0.009	
F007769	0.006	
F007770	> 10.0	14.6
F007771	0.013	
F007772	0.036	
F007773	0.348	
F007774	0.334	
F007775	0.021	
F007776	0.077	
F007777	0.079	
F007778	0.164	
F007779	0.006	
F007780	< 0.005	
F007781	0.007	
F007782	0.009	
F007783	0.009	
F007784	0.200	
F007785	0.248	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F007786	0.100	
F007787	0.005	
F007788	< 0.005	
F007789	< 0.005	
F007790	3.43	
F007791	< 0.005	
F007792	0.005	
F007793	< 0.005	
F007794	< 0.005	
F007795	< 0.005	
F007796	< 0.005	
F007797	< 0.005	
F007798	< 0.005	
F007799	0.024	
F007800	< 0.005	
F007801	< 0.005	
F007802	< 0.005	
F007803	< 0.005	
OREAS 216 (Fire Assay) Meas		6.69
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.55	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.50	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.54	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.45	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.536	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.512	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.521	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.515	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.532	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.3
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		3.97
OREAS 255 (Fire Assay) Cert		4.08
F000884 Orig	< 0.005	
F000884 Dup	< 0.005	
F000902 Orig	< 0.005	
F000902 Dup	< 0.005	
F000913 Orig	< 0.005	
F000913 Dup	< 0.005	
F000919 Orig	< 0.005	
F000919 Dup	< 0.005	
F000931 Orig	0.021	
F000931 Split	0.016	
F000934 Orig	0.006	
F000934 Dup	0.007	
F007738 Orig	< 0.005	
F007738 Dup	< 0.005	
F007747 Orig	0.018	
F007747 Dup	0.026	
F007756 Orig	< 0.005	
F007756 Dup	< 0.005	
F007758 Orig	< 0.005	
F007758 Split	< 0.005	
F007777 Orig	0.079	
F007777 Dup	0.066	
F007784 Orig	0.200	
F007784 Dup	0.238	
F007795 Orig	< 0.005	
F007795 Dup	< 0.005	
F007803 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F007803 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 15-Jul-19
Invoice No.: A19-09089
Invoice Date: 24-Jul-19
Your Reference: MW5181

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-09089**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F000941	0.077	
F000942	0.009	
F000943	0.006	
F000944	0.008	
F000945	0.028	
F000946	0.005	
F000947	0.010	
F000948	0.011	
F000949	0.012	
F000950	0.441	
F021501	0.014	
F021502	0.018	
F021503	0.115	
F021504	0.075	
F021505	0.017	
F021506	0.010	
F021507	0.007	
F021508	< 0.005	
F021509	< 0.005	
F021510	3.42	
F021511	0.009	
F021512	< 0.005	
F021513	0.005	
F021514	0.005	
F021515	< 0.005	
F021516	0.013	
F021517	0.114	
F021518	0.012	
F021519	0.038	
F021520	< 0.005	
F021521	0.006	
F021522	0.014	
F021523	0.016	
F021524	0.011	
F021525	0.014	
F021526	0.049	
F021527	0.079	
F021528	0.219	
F021529	0.064	
F021530	7.04	
F021531	0.021	
F021532	0.024	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021533	0.172	
F021534	0.005	
F021535	0.007	
F021536	0.010	
F021537	< 0.005	
F021538	0.006	
F021539	0.007	
F021540	< 0.005	
F021541	0.009	
F021542	0.012	
F021543	0.015	
F021544	0.006	
F021545	0.010	
F021546	0.006	
F021547	< 0.005	
F021548	0.007	
F021549	0.014	
F021550	0.456	
F021551	0.007	
F021552	0.088	
F021553	0.162	
F021554	0.396	
F021555	0.311	
F021556	0.007	
F021557	0.007	
F021558	0.005	
F021559	0.022	
F021560	< 0.005	
F021561	0.018	
F021562	0.279	
F021563	0.037	
F021564	0.009	
F021565	< 0.005	
F021566	0.005	
F021567	0.005	
F021568	0.005	
F021569	0.115	
F021570	> 10.0	14.5
F021571	0.016	
F021572	0.053	
F021573	0.006	
F021574	0.007	
F021575	0.523	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021576	0.015	
F021577	0.013	
F021578	0.006	
F021579	0.043	
F021580	< 0.005	
F021581	< 0.005	
F021582	< 0.005	
F021583	0.237	
F021584	0.008	
F021585	0.134	
F021586	0.068	
F021587	0.026	
F021588	0.023	
F021589	0.011	
F021590	3.42	
F021591	0.007	
F021592	0.009	
F021593	0.006	
F021594	< 0.005	
F021595	< 0.005	
F021596	< 0.005	
F021597	0.005	
F021598	< 0.005	
F021599	< 0.005	
F021600	< 0.005	
F021601	< 0.005	
F021602	< 0.005	
F021603	< 0.005	
F021604	< 0.005	
F021605	< 0.005	
F021606	< 0.005	
F021607	< 0.005	
F021608	< 0.005	
F021609	< 0.005	
F021610	3.30	
F021611	< 0.005	
F021612	< 0.005	
F021613	< 0.005	
F021614	< 0.005	
F021615	< 0.005	
F021616	< 0.005	
F021617	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021618	< 0.005	
F021619	< 0.005	
F021620	< 0.005	
F021621	< 0.005	
F021622	0.007	
F021623	< 0.005	
F021624	< 0.005	
F021625	0.005	
F021626	0.005	
F021627	0.005	
F021628	< 0.005	
F021629	0.005	
F021630	3.36	
F021631	0.005	
F021632	0.006	
F021633	0.007	
F021634	0.007	
OREAS 216 (Fire Assay) Meas		6.69
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.52	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.48	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.543	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.532	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.529	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.532	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.533	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.521	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.11
OREAS 255 (Fire Assay) Cert		4.08
F021501 Orig	0.014	
F021501 Dup	0.013	
F021511 Orig	0.009	
F021511 Dup	0.007	
F021519 Orig	0.038	
F021519 Dup	0.038	
F021541 Orig	0.009	
F021541 Split	0.007	
F021541 Orig	0.009	
F021541 Dup	0.009	
F021546 Orig	0.006	
F021546 Dup	0.005	
F021558 Orig	0.005	
F021558 Dup	0.005	
F021575 Orig	0.523	
F021575 Dup	0.550	
F021581 Orig	< 0.005	
F021581 Dup	< 0.005	
F021591 Orig	0.007	
F021591 Split	< 0.005	
F021592 Orig	0.009	
F021592 Dup	0.009	
F021609 Orig	< 0.005	
F021609 Dup	< 0.005	
F021616 Orig	< 0.005	
F021616 Dup	< 0.005	
F021627 Orig	0.005	
F021627 Dup	0.006	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 18-Jul-19
Invoice No.: A19-09293
Invoice Date: 23-Jul-19
Your Reference: MW5186 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

145 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-09293**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F020551	0.006	
F020552	0.005	
F020553	< 0.005	
F020554	< 0.005	
F020555	< 0.005	
F020556	0.005	
F020557	0.006	
F020558	< 0.005	
F020559	0.008	
F020560	< 0.005	
F020561	< 0.005	
F020562	0.009	
F020563	0.011	
F020564	0.010	
F020565	0.020	
F020566	0.006	
F020567	0.006	
F020568	0.005	
F020569	0.016	
F020570	> 10.0	14.3
F020571	0.011	
F020572	< 0.005	
F020573	< 0.005	
F020574	< 0.005	
F020575	0.020	
F020576	0.018	
F020577	0.013	
F020578	0.010	
F020579	0.006	
F020580	0.005	
F020581	0.006	
F020582	0.113	
F020583	0.005	
F020584	0.032	
F020585	0.051	
F020586	0.010	
F020587	0.010	
F020588	0.018	
F020589	0.015	
F020590	3.34	
F020591	0.016	
F020592	0.011	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F020593	0.010	
F020594	0.040	
F020595	0.011	
F020596	0.011	
F020597	0.009	
F020598	0.010	
F020599	0.014	
F020600	< 0.005	
F020601	0.013	
F020602	0.009	
F020603	0.013	
F020604	0.014	
F020605	0.018	
F020606	0.008	
F020607	< 0.005	
F020608	0.062	
F020609	0.013	
F020610	3.38	
F020611	0.062	
F020612	0.014	
F020613	0.005	
F020614	0.010	
F020615	0.006	
F020616	0.009	
F020617	0.014	
F020618	0.080	
F020619	0.012	
F020620	0.010	
F020621	0.010	
F020622	0.011	
F007919	0.008	
F007920	0.005	
F007921	0.007	
F007922	0.008	
F007923	0.010	
F007924	0.011	
F007925	0.008	
F007926	0.008	
F007927	0.007	
F007928	0.009	
F007929	< 0.005	
F007930	6.96	
F007931	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F007932	< 0.005	
F007933	0.007	
F007934	0.006	
F007935	0.005	
F007936	0.006	
F007937	< 0.005	
F007938	0.005	
F007939	0.012	
F007940	< 0.005	
F007941	0.012	
F007942	0.009	
F007943	< 0.005	
F007944	0.007	
F007945	0.007	
F007946	0.005	
F007947	0.007	
F007948	0.005	
F007949	0.005	
F007950	0.454	
F007951	0.009	
F007952	0.006	
F007953	0.015	
F007954	0.011	
F007955	0.338	
F007956	0.263	
F007957	0.012	
F007958	0.008	
F007959	0.005	
F007960	< 0.005	
F007961	0.007	
F007962	0.005	
F007963	0.005	
F007964	< 0.005	
F007965	0.006	
F007966	0.005	
F007967	< 0.005	
F007968	< 0.005	
F007969	< 0.005	
F007970	> 10.0	13.4
F007971	0.006	
F007972	0.005	
F007973	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F007974	0.008	
F007975	< 0.005	
F007976	0.006	
F007977	0.006	
F007978	0.007	
F007979	0.009	
F007980	< 0.005	
F007981	0.005	
F007982	< 0.005	
F007983	0.012	
F007984	0.010	
F007985	0.009	
F007986	0.005	
F007987	0.008	
F007988	0.007	
F007989	0.006	
F007990	3.36	
F007991	0.005	
OREAS 224 (Fire Assay) Meas		2.09
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.13	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.23	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.333	
OREAS 217 (Fire Assay) Cert	0.338	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 217 (Fire Assay) Meas	0.328	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.336	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.338	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.339	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
F020560 Orig	< 0.005	
F020560 Dup	< 0.005	
F020571 Orig	0.011	
F020571 Dup	0.005	
F020580 Orig	0.005	
F020580 Dup	< 0.005	
F020595 Orig	0.011	
F020595 Dup	0.012	
F020601 Orig	0.013	
F020601 Split	0.012	
F020604 Orig	0.014	
F020604 Dup	0.014	
F020614 Orig	0.010	
F020614 Dup	0.006	
F007925 Orig	0.008	
F007925 Dup	0.008	
F007935 Orig	0.005	
F007935 Dup	0.005	
F007945 Orig	0.007	
F007945 Dup	0.009	
F007946 Orig	0.005	
F007946 Split	0.007	
F007959 Orig	0.005	
F007959 Dup	0.005	
F007969 Orig	< 0.005	
F007969 Dup	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F007979 Orig	0.009	
F007979 Dup	0.007	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-19
Invoice No.: A19-09589
Invoice Date: 26-Jul-19
Your Reference: MW5184 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-09589**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018407	1.15	
F018408	0.047	
F018409	0.025	
F018410	3.62	
F018411	0.013	
F018412	0.019	
F018413	0.512	
F018414	0.572	
F018415	0.018	
F018416	1.23	
F018417	0.146	
F018418	0.014	
F018419	0.031	
F018420	< 0.005	
F018421	0.013	
F018422	0.757	
F018423	0.392	
F018424	0.015	
F018425	0.024	
F018426	0.010	
F018427	0.015	
F018428	0.012	
F018429	0.019	
F018430	7.00	
F018431	0.017	
F018432	0.026	
F018433	0.021	
F018434	0.022	
F018435	0.017	
F018436	0.023	
F018437	0.007	
F018438	0.021	
F018439	0.128	
F018440	< 0.005	
F018441	0.018	
F018442	0.012	
F018443	0.020	
F018444	0.023	
F018445	0.007	
F018446	0.006	
F018447	0.005	
F018448	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018449	0.020	
F018450	0.480	
F018451	0.034	
F018452	0.293	
F018453	0.021	
F018454	0.515	
F018455	0.063	
F018456	0.337	
F018457	0.026	
F018458	0.036	
F018459	0.074	
F018460	< 0.005	
F018461	0.178	
F018462	0.035	
F018463	0.011	
F018464	< 0.005	
F018465	0.096	
F018466	0.271	
F018467	2.90	
F018468	6.04	
F018469	7.65	
F018470	> 10.0	14.2
F018471	0.233	
F018472	0.014	
F018473	0.050	
F018474	0.025	
F018475	0.011	
F018476	0.010	
F018477	0.006	
F018478	0.012	
F018479	0.008	
F018480	< 0.005	
F018481	0.006	
F018482	0.009	
F018483	0.045	
F018484	0.011	
F018485	0.012	
F018486	4.55	
F018487	0.025	
F018488	0.015	
F018489	0.045	
F018490	3.45	
F018491	4.91	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018492	0.209	
F018493	< 0.005	
F018494	0.005	
F018495	0.006	
F018496	0.010	
F018497	4.02	
F018498	0.014	
F018499	0.014	
F018500	< 0.005	
F018501	0.036	
F018502	1.67	
F018503	0.050	
F018504	3.52	
F018505	1.17	
F018506	0.055	
F018507	1.47	
F018508	0.051	
F018509	0.071	
F018510	3.76	
F018511	0.161	
F018512	5.62	
F019397	0.012	
F019398	0.009	
F019399	< 0.005	
F019400	< 0.005	
F019401	0.006	
F019402	< 0.005	
F019403	< 0.005	
F019404	< 0.005	
F019405	< 0.005	
F019406	0.005	
F019407	< 0.005	
F019408	< 0.005	
F019409	< 0.005	
F019410	3.30	
F019411	< 0.005	
F019412	< 0.005	
F019413	< 0.005	
F019414	< 0.005	
F019415	< 0.005	
F019416	< 0.005	
F019417	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019418	0.007	
F019419	0.005	
F019420	< 0.005	
F019421	0.005	
F019422	0.005	
F019423	< 0.005	
F019424	0.005	
F019425	< 0.005	
F019426	0.007	
F019427	0.007	
F019428	0.007	
F019429	0.007	
F019430	6.74	
F019431	< 0.005	
F019432	< 0.005	
F019433	< 0.005	
F019434	< 0.005	
OREAS 224 (Fire Assay) Meas		2.18
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.23	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.26	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.26	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.25	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire	0.329	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.326	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.349	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.340	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.2
OREAS 257 Cert		14.18
F018416 Orig	1.23	
F018416 Dup	1.22	
F018426 Orig	0.010	
F018426 Dup	0.010	
F018436 Orig	0.023	
F018436 Dup	0.030	
F018451 Orig	0.034	
F018451 Dup	0.026	
F018456 Orig	0.337	
F018456 Split	0.252	
F018460 Orig	< 0.005	
F018460 Dup	< 0.005	
F018485 Orig	0.012	
F018485 Dup	0.013	
F018495 Orig	0.006	
F018495 Dup	0.006	
F018505 Orig	1.17	
F018505 Dup	1.36	
F018506 Orig	0.055	
F018506 Split	0.076	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019403 Orig	< 0.005	
F019403 Dup	0.005	
F019413 Orig	< 0.005	
F019413 Dup	< 0.005	
F019423 Orig	< 0.005	
F019423 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	24-Jul-19
Invoice No.:	A19-09590
Invoice Date:	31-Jul-19
Your Reference:	MW5185 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-09590**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019772	< 0.005	
F019773	< 0.005	
F019774	0.007	
F019775	0.005	
F019776	0.026	
F019777	0.040	
F019778	< 0.005	
F019779	< 0.005	
F019780	0.007	
F019781	< 0.005	
F019782	0.008	
F019783	< 0.005	
F019784	< 0.005	
F019785	0.008	
F019786	< 0.005	
F019787	< 0.005	
F019788	0.005	
F019789	< 0.005	
F019790	3.63	
F019791	0.005	
F019792	< 0.005	
F019793	0.005	
F019794	0.006	
F019795	0.007	
F019796	0.138	
F019797	0.007	
F019798	3.54	
F019799	4.93	
F019800	0.005	
F019801	0.010	
F019802	0.011	
F019803	0.006	
F019804	< 0.005	
F019805	0.007	
F019806	0.006	
F019807	< 0.005	
F019808	0.104	
F019809	0.007	
F019810	3.35	
F019811	0.012	
F019812	0.009	
F019813	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019814	< 0.005	
F019815	0.012	
F019816	0.041	
F019817	0.006	
F019818	0.005	
F019819	< 0.005	
F019820	0.006	
F019821	0.005	
F019822	0.008	
F019823	0.010	
F019824	0.007	
F019825	0.006	
F019826	0.005	
F019827	0.007	
F019828	0.005	
F019829	0.006	
F019830	6.68	
F019831	0.007	
F019832	0.008	
F019833	0.006	
F019834	0.008	
F019835	0.029	
F019836	0.007	
F019837	0.007	
F019838	0.009	
F019839	0.007	
F019840	0.005	
F019841	< 0.005	
F019842	< 0.005	
F019843	< 0.005	
F019844	< 0.005	
F019845	< 0.005	
F019846	< 0.005	
F019847	0.009	
F019848	0.015	
F019849	< 0.005	
F019850	0.510	
F019851	< 0.005	
F019852	< 0.005	
F019853	< 0.005	
F019854	< 0.005	
F019855	< 0.005	
F019856	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019857	< 0.005	
F019858	< 0.005	
F019859	< 0.005	
F019860	< 0.005	
F019861	< 0.005	
F019862	< 0.005	
F019863	< 0.005	
F019864	< 0.005	
F019865	< 0.005	
F019866	< 0.005	
F019867	< 0.005	
F019868	< 0.005	
F019869	< 0.005	
F019870	> 10.0	13.9
F019871	< 0.005	
F019872	< 0.005	
F019873	< 0.005	
F019874	< 0.005	
F019875	< 0.005	
F019876	< 0.005	
F019877	< 0.005	
F019878	< 0.005	
F019879	< 0.005	
F019880	< 0.005	
F019881	< 0.005	
F019882	0.005	
F019883	< 0.005	
F019884	< 0.005	
F019885	< 0.005	
F019886	< 0.005	
F019887	< 0.005	
F019888	< 0.005	
F019889	< 0.005	
F019890	3.09	
F019891	< 0.005	
F019892	< 0.005	
F018513	3.73	
F018514	> 10.0	20.0
F018515	0.934	
F018516	0.409	
F018517	0.632	
F018518	0.118	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018519	0.661	
F018520	< 0.005	
F018521	2.13	
F018522	0.727	
F018523	6.13	
F018524	0.126	
F018525	0.007	
F018526	0.029	
F018527	0.005	
F018528	0.009	
F018529	0.005	
F018530	6.81	
F018531	0.036	
F018532	0.073	
F018533	0.035	
F018534	0.023	
F018535	0.135	
OREAS 224 (Fire Assay) Meas		2.13
OREAS 224 (Fire Assay) Cert		2.15
OREAS 224 (Fire Assay) Meas		2.12
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.18	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire	1.22	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.327	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.327	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.342	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.338	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.333	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.344	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
F019781 Orig	< 0.005	
F019781 Dup	< 0.005	
F019791 Orig	0.005	
F019791 Dup	0.005	
F019801 Orig	0.010	
F019801 Dup	0.006	
F019816 Orig	0.041	
F019816 Dup	0.014	
F019821 Orig	0.005	
F019821 Split	0.006	
F019825 Orig	0.006	
F019825 Dup	0.005	
F019835 Orig	0.029	
F019835 Dup	0.048	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019851 Orig	< 0.005	
F019851 Dup	< 0.005	
F019860 Orig	< 0.005	
F019860 Dup	< 0.005	
F019871 Orig	< 0.005	
F019871 Split	< 0.005	
F019871 Orig	< 0.005	
F019871 Dup	< 0.005	
F019884 Orig	< 0.005	
F019884 Dup	< 0.005	
F018514 Orig	> 10.0	
F018514 Dup	> 10.0	
F018524 Orig	0.126	
F018524 Dup	0.091	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	24-Jul-19
Invoice No.:	A19-09590-ReAssay
Invoice Date:	02-Aug-19
Your Reference:	MW5185 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

Code 1A3-Geraldton Au - Fire Assay Gravimetric

REPORT **A19-09590-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019881	< 0.005	
F019882	< 0.005	
F019883	< 0.005	
F019884	< 0.005	
F019885	< 0.005	
F019886	< 0.005	
F019887	< 0.005	
F019888	< 0.005	
F019889	< 0.005	
F019890	3.46	
F019891	< 0.005	
F019892	< 0.005	
F018513	3.50	
F018514	> 10.0	21.2
F018515	0.960	
F018516	0.393	
F018517	0.585	
F018518	0.142	
F018519	0.784	
OREAS 224 (Fire Assay) Meas		2.21
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.21	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire Assay) Meas	0.341	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-19
Invoice No.: A19-09591
Invoice Date: 28-Jul-19
Your Reference: MW5189 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton Au - Fire Assay AA

REPORT **A19-09591**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F018536	0.034	
F018537	0.038	
F018538	0.065	
F018539	0.040	
F018540	< 0.005	
F018541	0.226	
F018542	0.016	
F018543	0.078	
F018544	0.083	
F018545	0.040	
F018546	0.300	
F018547	0.295	
F018548	0.369	
F018549	0.118	
F018550	0.476	
F018551	0.060	
F018552	0.064	
F018553	0.042	
F018554	0.032	
F018555	0.055	
F018556	0.026	
F018557	0.183	
F018558	0.035	
F018559	0.028	
F018560	< 0.005	
F018561	0.066	
F018562	0.009	
F019893	0.330	
F019894	0.430	
F019895	0.463	
F019896	0.021	
F019897	0.376	
F019898	0.225	
F019899	0.005	
F019900	< 0.005	
F019901	0.196	
F019902	0.009	
F019903	0.006	
F019904	< 0.005	
F019905	0.009	
F019906	< 0.005	
F019907	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019908	< 0.005	
F019909	0.019	
F019910	3.35	
F019911	< 0.005	
F019912	0.005	
F019913	0.010	
F019914	0.110	
F019915	0.067	
F019916	0.057	
F019917	< 0.005	
F019918	0.007	
F019919	< 0.005	
F019920	< 0.005	
F019921	0.006	
F019922	0.008	
F019923	0.005	
F019924	0.006	
F019925	< 0.005	
F019926	0.100	
F019927	0.010	
F019928	0.009	
F019929	0.005	
F019930	7.53	
F019931	0.018	
F019932	0.005	
F019933	< 0.005	
F019934	0.391	
F019935	0.010	
F019936	0.007	
F019937	< 0.005	
F019938	0.015	
F019939	0.013	
F019940	< 0.005	
F019941	< 0.005	
F019942	0.032	
F019943	0.018	
F019944	0.008	
F019967	0.013	
F019968	0.006	
F019969	0.009	
F019970	> 10.0	14.5
F019971	0.013	
F019972	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019973	0.009	
F019974	0.008	
F019975	0.006	
F019976	0.010	
F019977	0.006	
F019978	0.006	
F019979	0.009	
F019980	< 0.005	
F019981	0.010	
F019982	0.009	
F019983	0.007	
F019984	< 0.005	
F019985	< 0.005	
F019986	< 0.005	
F019987	0.005	
F019988	< 0.005	
F019989	0.009	
F019990	2.73	
F019991	0.012	
F019992	0.018	
F019993	0.008	
F019994	0.026	
F019995	0.014	
F019996	0.020	
F019997	0.009	
F019998	< 0.005	
F019999	0.005	
F020000	0.008	
F023501	< 0.005	
F023502	< 0.005	
F023503	< 0.005	
F023504	0.011	
F023505	0.022	
F023506	0.011	
F023507	0.016	
F023508	0.009	
F023509	0.010	
F023510	3.33	
F023511	0.014	
F023512	0.012	
F023513	0.018	
F023514	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023515	0.030	
F023516	0.005	
F023517	< 0.005	
F023518	0.015	
F023519	0.031	
F023520	< 0.005	
F023521	0.018	
F023522	< 0.005	
F023523	0.025	
F023524	0.010	
F023525	0.041	
F023526	< 0.005	
F023527	0.014	
F023528	< 0.005	
F023529	0.016	
F023530	6.64	
F023531	< 0.005	
OREAS 224 (Fire Assay) Meas		2.21
OREAS 224 (Fire Assay) Cert		2.15
OREAS 222 (Fire Assay) Meas	1.22	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.19	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.23	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.16	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.25	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 222 (Fire Assay) Meas	1.24	
OREAS 222 (Fire Assay) Cert	1.22	
OREAS 217 (Fire	0.336	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay) Meas		
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.347	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.344	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.343	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.337	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 217 (Fire Assay) Meas	0.348	
OREAS 217 (Fire Assay) Cert	0.338	
OREAS 257 Meas		14.0
OREAS 257 Cert		14.18
F018545 Orig	0.040	
F018545 Dup	0.032	
F018555 Orig	0.055	
F018555 Dup	0.048	
F019895 Orig	0.463	
F019911 Orig	< 0.005	
F019911 Dup	< 0.005	
F019915 Orig	0.067	
F019915 Split	0.100	
F019919 Orig	< 0.005	
F019919 Dup	< 0.005	
F019929 Orig	0.005	
F019929 Dup	0.005	
F019944 Orig	0.008	
F019944 Dup	0.007	
F019976 Orig	0.010	
F019976 Dup	0.010	
F019986 Orig	< 0.005	
F019986 Dup	< 0.005	
F019987 Orig	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F019987 Split	0.005	
F020000 Orig	0.008	
F020000 Dup	< 0.005	
F023511 Orig	0.014	
F023511 Dup	0.013	
F023520 Orig	< 0.005	
F023520 Dup	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	24-Jul-19
Invoice No.:	A19-09591-ReAssay
Invoice Date:	19-Aug-19
Your Reference:	MW5189 Geraldton

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Geraldton QOP AA-Au (Au - Fire Assay AA)

REPORT **A19-09591-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
801 Main Street, P.O. Box 999, Geraldton, Ontario, Canada, P0T 1M0
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E-MAIL Geraldton@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F019981	0.010
F019982	< 0.005
F019983	< 0.005
F019984	< 0.005
F019985	< 0.005
F019986	< 0.005
F019987	0.019
F019988	< 0.005
F019989	0.007
F019990	3.66
F019991	0.010
F019992	< 0.005
F019993	< 0.005
F019994	0.054
F019995	0.012
F019996	0.017
F019997	< 0.005
F019998	< 0.005
F019999	< 0.005
OREAS 222 (Fire Assay) Meas	1.16
OREAS 222 (Fire Assay) Cert	1.22
OREAS 217 (Fire Assay) Meas	0.329
OREAS 217 (Fire Assay) Cert	0.338
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-19
Invoice No.: A19-09602
Invoice Date: 26-Jul-19
Your Reference: MW5187

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

146 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-09602**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021635	< 0.005	
F021636	< 0.005	
F021637	0.007	
F021638	< 0.005	
F021639	< 0.005	
F021640	< 0.005	
F021641	< 0.005	
F021642	< 0.005	
F021643	< 0.005	
F021644	< 0.005	
F021057	0.006	
F021058	< 0.005	
F021059	< 0.005	
F021060	< 0.005	
F021061	< 0.005	
F021062	0.007	
F021063	0.012	
F021064	0.008	
F021065	< 0.005	
F021066	< 0.005	
F021067	< 0.005	
F021068	< 0.005	
F021069	< 0.005	
F021070	> 10.0	14.6
F021071	< 0.005	
F021072	< 0.005	
F021073	< 0.005	
F021074	< 0.005	
F021075	< 0.005	
F021076	< 0.005	
F021077	< 0.005	
F021078	< 0.005	
F021079	< 0.005	
F021080	< 0.005	
F021081	< 0.005	
F021082	< 0.005	
F021083	< 0.005	
F021084	< 0.005	
F021085	< 0.005	
F021086	< 0.005	
F021087	0.088	
F021088	0.114	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021089	0.038	
F021090	3.45	
F021091	0.213	
F021092	0.005	
F021093	0.136	
F021094	0.011	
F021095	0.056	
F021096	0.007	
F021097	< 0.005	
F021098	< 0.005	
F021099	< 0.005	
F021100	< 0.005	
F021101	< 0.005	
F021102	< 0.005	
F021103	< 0.005	
F021104	< 0.005	
F021105	< 0.005	
F021106	< 0.005	
F021107	< 0.005	
F021108	0.041	
F021109	0.035	
F021110	3.35	
F021111	0.053	
F021112	0.088	
F021113	0.104	
F021114	0.077	
F021115	0.046	
F021116	< 0.005	
F021117	0.005	
F021118	0.007	
F021119	< 0.005	
F021120	< 0.005	
F021121	0.009	
F021122	0.016	
F021123	0.035	
F021124	0.033	
F021125	1.81	
F021126	0.657	
F021127	0.058	
F021128	0.006	
F021129	< 0.005	
F021130	7.27	
F021131	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021132	< 0.005	
F021133	< 0.005	
F021134	0.005	
F021135	0.120	
F021136	0.008	
F021137	< 0.005	
F021138	0.008	
F021139	< 0.005	
F021140	< 0.005	
F021141	< 0.005	
F021142	0.017	
F021143	0.024	
F021144	0.036	
F021145	0.018	
F021146	< 0.005	
F021147	0.057	
F021148	< 0.005	
F021149	0.010	
F021150	0.465	
F021151	0.009	
F021152	0.005	
F021153	< 0.005	
F021154	< 0.005	
F021155	< 0.005	
F021156	< 0.005	
F021157	< 0.005	
F021158	< 0.005	
F021159	< 0.005	
F021160	< 0.005	
F021161	< 0.005	
F021162	< 0.005	
F021163	< 0.005	
F021164	0.005	
F021165	< 0.005	
F021166	< 0.005	
F021167	< 0.005	
F021168	0.023	
F021169	< 0.005	
F021170	> 10.0	14.8
F021171	< 0.005	
F021172	< 0.005	
F021173	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021174	< 0.005	
F021175	< 0.005	
F021176	< 0.005	
F021177	< 0.005	
F021178	< 0.005	
F021179	< 0.005	
F021180	< 0.005	
F021181	< 0.005	
F021182	< 0.005	
F021183	< 0.005	
F021184	< 0.005	
F021185	< 0.005	
F021186	< 0.005	
F021187	0.214	
F021188	0.005	
F021189	0.018	
F021190	3.35	
F021191	0.007	
F021192	< 0.005	
OREAS 216 (Fire Assay) Meas		6.71
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.60	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.56	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.49	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.62	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.509	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.534	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.552	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.534	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.524	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.557	
OREAS 218 Cert	0.531	
OREAS 255 (Fire Assay) Meas		4.13
OREAS 255 (Fire Assay) Cert		4.08
F021062 Orig	0.007	
F021062 Dup	0.006	
F021068 Orig	< 0.005	
F021068 Dup	< 0.005	
F021079 Orig	< 0.005	
F021079 Dup	< 0.005	
F021096 Orig	0.007	
F021096 Split	0.007	
F021097 Orig	< 0.005	
F021097 Dup	< 0.005	
F021103 Orig	< 0.005	
F021103 Dup	< 0.005	
F021114 Orig	0.077	
F021114 Dup	0.072	
F021134 Orig	0.005	
F021134 Dup	< 0.005	
F021142 Orig	0.017	
F021142 Dup	0.018	
F021146 Orig	< 0.005	
F021146 Split	0.006	
F021149 Orig	0.010	
F021149 Dup	0.007	
F021159 Orig	< 0.005	
F021159 Dup	< 0.005	
F021169 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021169 Dup	< 0.005	
F021178 Orig	< 0.005	
F021178 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-19
Invoice No.: A19-09603
Invoice Date: 29-Jul-19
Your Reference: MW5190

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-09603**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021193	0.011	
F021194	0.042	
F021195	0.007	
F021196	0.009	
F021197	0.007	
F021198	< 0.005	
F021199	0.008	
F021200	< 0.005	
F021201	0.006	
F021202	< 0.005	
F021203	< 0.005	
F021204	0.005	
F021205	0.022	
F021206	0.014	
F021207	0.017	
F021208	0.005	
F021209	0.005	
F021210	3.54	
F021211	0.103	
F021212	0.091	
F021213	0.059	
F021214	0.013	
F021215	0.164	
F021216	0.005	
F021217	0.005	
F021218	< 0.005	
F021219	0.005	
F021220	< 0.005	
F021221	< 0.005	
F021222	0.009	
F021223	< 0.005	
F021224	< 0.005	
F021225	< 0.005	
F021226	< 0.005	
F021227	< 0.005	
F021228	< 0.005	
F021229	< 0.005	
F021230	6.70	
F021231	0.008	
F021232	< 0.005	
F021233	0.018	
F021234	0.017	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021235	0.006	
F021236	0.013	
F021237	0.015	
F021238	0.016	
F021239	0.018	
F021240	< 0.005	
F021241	0.019	
F021242	0.008	
F021243	< 0.005	
F021244	< 0.005	
F021245	< 0.005	
F021246	< 0.005	
F021247	< 0.005	
F021248	< 0.005	
F021249	< 0.005	
F021250	0.405	
F021251	< 0.005	
F021252	< 0.005	
F021253	< 0.005	
F021254	< 0.005	
F021255	< 0.005	
F021256	< 0.005	
F021257	< 0.005	
F021258	< 0.005	
F021259	< 0.005	
F021260	< 0.005	
F021261	< 0.005	
F021262	< 0.005	
F021263	< 0.005	
F021264	< 0.005	
F021645	< 0.005	
F021646	< 0.005	
F021647	< 0.005	
F021648	< 0.005	
F021649	< 0.005	
F021650	0.503	
F021651	< 0.005	
F021652	< 0.005	
F021653	< 0.005	
F021654	0.006	
F021655	< 0.005	
F021656	0.006	
F021657	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021658	< 0.005	
F021659	< 0.005	
F021660	< 0.005	
F021661	< 0.005	
F021662	< 0.005	
F021663	< 0.005	
F021664	< 0.005	
F021665	< 0.005	
F021666	< 0.005	
F021667	< 0.005	
F021668	< 0.005	
F021669	< 0.005	
F021670	> 10.0	15.0
F021671	< 0.005	
F021672	< 0.005	
F021673	< 0.005	
F021674	< 0.005	
F021675	< 0.005	
F021676	< 0.005	
F021677	< 0.005	
F021678	< 0.005	
F021679	< 0.005	
F021680	< 0.005	
F021681	< 0.005	
F021682	< 0.005	
F021683	< 0.005	
F021684	< 0.005	
F021685	< 0.005	
F021686	< 0.005	
F021687	< 0.005	
F021688	< 0.005	
F021689	< 0.005	
F021690	3.35	
F021691	< 0.005	
F021692	< 0.005	
F021693	< 0.005	
F021694	< 0.005	
F021695	< 0.005	
F021696	< 0.005	
F021697	< 0.005	
F021698	< 0.005	
F021699	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021700	< 0.005	
F021701	< 0.005	
F021702	< 0.005	
F021703	< 0.005	
F021704	< 0.005	
F021705	< 0.005	
F021706	< 0.005	
F021707	< 0.005	
F021708	< 0.005	
F021709	< 0.005	
F021710	3.40	
F021711	< 0.005	
F021712	< 0.005	
F021713	< 0.005	
F021714	< 0.005	
F021715	< 0.005	
F021716	< 0.005	
OREAS 216 (Fire Assay) Meas		6.71
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.43	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.40	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.43	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.506	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.504	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.503	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.514	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.514	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.12
OREAS 255 (Fire Assay) Cert		4.08
F021208 Orig	0.005	
F021208 Dup	0.005	
F021214 Orig	0.013	
F021214 Dup	0.009	
F021226 Orig	< 0.005	
F021226 Dup	< 0.005	
F021242 Orig	0.008	
F021242 Split	0.005	
F021242 Split	0.005	
F021249 Orig	< 0.005	
F021249 Dup	< 0.005	
F021259 Orig	< 0.005	
F021259 Dup	< 0.005	
F021657 Orig	< 0.005	
F021657 Dup	< 0.005	
F021663 Orig	< 0.005	
F021663 Dup	< 0.005	
F021672 Orig	< 0.005	
F021672 Split	< 0.005	
F021674 Orig	< 0.005	
F021674 Dup	< 0.005	
F021691 Orig	< 0.005	
F021691 Dup	< 0.005	
F021698 Orig	< 0.005	
F021698 Dup	< 0.005	
F021709 Orig	< 0.005	
F021709 Dup	< 0.005	
F021716 Orig	< 0.005	
F021716 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 24-Jul-19
Invoice No.: A19-09604
Invoice Date: 29-Jul-19
Your Reference: MW5193

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

147 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-09604**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021717	0.006	
F021718	0.005	
F021719	0.005	
F021720	< 0.005	
F021721	0.126	
F021722	0.006	
F021723	0.006	
F021724	0.012	
F021725	0.006	
F021726	0.005	
F021727	< 0.005	
F021728	0.006	
F021729	0.006	
F021730	7.15	
F021731	0.006	
F021732	< 0.005	
F021733	0.007	
F021734	< 0.005	
F021735	0.009	
F021736	0.005	
F021737	0.012	
F021738	0.011	
F021739	< 0.005	
F021740	< 0.005	
F021741	< 0.005	
F021742	0.011	
F021743	0.026	
F021744	0.044	
F021745	0.365	
F021746	0.090	
F021747	0.048	
F021748	0.018	
F021749	0.007	
F021750	0.444	
F021751	0.030	
F021752	0.010	
F021753	0.008	
F021754	0.011	
F021755	0.012	
F021756	0.013	
F021757	0.008	
F021758	0.022	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021759	0.008	
F021760	< 0.005	
F021761	0.061	
F021762	0.008	
F021763	0.023	
F021764	0.014	
F021765	0.029	
F021766	0.048	
F021767	0.022	
F021768	0.024	
F021769	0.061	
F021770	> 10.0	14.4
F021771	0.018	
F021772	0.065	
F021773	0.020	
F021774	0.018	
F021775	0.013	
F021776	< 0.005	
F021777	< 0.005	
F021778	0.007	
F021779	0.018	
F021780	< 0.005	
F021265	0.008	
F021266	0.009	
F021267	0.016	
F021268	0.024	
F021269	0.067	
F021270	> 10.0	14.5
F021271	0.016	
F021272	0.110	
F021273	0.022	
F021274	0.010	
F021275	0.133	
F021276	0.025	
F021277	0.131	
F021278	0.071	
F021279	0.054	
F021280	< 0.005	
F021281	< 0.005	
F021282	0.017	
F021283	0.015	
F021284	0.026	
F021285	0.022	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021286	0.020	
F021287	0.018	
F021288	< 0.005	
F021289	0.005	
F021290	3.34	
F021291	0.006	
F021292	0.009	
F021293	< 0.005	
F021294	0.015	
F021295	0.051	
F021296	0.083	
F021297	0.010	
F021298	0.172	
F021299	0.008	
F021300	< 0.005	
F021301	0.250	
F021302	0.224	
F021303	0.470	
F021304	0.326	
F021305	0.104	
F021306	0.036	
F021307	0.764	
F021308	0.008	
F021309	0.011	
F021310	3.48	
F021311	0.029	
F021312	0.012	
F021313	< 0.005	
F021314	0.052	
F021315	< 0.005	
F021316	0.236	
F021317	0.116	
F021318	0.053	
F021319	0.017	
F021320	< 0.005	
F021321	0.025	
F021322	0.038	
F021323	0.135	
F021324	0.238	
F021325	< 0.005	
F021326	< 0.005	
F021327	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021328	0.006	
F021329	< 0.005	
F021330	6.95	
F021331	0.005	
F021332	0.009	
F021333	< 0.005	
F021334	< 0.005	
F021335	0.006	
F021336	< 0.005	
F021337	< 0.005	
F021338	< 0.005	
F021339	< 0.005	
F021340	< 0.005	
F021341	0.005	
F021342	< 0.005	
F021343	< 0.005	
F021344	< 0.005	
F021345	< 0.005	
F021346	< 0.005	
F021347	< 0.005	
OREAS 216 (Fire Assay) Meas		6.71
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.58	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.58	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.48	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.515	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.523	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.517	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.519	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.519	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.12
OREAS 255 (Fire Assay) Cert		4.08
F021732 Orig	< 0.005	
F021732 Dup	< 0.005	
F021739 Orig	< 0.005	
F021739 Dup	0.006	
F021751 Orig	0.030	
F021751 Dup	0.022	
F021766 Orig	0.048	
F021766 Split	0.050	
F021766 Split	0.050	
F021773 Orig	0.020	
F021773 Dup	0.024	
F021268 Orig	0.024	
F021268 Dup	0.022	
F021273 Orig	0.022	
F021273 Dup	0.020	
F021291 Orig	0.006	
F021291 Dup	0.006	
F021301 Orig	0.250	
F021301 Split	0.295	
F021302 Orig	0.224	
F021302 Dup	0.256	
F021314 Orig	0.052	
F021314 Dup	0.040	
F021323 Orig	0.135	
F021323 Dup	0.111	
F021332 Orig	0.009	
F021332 Dup	0.008	
F021339 Orig	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021339 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 31-Jul-19
Invoice No.: A19-09855
Invoice Date: 12-Aug-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

141 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-09855**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023532	0.009	
F023533	0.019	
F023534	0.009	
F023535	0.019	
F023536	0.010	
F023537	0.058	
F023538	< 0.005	
F023539	0.009	
F023540	< 0.005	
F023541	0.029	
F023542	0.009	
F023543	0.014	
F023544	0.028	
F023545	0.013	
F023546	0.005	
F023547	0.005	
F023548	< 0.005	
F023549	< 0.005	
F023550	0.501	
F023551	0.007	
F023552	0.006	
F023553	0.005	
F023554	0.008	
F023555	0.006	
F023556	0.009	
F023557	< 0.005	
F023558	< 0.005	
F023559	< 0.005	
F023560	< 0.005	
F023561	< 0.005	
F023562	< 0.005	
F023563	< 0.005	
F023564	< 0.005	
F023565	< 0.005	
F023566	< 0.005	
F023567	< 0.005	
F023568	0.007	
F023569	< 0.005	
F023570	> 10.0	14.4
F023571	0.007	
F023572	0.005	
F023573	0.008	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023574	0.005	
F023575	0.012	
F023576	0.006	
F023577	< 0.005	
F023578	0.005	
F023579	0.006	
F023580	< 0.005	
F023581	0.009	
F023582	0.039	
F023583	< 0.005	
F023584	0.009	
F023585	0.006	
F023586	0.010	
F023587	0.245	
F023588	0.012	
F023589	0.022	
F023590	3.60	
F023591	0.009	
F023592	0.006	
F023593	< 0.005	
F023594	0.058	
F023595	< 0.005	
F023596	< 0.005	
F023597	< 0.005	
F023598	0.011	
F023599	0.025	
F023600	< 0.005	
F023601	0.007	
F023602	0.021	
F023603	< 0.005	
F023604	0.019	
F023605	0.191	
F023606	0.009	
F023607	0.008	
F023608	0.006	
F023609	< 0.005	
F023610	3.72	
F023611	0.006	
F023612	0.044	
F023613	< 0.005	
F023614	< 0.005	
F023615	< 0.005	
F023616	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023617	0.020	
F023618	0.082	
F023619	0.015	
F023620	< 0.005	
F023621	0.038	
F023622	0.013	
F023623	0.025	
F023624	0.029	
F023625	0.033	
F023626	0.033	
F023627	< 0.005	
F023628	0.010	
F023629	0.007	
F023630	7.04	
F023631	0.022	
F023632	< 0.005	
F023633	0.066	
F023634	0.016	
F023635	0.020	
F023636	< 0.005	
F023637	0.017	
F023638	0.047	
F023639	< 0.005	
F023640	< 0.005	
F023641	0.005	
F023642	0.011	
F023643	0.006	
F023644	0.024	
F023645	0.006	
F023646	0.007	
F023647	0.102	
F023648	0.005	
F023649	< 0.005	
F023650	0.477	
F023651	< 0.005	
F023652	< 0.005	
F023653	< 0.005	
F023654	< 0.005	
F023655	< 0.005	
F023656	< 0.005	
F023657	< 0.005	
F023658	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023659	< 0.005	
F023660	< 0.005	
F023661	< 0.005	
F023662	< 0.005	
F023663	< 0.005	
F023664	< 0.005	
F023665	< 0.005	
F023666	< 0.005	
F023667	< 0.005	
F023668	< 0.005	
F023669	< 0.005	
F023670	> 10.0	14.4
F023671	< 0.005	
F023672	< 0.005	
OREAS 216 (Fire Assay) Meas		6.73
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.68	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.59	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.54	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.519	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.518	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.540	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.511	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Cert	0.531	
OREAS 257 Meas		13.9
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.23
OREAS 255 (Fire Assay) Cert		4.08
F023542 Orig	0.009	
F023542 Dup	0.009	
F023551 Orig	0.007	
F023551 Dup	0.006	
F023559 Orig	< 0.005	
F023559 Dup	< 0.005	
F023581 Orig	0.009	
F023581 Split	0.007	
F023581 Split	0.007	
F023588 Orig	0.012	
F023588 Dup	0.013	
F023599 Orig	0.025	
F023599 Dup	0.020	
F023616 Orig	0.006	
F023616 Dup	0.005	
F023623 Orig	0.025	
F023623 Dup	0.029	
F023631 Orig	0.022	
F023631 Split	0.010	
F023633 Orig	0.066	
F023633 Dup	0.066	
F023644 Orig	0.024	
F023644 Dup	0.022	
F023651 Orig	< 0.005	
F023651 Dup	< 0.005	
F023656 Orig	< 0.005	
F023656 Dup	< 0.005	
F023668 Orig	< 0.005	
F023668 Dup	< 0.005	
F023671 Orig	< 0.005	
F023671 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 31-Jul-19
Invoice No.: A19-09864
Invoice Date: 09-Aug-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-09864**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023872	0.005	
F023873	0.009	
F023874	0.007	
F023875	< 0.005	
F023876	< 0.005	
F023877	< 0.005	
F023878	< 0.005	
F023879	< 0.005	
F023880	< 0.005	
F023881	< 0.005	
F023882	0.005	
F023883	0.008	
F023884	0.005	
F023885	< 0.005	
F023886	0.005	
F023887	0.006	
F023888	0.006	
F023889	0.010	
F023890	3.80	
F023891	0.020	
F023892	0.015	
F023893	0.006	
F023894	0.007	
F023895	0.008	
F023896	0.006	
F023897	0.006	
F023898	0.015	
F023899	0.045	
F023900	< 0.005	
F023901	0.030	
F023902	0.008	
F023903	0.006	
F023904	0.011	
F023905	0.022	
F023906	0.022	
F023907	0.006	
F023908	0.006	
F023909	0.005	
F023910	3.63	
F023911	0.009	
F023912	0.010	
F023913	0.008	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023914	0.006	
F023915	0.007	
F023916	0.009	
F023917	0.020	
F023918	0.009	
F023919	0.008	
F023920	< 0.005	
F023921	0.005	
F023922	0.006	
F023923	0.005	
F023924	0.006	
F023925	0.006	
F023926	0.005	
F023927	0.007	
F023928	0.010	
F023929	0.006	
F023930	7.40	
F023931	0.007	
F023932	0.007	
F023933	0.006	
F023934	0.008	
F023935	< 0.005	
F023936	0.006	
F023937	0.006	
F023938	0.005	
F023939	0.005	
F023940	< 0.005	
F023941	0.009	
F023942	0.007	
F023943	0.005	
F023944	0.008	
F023945	0.007	
F023946	0.009	
F023947	0.007	
F023948	0.008	
F023949	0.008	
F023950	0.421	
F023951	0.006	
F023952	0.005	
F023953	0.011	
F023954	0.013	
F023955	0.016	
F023956	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023957	0.005	
F023958	< 0.005	
F023959	< 0.005	
F023960	< 0.005	
F023961	< 0.005	
F023962	< 0.005	
F023963	0.005	
F023964	0.005	
F023965	< 0.005	
F023966	< 0.005	
F023967	0.005	
F023968	< 0.005	
F023969	0.006	
F023970	> 10.0	14.7
F023971	0.007	
F023972	0.005	
F023973	0.011	
F023974	< 0.005	
F023975	0.005	
F023976	0.005	
F023977	< 0.005	
F023978	< 0.005	
F023979	0.005	
F023980	< 0.005	
F023981	0.005	
F023982	0.005	
F023983	0.005	
F023984	< 0.005	
F023985	< 0.005	
F023986	< 0.005	
F023987	0.007	
F023988	0.005	
F023989	0.006	
F023990	3.46	
F023991	0.006	
F023992	0.006	
F023993	0.005	
F023994	0.007	
F023995	0.005	
F023996	0.005	
F023997	< 0.005	
F023998	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023999	< 0.005	
F024000	< 0.005	
F024001	< 0.005	
F024002	< 0.005	
F024003	0.005	
F024004	0.005	
F024005	0.006	
F024006	0.007	
F024007	0.078	
F024008	0.008	
F024009	0.040	
F024010	3.58	
F024011	0.009	
F024012	0.005	
F024013	0.005	
F024014	< 0.005	
F024015	0.005	
OREAS 216 (Fire Assay) Meas		6.84
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.57	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.64	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.61	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.64	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.58	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.523	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.528	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.523	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.533	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.502	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.502	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.7
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.21
OREAS 255 (Fire Assay) Cert		4.08
F023887 Orig	0.006	
F023887 Dup	0.006	
F023894 Orig	0.007	
F023894 Dup	0.008	
F023905 Orig	0.022	
F023905 Dup	0.022	
F023921 Orig	0.005	
F023921 Split	0.006	
F023921 Split	0.006	
F023927 Orig	0.007	
F023927 Dup	0.007	
F023939 Orig	0.005	
F023939 Dup	0.006	
F023956 Orig	< 0.005	
F023956 Dup	< 0.005	
F023962 Orig	< 0.005	
F023962 Dup	< 0.005	
F023971 Orig	0.007	
F023971 Split	0.005	
F023973 Orig	0.011	
F023973 Dup	0.007	
F023989 Orig	0.006	
F023989 Dup	0.006	
F023996 Orig	0.005	
F023996 Dup	0.006	
F024008 Orig	0.008	
F024008 Dup	0.009	
F024014 Orig	< 0.005	
F024014 Dup	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03
Method Blank	0.005	
Method Blank	< 0.005	

Quality Analysis ... *Innovative Technologies*

Date Submitted:	31-Jul-19
Invoice No.:	A19-09864-ReAssay
Invoice Date:	14-Aug-19
Your Reference:	Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-09864-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023961	< 0.005	
F023962	< 0.005	
F023963	< 0.005	
F023964	< 0.005	
F023965	< 0.005	
F023966	< 0.005	
F023967	< 0.005	
F023968	< 0.005	
F023969	< 0.005	
F023970	> 10.0	14.4
F023971	0.007	
F023972	< 0.005	
F023973	< 0.005	
F023974	< 0.005	
F023975	< 0.005	
F023976	< 0.005	
F023977	< 0.005	
F023978	< 0.005	
F023979	< 0.005	
OREAS 216 (Fire Assay) Meas		6.83
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.40	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.510	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.23
OREAS 255 (Fire Assay) Cert		4.08
F023976 Orig	< 0.005	
F023976 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 31-Jul-19
Invoice No.: A19-09865
Invoice Date: 09-Aug-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden Au - Fire Assay AA

Code 1A3-Dryden Au - Fire Assay Gravimetric (QOP Fire Assay Dryden)

REPORT **A19-09865**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023673	0.007	
F023674	0.006	
F023675	0.007	
F023676	0.005	
F023677	< 0.005	
F023678	0.005	
F023679	< 0.005	
F023680	< 0.005	
F023681	0.007	
F023682	0.006	
F023683	0.005	
F023684	0.016	
F023685	0.006	
F023686	0.006	
F023687	< 0.005	
F023688	< 0.005	
F023689	0.006	
F023690	3.21	
F023691	0.005	
F023692	0.022	
F023693	0.005	
F023694	< 0.005	
F023695	< 0.005	
F023696	< 0.005	
F023697	< 0.005	
F023698	0.162	
F023699	0.005	
F023700	< 0.005	
F023701	< 0.005	
F023702	< 0.005	
F023703	< 0.005	
F023704	< 0.005	
F023705	0.069	
F023706	0.009	
F023707	< 0.005	
F023708	< 0.005	
F023709	< 0.005	
F023710	3.34	
F023711	0.007	
F023712	< 0.005	
F023713	0.006	
F023714	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023715	< 0.005	
F023716	0.030	
F023717	0.018	
F023718	0.038	
F023719	0.044	
F023720	< 0.005	
F023721	0.012	
F023722	< 0.005	
F023723	< 0.005	
F023724	< 0.005	
F023725	< 0.005	
F023726	< 0.005	
F023727	< 0.005	
F023728	< 0.005	
F023729	< 0.005	
F023730	6.80	
F023731	< 0.005	
F023732	< 0.005	
F023733	< 0.005	
F023734	0.007	
F023735	< 0.005	
F023736	0.006	
F023737	0.009	
F023738	0.042	
F023739	0.005	
F023740	< 0.005	
F023741	0.010	
F023742	0.013	
F023743	0.008	
F023744	0.021	
F023745	0.033	
F023746	0.010	
F023747	0.024	
F023748	0.018	
F023749	0.016	
F023750	0.457	
F023751	< 0.005	
F023752	0.006	
F023753	< 0.005	
F023754	< 0.005	
F023755	0.018	
F023756	0.018	
F023757	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023758	0.008	
F023759	0.007	
F023760	< 0.005	
F023761	0.005	
F023762	0.011	
F023763	< 0.005	
F023764	0.006	
F023765	0.014	
F023766	0.018	
F023767	0.025	
F023768	0.026	
F023769	< 0.005	
F023770	> 10.0	13.8
F023771	0.007	
F023772	0.005	
F023773	< 0.005	
F023774	< 0.005	
F023775	0.005	
F023776	0.008	
F023777	< 0.005	
F023778	< 0.005	
F023779	< 0.005	
F023780	< 0.005	
F023781	< 0.005	
F023782	< 0.005	
F023783	< 0.005	
F023784	< 0.005	
F023785	< 0.005	
F023786	< 0.005	
F023787	< 0.005	
F023788	< 0.005	
F023789	< 0.005	
F023790	3.63	
F023791	< 0.005	
F023792	< 0.005	
F023793	0.012	
F023794	< 0.005	
F023795	0.007	
F023796	< 0.005	
F023797	< 0.005	
F023798	0.005	
F023799	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023800	< 0.005	
F023801	< 0.005	
F023802	0.006	
F023803	0.036	
F023804	< 0.005	
F023805	0.032	
F023806	0.010	
F023807	0.006	
F023808	0.088	
F023809	0.042	
F023810	3.24	
F023811	< 0.005	
F023812	0.006	
F023813	0.007	
F023814	0.051	
F023815	0.041	
F023816	0.035	
OREAS 216 (Fire Assay) Meas		6.84
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.63	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.53	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.45	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.544	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.531	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.534	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.541	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.521	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.7
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.16
OREAS 255 (Fire Assay) Cert		4.08
F023688 Orig	< 0.005	
F023688 Dup	< 0.005	
F023694 Orig	< 0.005	
F023694 Dup	0.007	
F023706 Orig	0.009	
F023706 Dup	0.010	
F023722 Orig	< 0.005	
F023722 Split	< 0.005	
F023722 Split	< 0.005	
F023729 Orig	< 0.005	
F023729 Dup	< 0.005	
F023739 Orig	0.005	
F023739 Dup	0.007	
F023763 Orig	< 0.005	
F023763 Dup	0.006	
F023772 Orig	0.005	
F023772 Split	0.015	
F023774 Orig	< 0.005	
F023774 Dup	< 0.005	
F023799 Orig	0.005	
F023799 Dup	0.005	
F023809 Orig	0.042	
F023809 Dup	0.043	
F023811 Orig	< 0.005	
F023811 Dup	0.010	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank	< 0.005	

Quality Analysis ... *Innovative Technologies*

Date Submitted:	31-Jul-19
Invoice No.:	A19-09865-ReAssay
Invoice Date:	16-Aug-19
Your Reference:	Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-09865-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F023681	0.008
F023682	0.009
F023683	0.005
F023684	0.016
F023685	0.007
F023686	0.009
F023687	< 0.005
F023688	0.005
F023689	0.008
F023690	3.46
F023691	0.008
F023692	0.029
F023693	0.007
F023694	0.009
F023695	0.006
F023696	< 0.005
F023697	< 0.005
F023698	0.164
F023699	0.005
F023801	< 0.005
F023802	0.008
F023803	0.030
F023804	< 0.005
F023805	0.033
F023806	0.014
F023807	0.006
F023808	0.082
F023809	0.042
F023810	3.66
F023811	0.006
F023812	0.014
F023813	0.011
F023814	0.060
F023815	0.055
F023816	0.031
OREAS 254 Fire Assay Meas	2.44
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.41
OREAS 254 Fire Assay Cert	2.55
OREAS 218 Meas	0.510

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
OREAS 218 Cert	0.531
OREAS 218 Meas	0.556
OREAS 218 Cert	0.531
F023687 Orig	< 0.005
F023687 Dup	< 0.005
F023698 Orig	0.164
F023698 Dup	0.151
F023816 Orig	0.031
F023816 Dup	0.037
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Aug-19
Invoice No.: A19-10184
Invoice Date: 14-Aug-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10184**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023817	0.815	
F023818	0.221	
F023819	0.035	
F023820	< 0.005	
F023821	0.401	
F023822	0.024	
F023823	0.020	
F023824	0.015	
F023825	0.014	
F023826	< 0.005	
F023827	< 0.005	
F023828	0.013	
F023829	0.021	
F023830	6.57	
F023831	0.023	
F023832	0.007	
F023833	0.006	
F023834	< 0.005	
F023835	< 0.005	
F023836	0.018	
F023837	0.012	
F023838	0.009	
F023839	0.018	
F023840	< 0.005	
F023841	0.342	
F023842	1.13	
F023843	0.314	
F023844	0.068	
F023845	0.110	
F023846	0.233	
F023847	0.553	
F023848	0.038	
F023849	0.028	
F023850	0.493	
F023851	0.008	
F023852	0.009	
F023853	0.009	
F023854	0.006	
F023855	0.006	
F023856	0.016	
F023857	0.005	
F023858	0.007	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F023859	< 0.005	
F023860	< 0.005	
F023861	0.006	
F023862	< 0.005	
F023863	< 0.005	
F023864	0.008	
F023865	0.005	
F023866	0.030	
F023867	0.023	
F023868	0.012	
F023869	0.007	
F023870	> 10.0	14.2
F023871	0.032	
OREAS 216 (Fire Assay) Meas		6.83
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.44	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.44	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.564	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.23
OREAS 255 (Fire Assay) Cert		4.08
F023832 Orig	0.007	
F023832 Dup	< 0.005	
F023839 Orig	0.018	
F023839 Dup	0.025	
F023851 Orig	0.008	
F023851 Dup	0.008	
F023852 Orig	0.009	
F023852 Dup	0.007	
F023866 Orig	0.030	
F023866 Split	0.006	
F023866 Split	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Aug-19
Invoice No.: A19-10184-ReAssay
Invoice Date: 01-Oct-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

55 Core samples were submitted for analysis.

The following analytical package(s) were requested:		Testing Date:
1A2-GC Musselwhite Dryden	QOP AA-Au (Au - Fire Assay AA)	2019-08-15 16:51:39
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)	

REPORT **A19-10184-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA
SAMPLE	Au
DESCRIPTION	g/mt
F023821	0.404
F023822	0.022
F023823	0.018
F023824	0.016
F023825	0.013
F023826	< 0.005
F023827	< 0.005
F023828	0.014
F023829	0.014
F023830	7.12
F023831	0.032
F023832	0.008
F023833	0.007
F023834	0.008
F023835	0.007
F023836	0.005
F023837	0.009
F023838	0.010
F023839	0.018
OREAS 254 Fire Assay Meas	2.63
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.58
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.55
OREAS 254 Fire Assay Cert	2.55
OREAS 254 Fire Assay Meas	2.40
OREAS 254 Fire Assay Cert	2.55
OREAS 218 Meas	0.535
OREAS 218 Cert	0.531
OREAS 218 Meas	0.532
OREAS 218 Cert	0.531
OREAS 218 Meas	0.528
OREAS 218 Cert	0.531
OREAS 218 Meas	0.559
OREAS 218 Cert	0.531
F023821 Orig	0.624
F023821 Orig	0.404
F023829 Orig	0.014
F023829 Dup	0.013
F023831 Orig	0.032
F023831 Dup	0.034
Method Blank	< 0.005
Method Blank	< 0.005
Method Blank	0.005
Method Blank	< 0.005
Method Blank	< 0.005

Quality Analysis ... *Innovative Technologies*

Date Submitted:	07-Aug-19
Invoice No.:	A19-10189
Invoice Date:	19-Aug-19
Your Reference:	Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

137 Core samples were submitted for analysis.

The following analytical package(s) were requested: Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

REPORT **A19-10189**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024016	0.011	
F024017	< 0.005	
F024018	< 0.005	
F024019	< 0.005	
F024020	< 0.005	
F024021	< 0.005	
F024022	< 0.005	
F024023	< 0.005	
F024024	< 0.005	
F024025	0.006	
F024026	0.009	
F024027	0.008	
F024028	0.007	
F024029	0.008	
F024030	6.97	
F024031	0.011	
F024032	0.010	
F024033	0.020	
F024034	0.007	
F024035	< 0.005	
F024036	< 0.005	
F024037	< 0.005	
F024038	< 0.005	
F024039	< 0.005	
F024040	< 0.005	
F024041	< 0.005	
F024042	< 0.005	
F024043	< 0.005	
F024044	< 0.005	
F024045	< 0.005	
F024046	< 0.005	
F024047	0.015	
F024048	< 0.005	
F024049	0.005	
F024050	0.442	
F024051	0.007	
F024052	< 0.005	
F024053	0.005	
F024054	< 0.005	
F024055	< 0.005	
F024056	0.005	
F024057	0.009	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024058	0.008	
F024059	0.007	
F024060	< 0.005	
F024061	< 0.005	
F024062	0.008	
F024063	0.008	
F024064	0.009	
F024065	0.031	
F024066	0.028	
F024067	0.005	
F024068	< 0.005	
F024069	< 0.005	
F024070	> 10.0	14.5
F024071	0.006	
F024072	0.009	
F024073	0.009	
F024074	0.010	
F024075	0.009	
F024076	0.008	
F024077	0.006	
F024078	< 0.005	
F024079	0.005	
F024080	< 0.005	
F025001	< 0.005	
F025002	< 0.005	
F025003	< 0.005	
F025004	< 0.005	
F025005	< 0.005	
F025006	< 0.005	
F025007	< 0.005	
F025008	< 0.005	
F025009	< 0.005	
F025010	3.62	
F025011	< 0.005	
F025012	< 0.005	
F025013	< 0.005	
F025014	< 0.005	
F025015	< 0.005	
F025016	< 0.005	
F025017	< 0.005	
F025018	< 0.005	
F025019	0.005	
F025020	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F025021	0.006	
F025022	< 0.005	
F025023	0.012	
F025024	< 0.005	
F025025	< 0.005	
F025026	0.006	
F025027	< 0.005	
F025028	< 0.005	
F025029	0.011	
F025030	6.85	
F025031	0.005	
F025032	< 0.005	
F025033	< 0.005	
F025034	< 0.005	
F025035	< 0.005	
F025036	0.013	
F025037	< 0.005	
F025038	< 0.005	
F025039	< 0.005	
F025040	< 0.005	
F025041	0.005	
F025042	< 0.005	
F025043	< 0.005	
F025044	0.007	
F025045	0.013	
F025046	< 0.005	
F025047	0.007	
F025048	0.008	
F025049	0.009	
F025050	0.432	
F025051	0.007	
F025052	0.005	
F025053	0.008	
F025054	0.005	
F025055	< 0.005	
F025056	0.005	
F025057	0.006	
F025058	< 0.005	
F025059	< 0.005	
F025060	< 0.005	
F025061	< 0.005	
F025062	0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F025063	0.006	
F025064	0.006	
F025065	0.006	
F025066	0.005	
F025067	0.006	
F025068	< 0.005	
F025069	< 0.005	
F025070	> 10.0	14.4
F025071	0.011	
F025072	0.007	
OREAS 216 (Fire Assay) Meas		6.69
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.52	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.528	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.511	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.503	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.522	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.08
OREAS 255 (Fire Assay) Cert		4.08
F024038 Orig	< 0.005	
F024038 Dup	< 0.005	
F024049 Orig	0.005	
F024049 Dup	0.005	
F024061 Orig	< 0.005	
F024061 Dup	< 0.005	
F024065 Orig	0.031	
F024065 Split	0.043	
F024066 Orig	0.028	
F024066 Dup	0.033	
F024072 Orig	0.009	
F024072 Dup	0.010	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F025003 Orig	< 0.005	
F025003 Dup	0.005	
F025020 Orig	< 0.005	
F025020 Dup	< 0.005	
F025027 Orig	< 0.005	
F025027 Dup	< 0.005	
F025035 Orig	< 0.005	
F025035 Split	< 0.005	
F025037 Orig	< 0.005	
F025037 Dup	< 0.005	
F025061 Orig	< 0.005	
F025061 Dup	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 07-Aug-19
Invoice No.: A19-10193
Invoice Date: 19-Aug-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10193**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024081	0.007	
F024082	0.006	
F024083	0.005	
F024084	0.013	
F024085	< 0.005	
F024086	0.006	
F024087	< 0.005	
F024088	< 0.005	
F024089	< 0.005	
F024090	3.54	
F024091	0.006	
F024092	0.006	
F024093	0.006	
F024094	0.007	
F024095	0.005	
F024096	0.007	
F024097	< 0.005	
F024098	< 0.005	
F024099	< 0.005	
F024100	< 0.005	
F024101	< 0.005	
F024102	< 0.005	
F024103	< 0.005	
F024104	0.013	
F024105	< 0.005	
F024106	0.015	
F024107	< 0.005	
F024108	< 0.005	
F024109	< 0.005	
F024110	3.49	
F024111	3.02	
F024112	< 0.005	
F024113	< 0.005	
F024114	< 0.005	
F024115	< 0.005	
F024116	< 0.005	
F024117	< 0.005	
F024118	0.013	
F024119	< 0.005	
F024120	< 0.005	
F024121	< 0.005	
F024122	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024123	0.016	
F024124	0.013	
F024125	< 0.005	
F024126	< 0.005	
F024127	< 0.005	
F024128	< 0.005	
F024129	< 0.005	
F024130	6.93	
F024131	< 0.005	
F024132	0.018	
F024133	< 0.005	
F024134	0.006	
F024135	< 0.005	
F024136	0.055	
F024137	0.059	
F024138	< 0.005	
F024139	0.007	
F024140	< 0.005	
F024141	0.040	
F024142	0.021	
F024143	0.011	
F024144	0.006	
F024145	0.028	
F024146	< 0.005	
F024147	< 0.005	
F024148	< 0.005	
F024149	0.060	
F024150	0.424	
F024151	< 0.005	
F024152	< 0.005	
F024153	0.011	
F024154	0.006	
F024155	0.005	
F024156	0.006	
F024157	0.006	
F024158	< 0.005	
F024159	< 0.005	
F024160	< 0.005	
F024161	0.006	
F024162	< 0.005	
F024163	0.029	
F024164	0.006	
F024165	0.016	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024166	< 0.005	
F024167	0.009	
F024168	< 0.005	
F024169	0.005	
F024170	> 10.0	14.4
F024171	0.009	
F024172	0.006	
F024173	0.005	
F024174	0.012	
F024175	0.006	
F024176	< 0.005	
F024177	< 0.005	
F024178	< 0.005	
F024179	0.006	
F024180	< 0.005	
F024181	0.019	
F024182	0.013	
F024183	0.006	
F024184	< 0.005	
F024185	< 0.005	
F024186	< 0.005	
F024187	0.005	
F024188	< 0.005	
F024189	< 0.005	
F024190	3.43	
F024191	0.009	
F024192	< 0.005	
F024193	0.009	
F024194	0.009	
F024195	0.005	
F024196	0.005	
F024197	< 0.005	
F024198	< 0.005	
F024199	< 0.005	
F024200	< 0.005	
F024201	< 0.005	
F024202	< 0.005	
F024203	< 0.005	
F024204	0.006	
F024205	< 0.005	
F024206	< 0.005	
F024207	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024208	< 0.005	
F024209	< 0.005	
F024210	3.46	
F024211	< 0.005	
F024212	< 0.005	
F024213	0.005	
F024214	< 0.005	
F024215	< 0.005	
F024216	< 0.005	
F024217	< 0.005	
F024218	< 0.005	
F024219	< 0.005	
F024220	< 0.005	
F024221	< 0.005	
F024222	< 0.005	
F024223	< 0.005	
F024224	< 0.005	
OREAS 216 (Fire Assay) Meas		6.86
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.55	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.65	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.528	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.521	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.505	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.515	
OREAS 218 Cert	0.531	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Meas	0.520	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.513	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.6
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.22
OREAS 255 (Fire Assay) Cert		4.08
F024096 Orig	0.007	
F024096 Dup	< 0.005	
F024102 Orig	< 0.005	
F024102 Dup	< 0.005	
F024114 Orig	< 0.005	
F024114 Dup	< 0.005	
F024131 Orig	< 0.005	
F024131 Split	< 0.005	
F024131 Orig	< 0.005	
F024131 Dup	< 0.005	
F024136 Orig	0.055	
F024136 Dup	0.050	
F024148 Orig	< 0.005	
F024148 Dup	< 0.005	
F024165 Orig	0.016	
F024165 Dup	0.011	
F024171 Orig	0.009	
F024171 Dup	0.006	
F024179 Orig	0.006	
F024179 Split	< 0.005	
F024182 Orig	0.013	
F024182 Dup	0.013	
F024199 Orig	< 0.005	
F024199 Dup	< 0.005	
F024205 Orig	< 0.005	
F024205 Dup	< 0.005	
F024217 Orig	< 0.005	
F024217 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 09-Aug-19
Invoice No.: A19-10396
Invoice Date: 20-Aug-19
Your Reference: Exploration

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

150 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10396**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
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	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024225	0.007	
F024226	0.007	
F024227	0.005	
F024228	0.007	
F024229	0.007	
F024230	6.63	
F024231	0.008	
F024232	0.010	
F024233	0.007	
F024234	0.009	
F024235	0.022	
F024236	0.009	
F024237	0.006	
F024238	0.008	
F024239	0.006	
F024240	0.008	
F024241	0.009	
F024242	0.009	
F024243	0.009	
F024244	0.008	
F024245	0.009	
F024246	0.009	
F024247	0.007	
F024248	0.006	
F024249	0.008	
F024250	0.418	
F024251	0.011	
F024252	0.012	
F024253	0.007	
F024254	0.006	
F024255	0.005	
F024256	0.005	
F024257	0.009	
F024258	0.008	
F024259	0.022	
F024260	0.006	
F024261	0.038	
F024262	0.014	
F024263	0.007	
F024264	0.006	
F024265	0.021	
F024266	0.012	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024267	0.015	
F024268	0.023	
F024269	0.020	
F024270	> 10.0	14.5
F024271	0.010	
F024272	0.007	
F024273	0.005	
F024274	0.009	
F024275	0.019	
F024276	0.032	
F024277	0.010	
F024278	0.009	
F024279	0.012	
F024280	< 0.005	
F024281	0.005	
F024282	0.005	
F024283	0.005	
F024284	0.008	
F024285	0.012	
F024286	0.008	
F024287	0.012	
F024288	0.005	
F024289	0.006	
F024290	3.33	
F024291	0.008	
F024292	0.006	
F024293	0.010	
F024294	0.006	
F024295	< 0.005	
F024296	0.007	
F024297	0.006	
F024298	0.007	
F024299	0.005	
F024300	< 0.005	
F024301	< 0.005	
F024302	< 0.005	
F024303	< 0.005	
F024304	< 0.005	
F024305	< 0.005	
F024306	< 0.005	
F024307	< 0.005	
F024308	< 0.005	
F024309	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024310	3.32	
F024311	0.006	
F024312	0.009	
F024313	0.005	
F024314	< 0.005	
F024315	0.079	
F024316	0.012	
F024317	0.009	
F024318	0.009	
F024319	0.008	
F024320	< 0.005	
F024321	0.011	
F024322	0.007	
F024323	0.006	
F024324	< 0.005	
F024325	0.005	
F024326	0.062	
F024327	0.005	
F024328	0.005	
F024329	0.005	
F024330	6.67	
F024331	0.006	
F024332	0.008	
F024333	0.018	
F024334	0.005	
F024335	< 0.005	
F024336	0.007	
F024337	< 0.005	
F024338	0.005	
F024339	0.005	
F024340	< 0.005	
F024341	0.006	
F024342	< 0.005	
F024343	< 0.005	
F024344	0.005	
F024345	< 0.005	
F024346	0.010	
F024347	0.029	
F024348	0.054	
F024349	< 0.005	
F024350	0.410	
F024351	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F024352	< 0.005	
F024353	0.006	
F024354	0.014	
F024355	0.008	
F024356	0.011	
F024357	0.010	
F024358	0.007	
F024359	0.006	
F024360	< 0.005	
F024361	0.029	
F024362	0.023	
F024363	0.009	
F024364	0.018	
F024365	0.017	
F024366	0.011	
F024367	0.005	
F024368	< 0.005	
F024369	< 0.005	
F024370	> 10.0	14.3
F024371	0.006	
F024372	0.006	
F024373	0.005	
F024374	0.013	
OREAS 216 (Fire Assay) Meas		6.65
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.44	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.42	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.40	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.510	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.497	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.501	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.03
OREAS 255 (Fire Assay) Cert		4.08
F024240 Orig	0.008	
F024240 Dup	0.007	
F024247 Orig	0.007	
F024247 Dup	0.008	
F024258 Orig	0.008	
F024258 Dup	0.008	
F024274 Orig	0.009	
F024274 Split	0.005	
F024274 Split	0.005	
F024281 Orig	0.005	
F024281 Dup	< 0.005	
F024292 Orig	0.006	
F024292 Dup	0.005	
F024309 Orig	< 0.005	
F024309 Dup	0.005	
F024316 Orig	0.012	
F024316 Dup	0.009	
F024324 Orig	< 0.005	
F024324 Split	< 0.005	
F024326 Orig	0.062	
F024326 Dup	0.063	
F024343 Orig	< 0.005	
F024343 Dup	0.005	
F024349 Orig	< 0.005	
F024349 Dup	< 0.005	
F024361 Orig	0.029	
F024361 Dup	0.029	
F024366 Orig	0.011	
F024366 Dup	0.014	
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Method Blank	< 0.005	
Method Blank	0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted:	12-Aug-19
Invoice No.:	A19-10446
Invoice Date:	19-Aug-19
Your Reference:	Production

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

57 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10446**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021925	< 0.005	
F021926	< 0.005	
F021927	< 0.005	
F021928	0.329	
F021929	0.008	
F021930	7.21	
F021931	0.005	
F021932	< 0.005	
F021933	< 0.005	
F021934	< 0.005	
F021935	0.005	
F021936	0.007	
F021937	0.019	
F021938	< 0.005	
F021939	< 0.005	
F021940	0.006	
F021941	< 0.005	
F021942	0.005	
F021943	< 0.005	
F021944	< 0.005	
F021945	0.108	
F021946	0.017	
F021947	0.006	
F021948	0.011	
F021949	0.022	
F021950	0.443	
F021951	0.013	
F021952	0.005	
F021953	< 0.005	
F021954	< 0.005	
F021955	0.005	
F021956	< 0.005	
F021957	< 0.005	
F021958	< 0.005	
F021959	0.009	
F021960	< 0.005	
F021961	0.011	
F021962	0.012	
F021963	< 0.005	
F021964	0.009	
F021965	< 0.005	
F021966	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021967	< 0.005	
F021968	< 0.005	
F021969	0.006	
F021970	> 10.0	15.1
F021971	0.007	
F021972	0.005	
F021973	0.005	
F021974	0.006	
F021975	0.006	
F021976	0.005	
F021977	0.011	
F021978	< 0.005	
F021979	< 0.005	
F021980	< 0.005	
F021981	0.006	
OREAS 216 (Fire Assay) Meas		6.74
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.69	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.52	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.547	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.531	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.5
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.04
OREAS 255 (Fire Assay) Cert		4.08
F021940 Orig	0.006	
F021940 Dup	< 0.005	
F021947 Orig	0.006	
F021947 Dup	0.010	
F021958 Orig	< 0.005	
F021958 Dup	< 0.005	
F021974 Orig	0.006	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021974 Split	0.007	
F021974 Split	0.007	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 12-Aug-19
Invoice No.: A19-10446-ReAssay
Invoice Date: 23-Sep-19
Your Reference: Production

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

57 Core samples were submitted for analysis.

The following analytical package(s) were requested:

1A2-GC Musselwhite Dryden	QOP AA-Au (Au - Fire Assay AA)
1A3-Dryden	QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10446-ReAssay**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control Coordinator

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021961	0.013	
F021962	0.013	
F021963	0.006	
F021964	0.007	
F021965	0.005	
F021966	0.006	
F021967	0.006	
F021968	0.005	
F021969	0.008	
F021970	> 10.0	14.5
F021971	0.008	
F021972	0.007	
F021973	0.006	
F021974	0.005	
F021975	0.008	
F021976	0.007	
F021977	0.014	
F021978	0.005	
F021979	0.006	
OREAS 216 (Fire Assay) Meas		6.76
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.51	
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.522	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.532	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.6
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.20
OREAS 255 (Fire Assay) Cert		4.08
F021971 Orig	0.008	
F021971 Dup	0.006	
F021974 Orig	0.005	
F021974 Split	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank		< 0.03

Quality Analysis ... *Innovative Technologies*

Date Submitted: 12-Aug-19
Invoice No.: A19-10465
Invoice Date: 21-Aug-19
Your Reference: Production

GOLDCORP Canada Ltd--Musselwhite Mine
P.O. Box 7500
Thunder bay Ontario P7B 6S8
Canada

ATTN: Katie Lucas

CERTIFICATE OF ANALYSIS

144 Core samples were submitted for analysis.

The following analytical package(s) were requested:

Code 1A2-GC Musselwhite Dryden QOP AA-Au (Au - Fire Assay AA)

Code 1A3-Dryden QOP AA-Au (Au - Fire Assay Gravimetric)

REPORT **A19-10465**

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Notes:

If value exceeds upper limit we recommend reassay by fire assay gravimetric-Code 1A3

CERTIFIED BY:

Emmanuel Eseme , Ph.D.
Quality Control

ACTIVATION LABORATORIES LTD.
264 Government Road, Dryden, Ontario, Canada, P8N 2R3
TELEPHONE +807 223-6168 or +1.888.228.5227 FAX +1.905.648.9613
E-MAIL Dryden@actlabs.com ACTLABS GROUP WEBSITE www.actlabs.com

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021781	0.021	
F021782	0.009	
F021783	0.008	
F021784	< 0.005	
F021785	< 0.005	
F021786	< 0.005	
F021787	< 0.005	
F021788	< 0.005	
F021789	0.007	
F021790	3.46	
F021791	0.007	
F021792	0.008	
F021793	< 0.005	
F021794	0.006	
F021795	0.007	
F021796	0.021	
F021797	0.021	
F021798	0.043	
F021799	0.023	
F021800	< 0.005	
F021801	0.025	
F021802	0.122	
F021803	0.006	
F021804	0.008	
F021805	< 0.005	
F021806	< 0.005	
F021807	< 0.005	
F021808	0.005	
F021809	0.006	
F021810	3.47	
F021811	0.007	
F021812	0.525	
F021813	0.120	
F021814	0.029	
F021815	0.022	
F021816	0.010	
F021817	0.049	
F021818	0.011	
F021819	0.011	
F021820	< 0.005	
F021821	0.008	
F021822	0.023	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021823	< 0.005	
F021824	0.036	
F021825	0.061	
F021826	< 0.005	
F021827	0.011	
F021828	0.005	
F021829	0.006	
F021830	7.02	
F021831	0.006	
F021832	0.005	
F021833	< 0.005	
F021834	0.010	
F021835	0.005	
F021836	0.005	
F021837	< 0.005	
F021838	< 0.005	
F021839	0.006	
F021840	< 0.005	
F021841	0.011	
F021842	0.008	
F021843	0.005	
F021844	0.009	
F021845	0.005	
F021846	< 0.005	
F021847	0.119	
F021848	0.154	
F021849	0.017	
F021850	0.420	
F021851	0.061	
F021852	0.045	
F021853	0.078	
F021854	0.028	
F021855	0.015	
F021856	0.051	
F021857	0.023	
F021858	0.034	
F021859	0.122	
F021860	< 0.005	
F021861	0.040	
F021862	0.006	
F021863	0.016	
F021864	0.062	
F021865	0.023	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021866	< 0.005	
F021867	< 0.005	
F021868	< 0.005	
F021869	< 0.005	
F021870	> 10.0	14.7
F021871	0.005	
F021872	0.142	
F021873	0.488	
F021874	0.005	
F021875	< 0.005	
F021876	0.005	
F021877	< 0.005	
F021878	0.041	
F021879	0.005	
F021880	< 0.005	
F021881	< 0.005	
F021882	< 0.005	
F021883	< 0.005	
F021884	< 0.005	
F021885	0.010	
F021886	0.005	
F021887	< 0.005	
F021888	0.005	
F021889	< 0.005	
F021890	3.56	
F021891	0.008	
F021892	< 0.005	
F021893	< 0.005	
F021894	< 0.005	
F021895	0.005	
F021896	< 0.005	
F021897	< 0.005	
F021898	< 0.005	
F021899	< 0.005	
F021900	< 0.005	
F021901	< 0.005	
F021902	0.010	
F021903	< 0.005	
F021904	0.421	
F021905	0.132	
F021906	0.009	
F021907	< 0.005	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021908	< 0.005	
F021909	< 0.005	
F021910	3.42	
F021911	< 0.005	
F021912	< 0.005	
F021913	< 0.005	
F021914	< 0.005	
F021915	< 0.005	
F021916	< 0.005	
F021917	< 0.005	
F021918	< 0.005	
F021919	< 0.005	
F021920	< 0.005	
F021921	0.194	
F021922	0.038	
F021923	< 0.005	
F021924	< 0.005	
OREAS 216 (Fire Assay) Meas		6.64
OREAS 216 (Fire Assay) Cert		6.66
OREAS 254 Fire Assay Meas	2.59	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.57	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.47	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.49	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.68	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire Assay Meas	2.46	
OREAS 254 Fire Assay Cert	2.55	
OREAS 254 Fire	2.41	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
Assay Meas		
OREAS 254 Fire Assay Cert	2.55	
OREAS 218 Meas	0.521	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.532	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.511	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.504	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.514	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.506	
OREAS 218 Cert	0.531	
OREAS 218 Meas	0.501	
OREAS 218 Cert	0.531	
OREAS 257 Meas		14.7
OREAS 257 Cert		14.18
OREAS 255 (Fire Assay) Meas		4.18
OREAS 255 (Fire Assay) Cert		4.08
F021796 Orig	0.021	
F021796 Dup	0.014	
F021803 Orig	0.006	
F021803 Dup	0.006	
F021814 Orig	0.029	
F021814 Dup	0.014	
F021831 Orig	0.006	
F021831 Split	< 0.005	
F021831 Orig	0.006	
F021831 Dup	0.006	
F021837 Orig	< 0.005	
F021837 Dup	< 0.005	
F021848 Orig	0.154	
F021848 Dup	0.120	
F021865 Orig	0.023	
F021865 Dup	0.021	
F021872 Orig	0.142	
F021872 Dup	0.147	
F021873 Orig	0.488	
F021873 Dup	0.484	

	FA-AA	FA-GRA
SAMPLE	Au	Au
DESCRIPTION	g/mt	g/tonne
F021881 Orig	< 0.005	
F021881 Split	< 0.005	
F021882 Orig	< 0.005	
F021882 Dup	< 0.005	
F021899 Orig	< 0.005	
F021899 Dup	< 0.005	
F021904 Orig	0.421	
F021906 Orig	0.009	
F021906 Dup	0.009	
F021917 Orig	< 0.005	
F021917 Dup	< 0.005	
F021919 Orig	< 0.005	
F021919 Dup	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
Method Blank	< 0.005	
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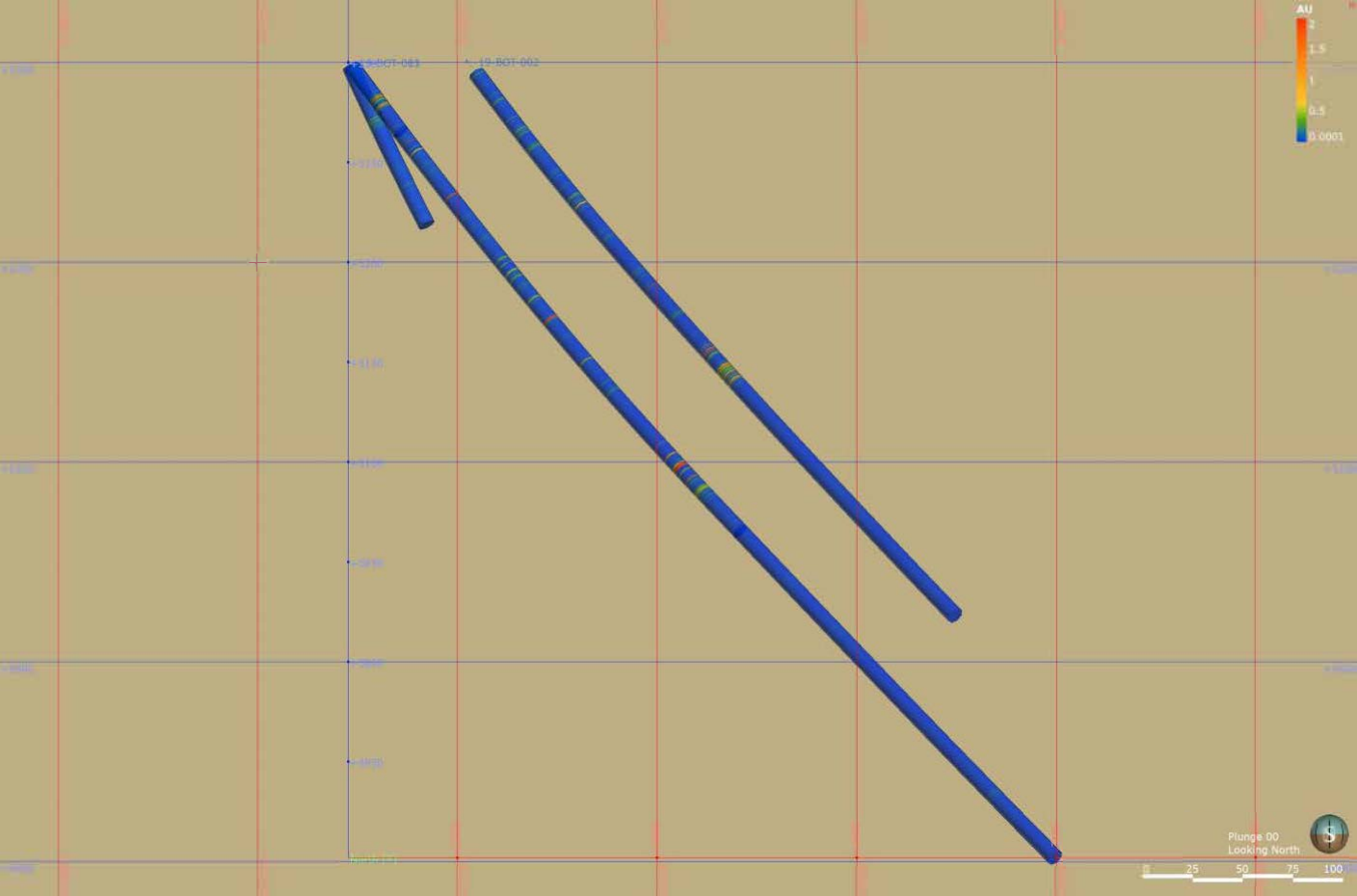
Method Blank	< 0.005	
Method Blank		< 0.03
Method Blank	< 0.005	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Looking North
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25
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75
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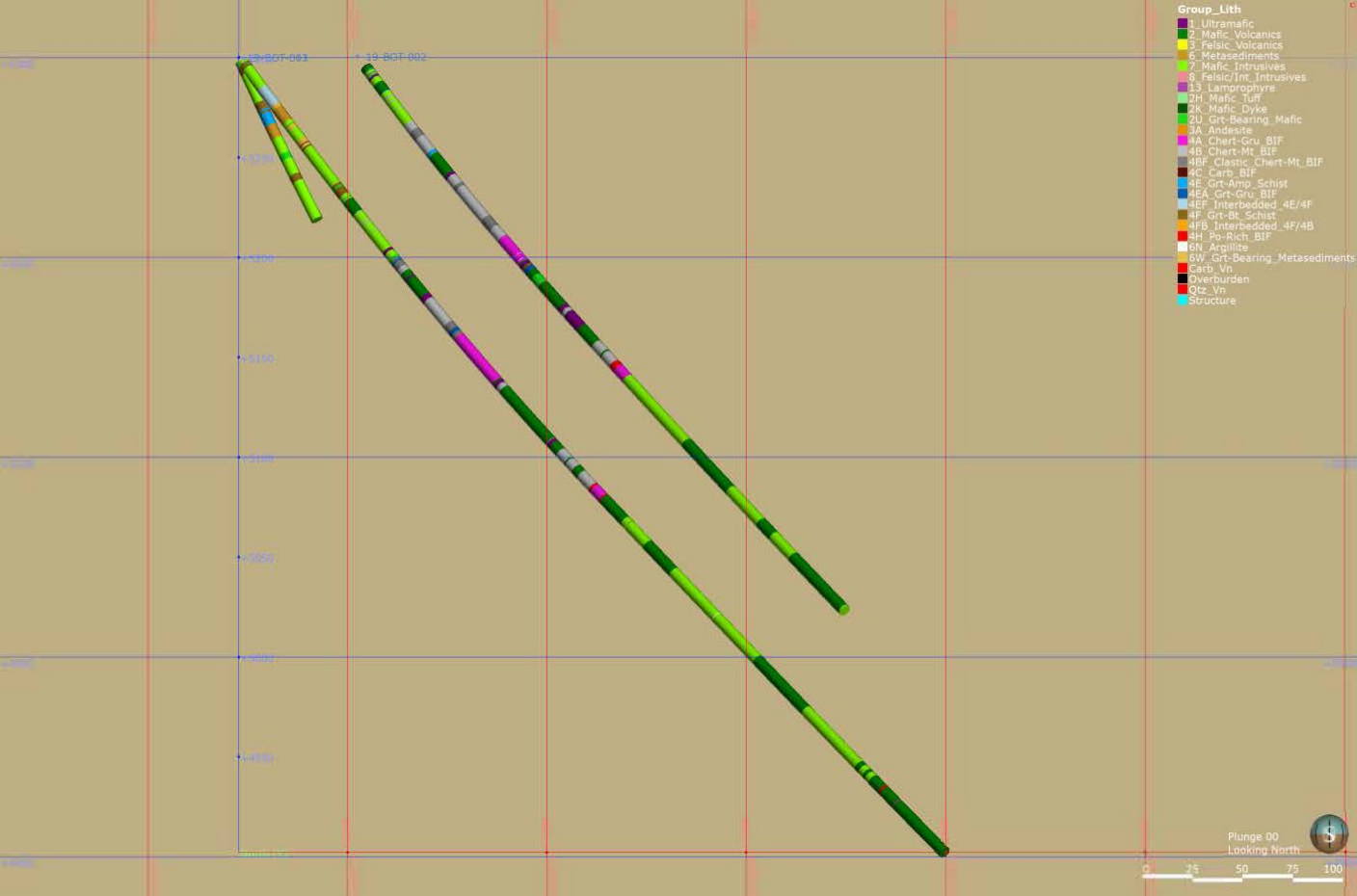
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2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
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75
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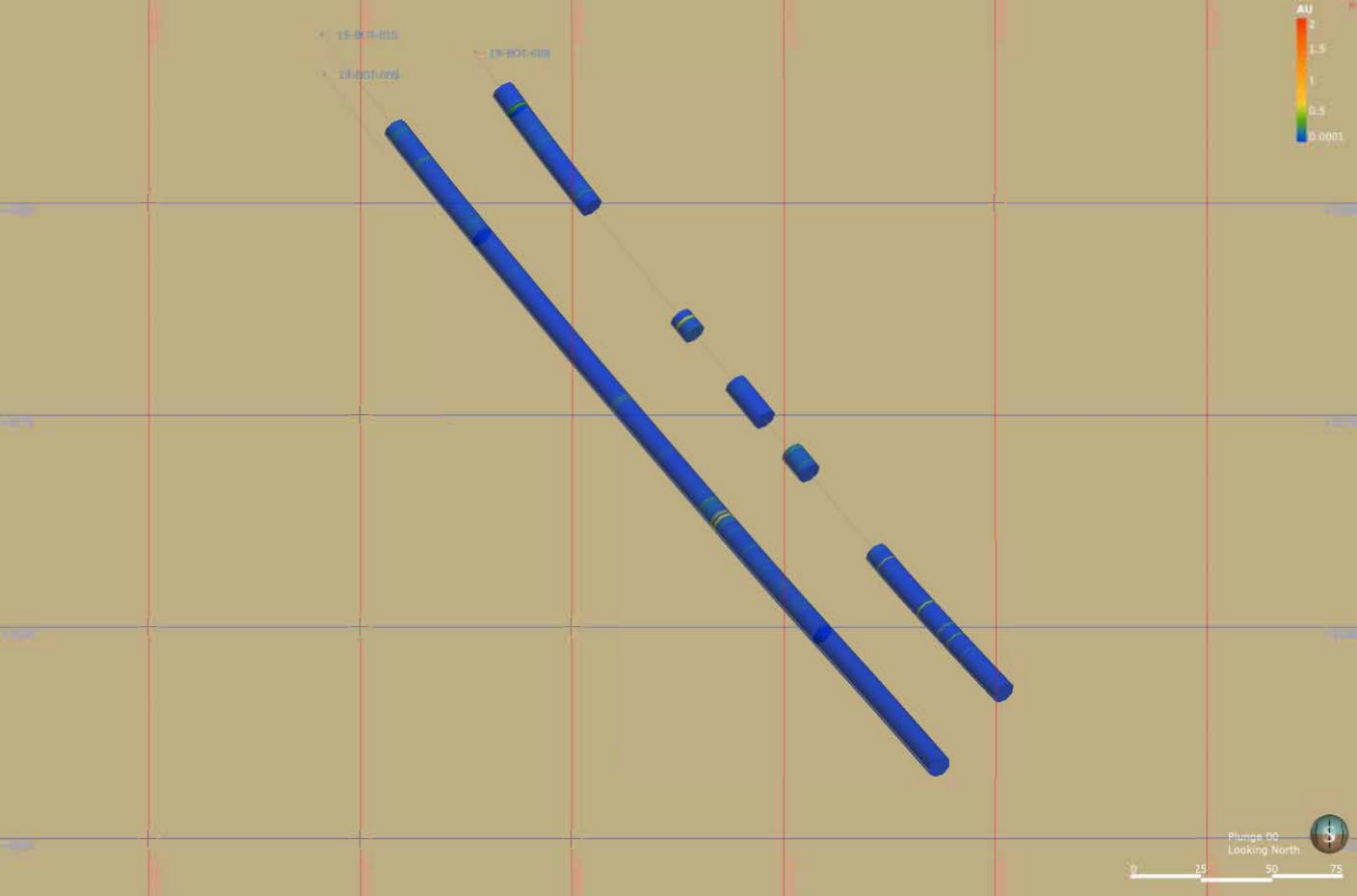
AU
2
1.5
1
0.5
0.0001
Plunge 00
Looking North
0
25
50
75

Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
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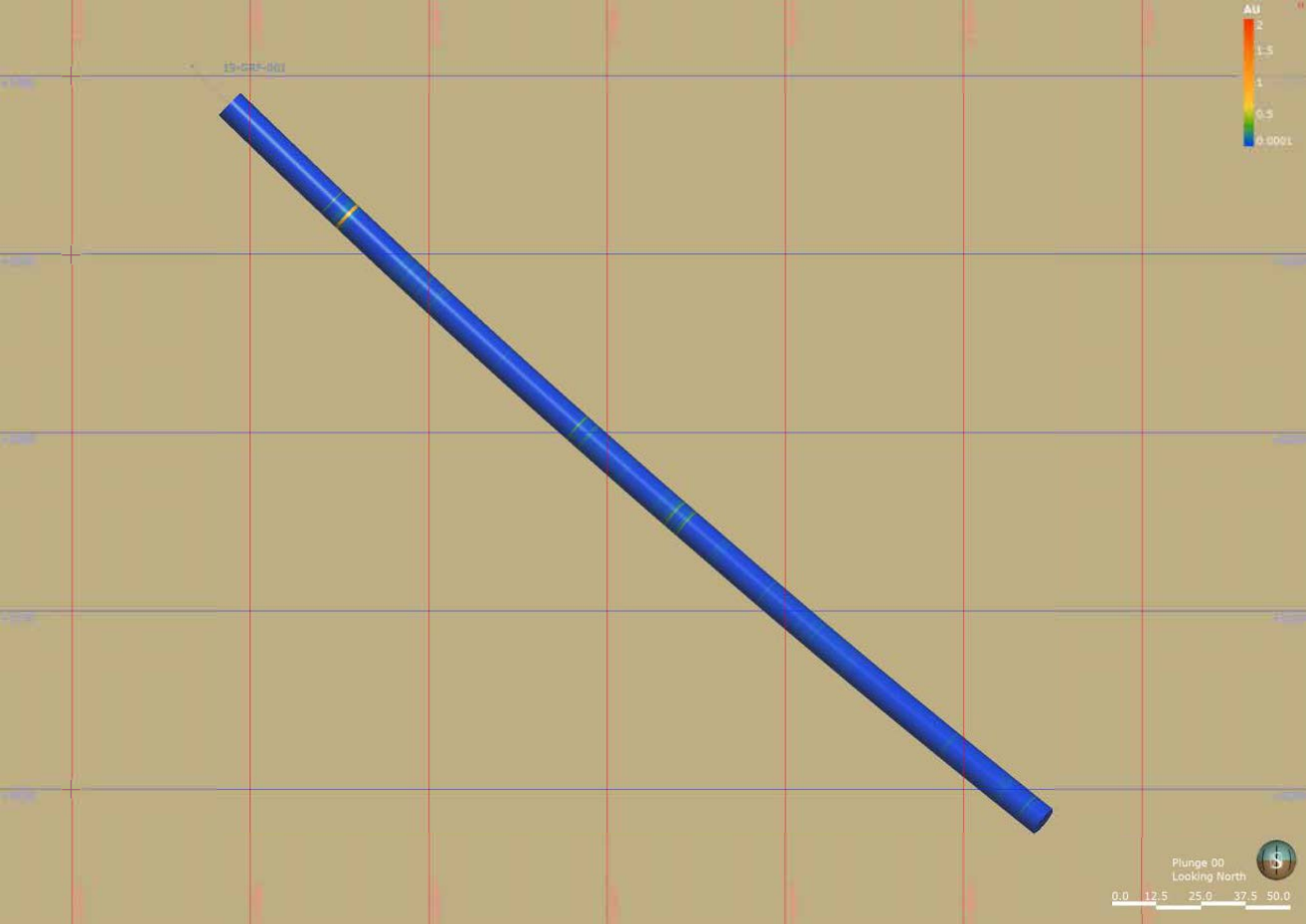
50
75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Plunge 00
Looking North
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37.5
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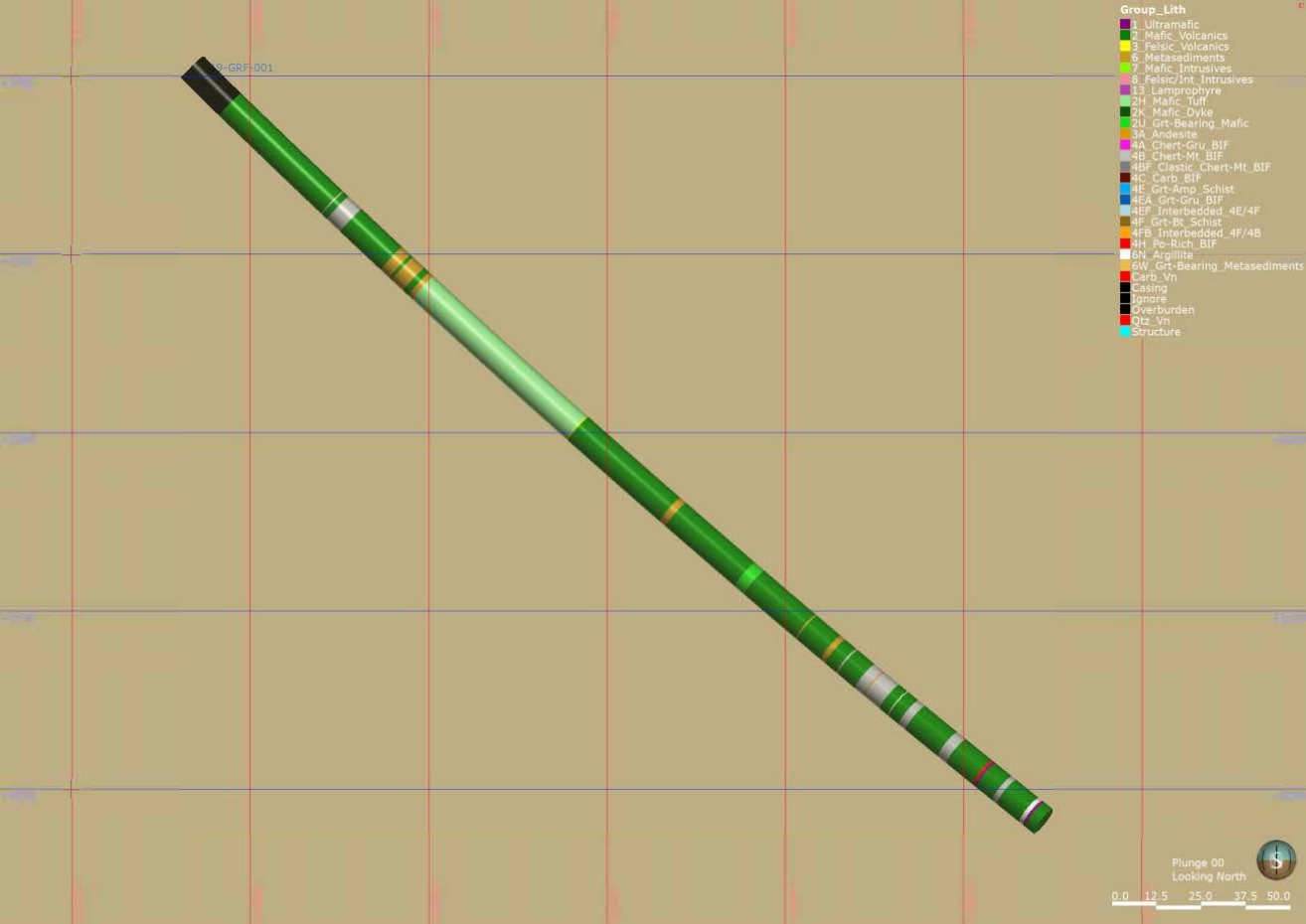
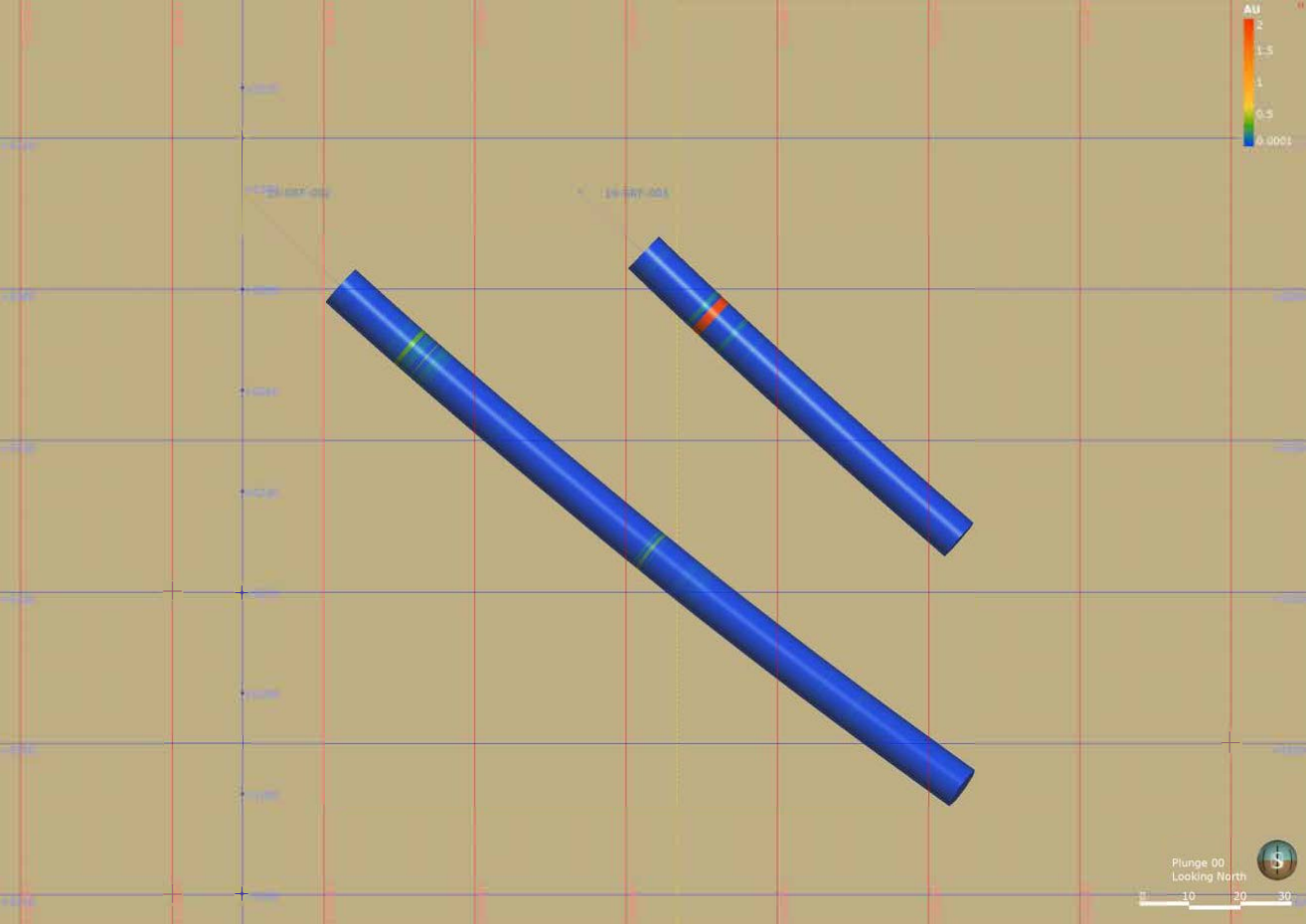

Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Casing
Ignore
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
0.0 12.5 25.0 37.5 50.0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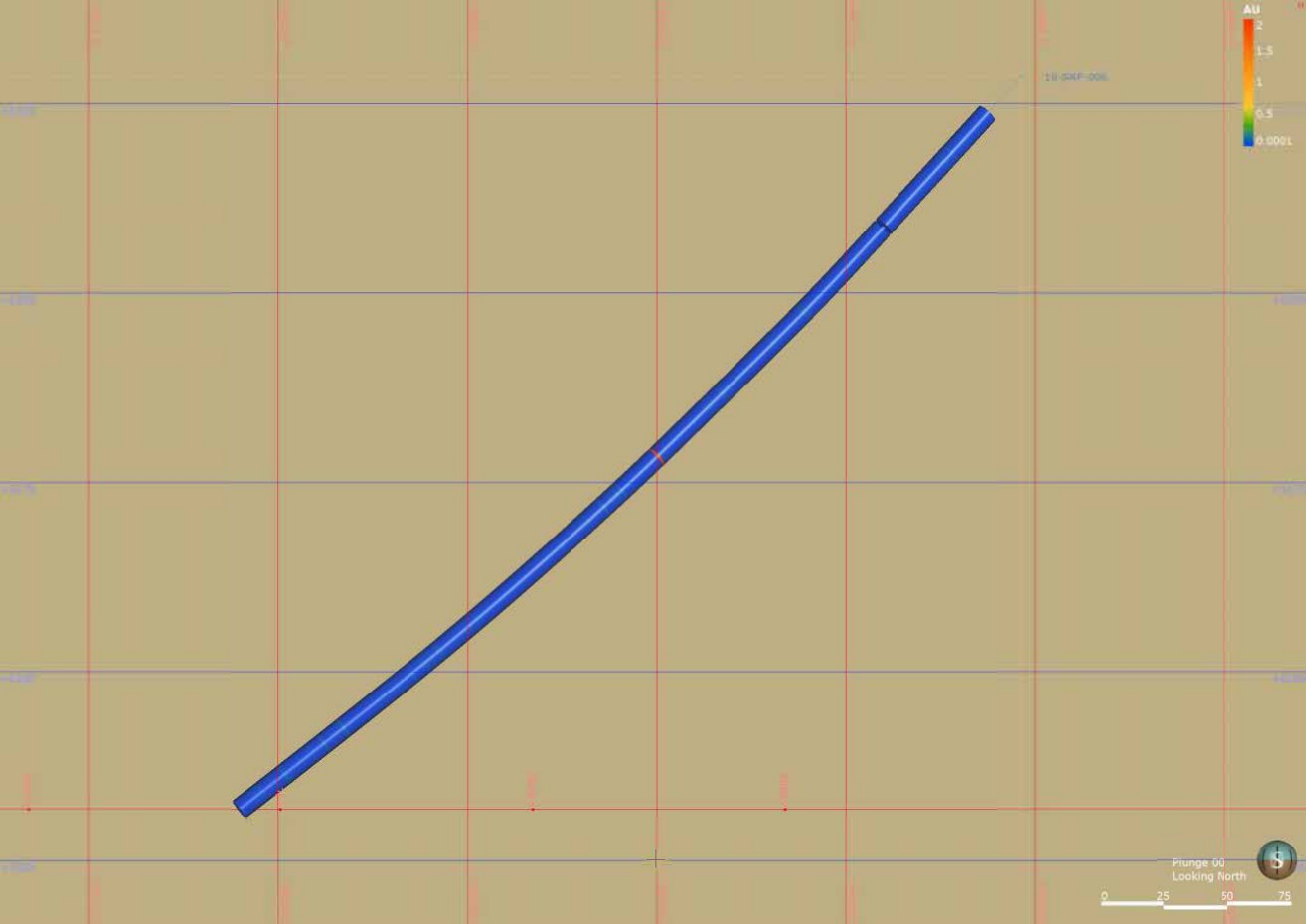
2
1.5
1
0.5
0.0001
Plunge 00
Looking North
0
10
20
30

Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Casing
Ignore
Overburden
Qtz_Vn
Structure
GRF-002
GRF-003
Plunge 00
Looking North
10
20
30


AU
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1
0.5
0.0001
19-SKP-006
Plunge 00
Looking North
0
25
50
75

Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Casing
Ignore
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
0
25
50
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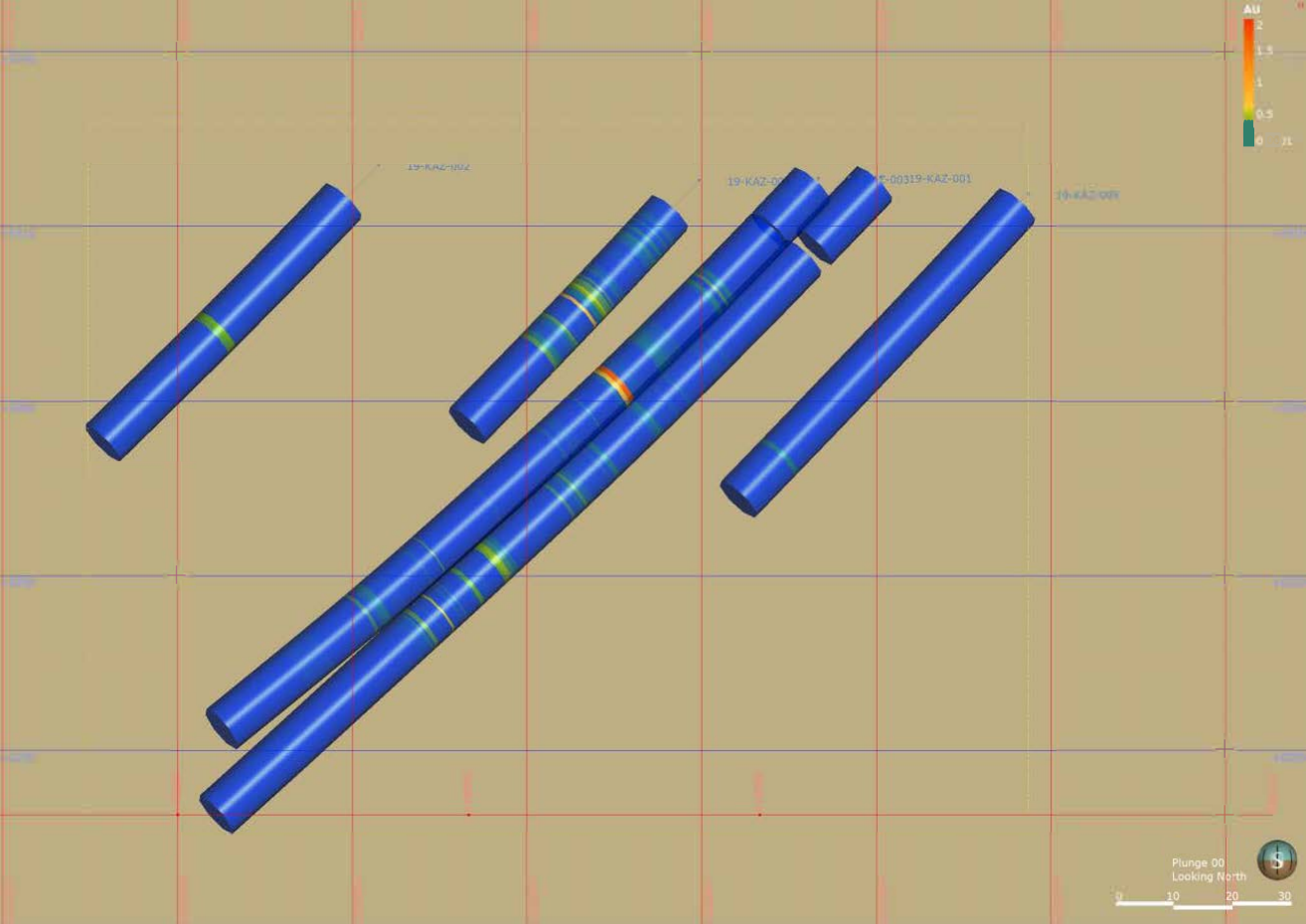
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1
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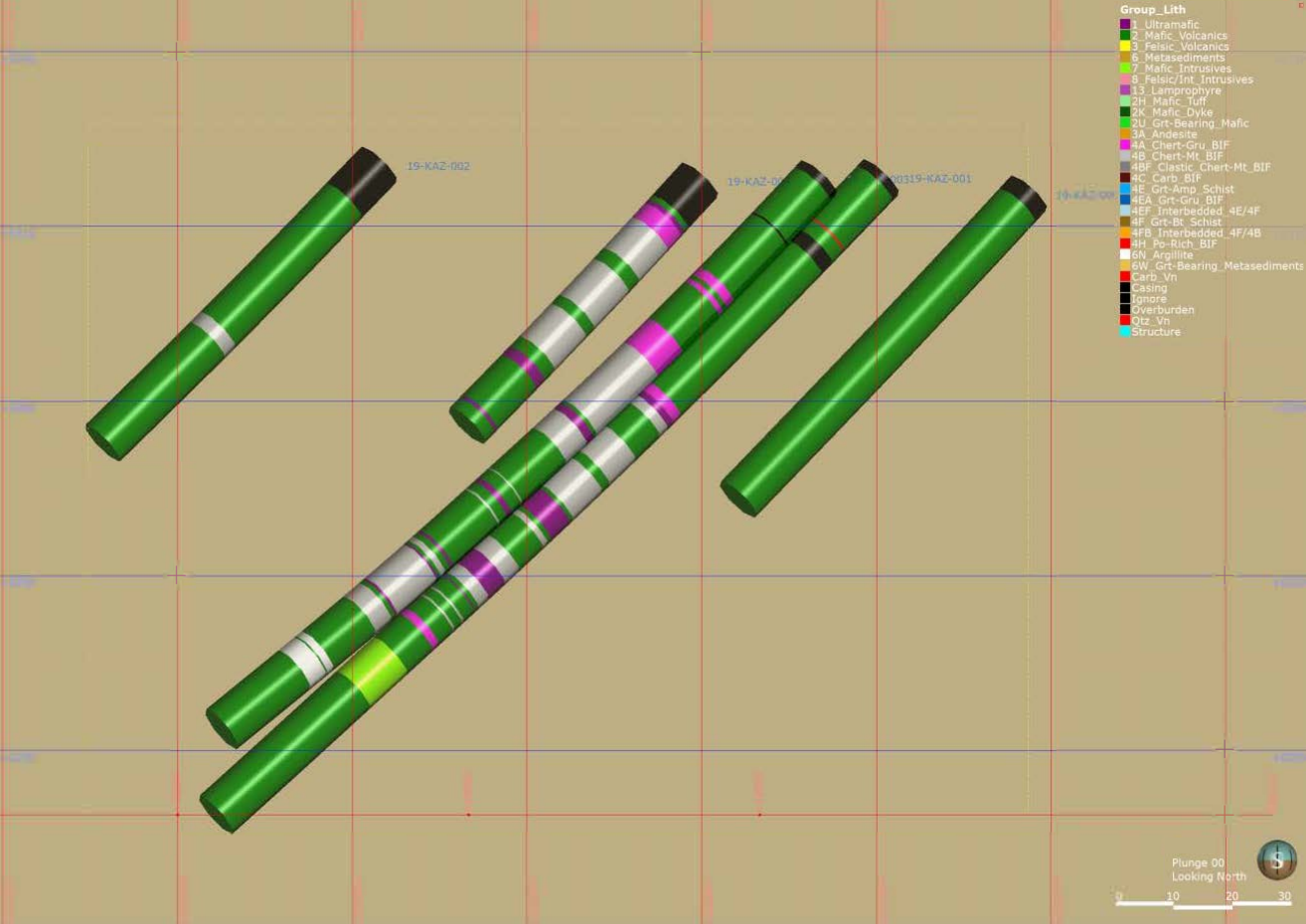
19-KAZ-00
19-KAZ-001
19-KAZ-009
Plunge 00
Looking North
0
10
20
30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20319-KAZ-001
19-KAZ-00
Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Casing
Ignore
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
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10
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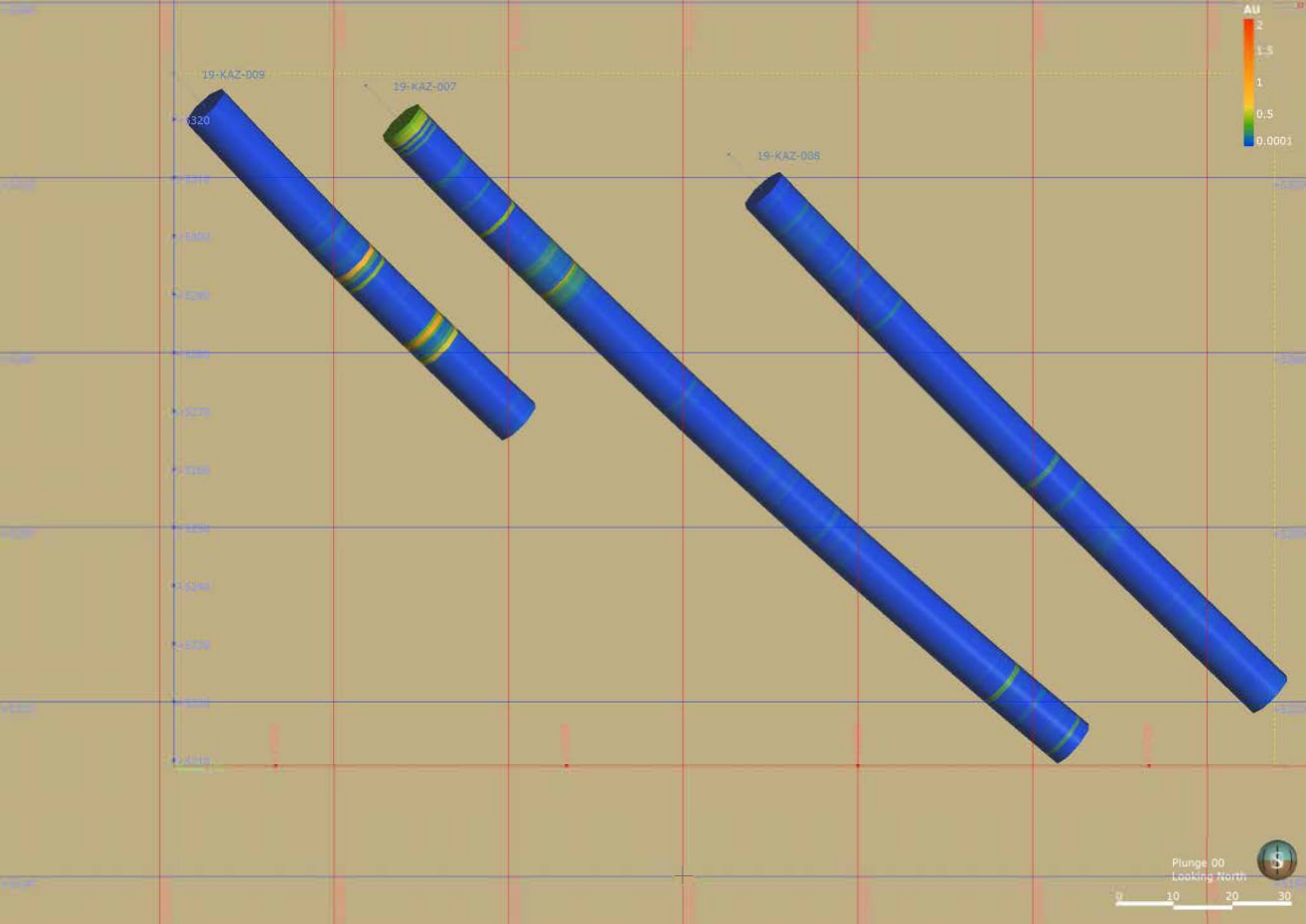
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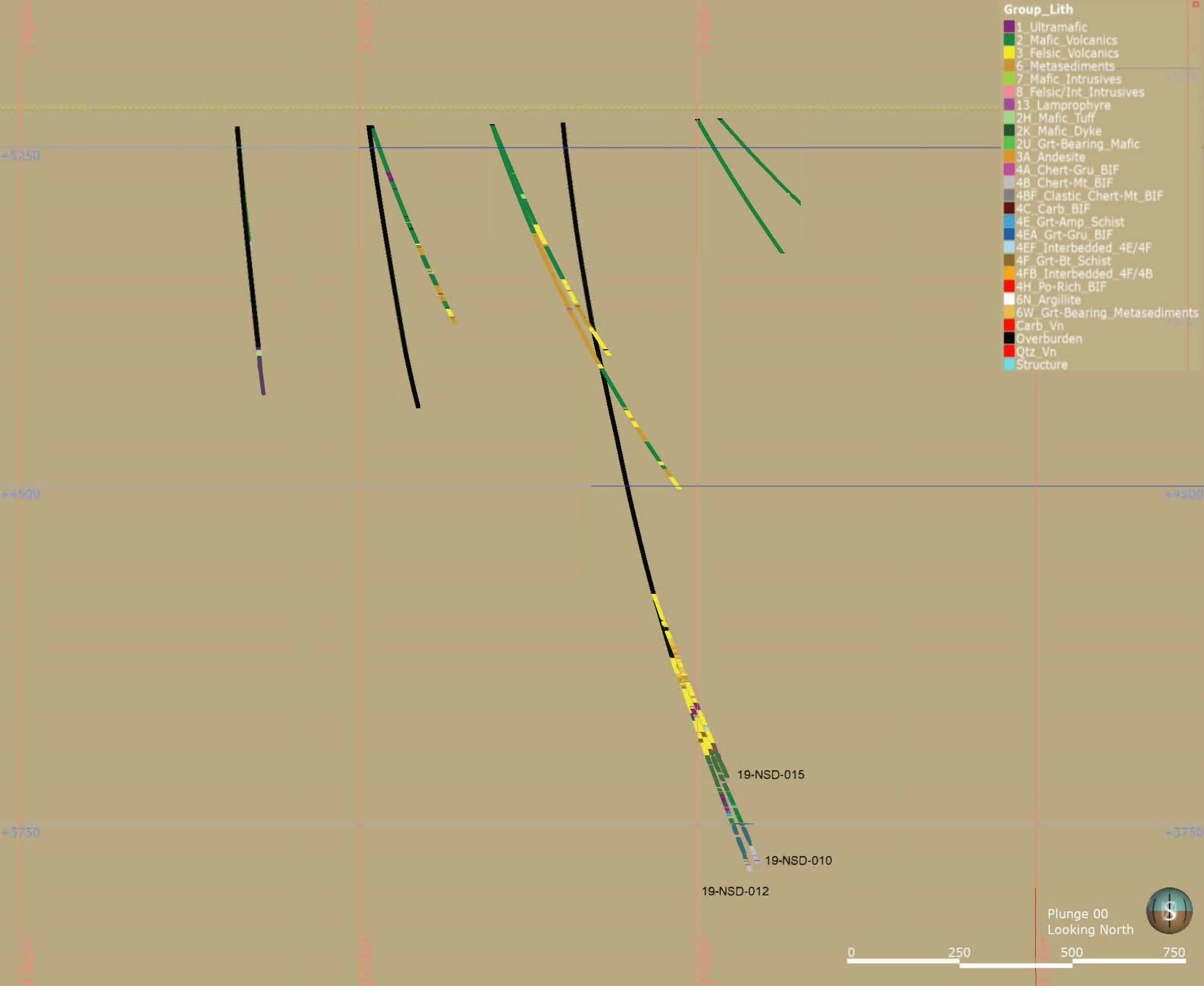
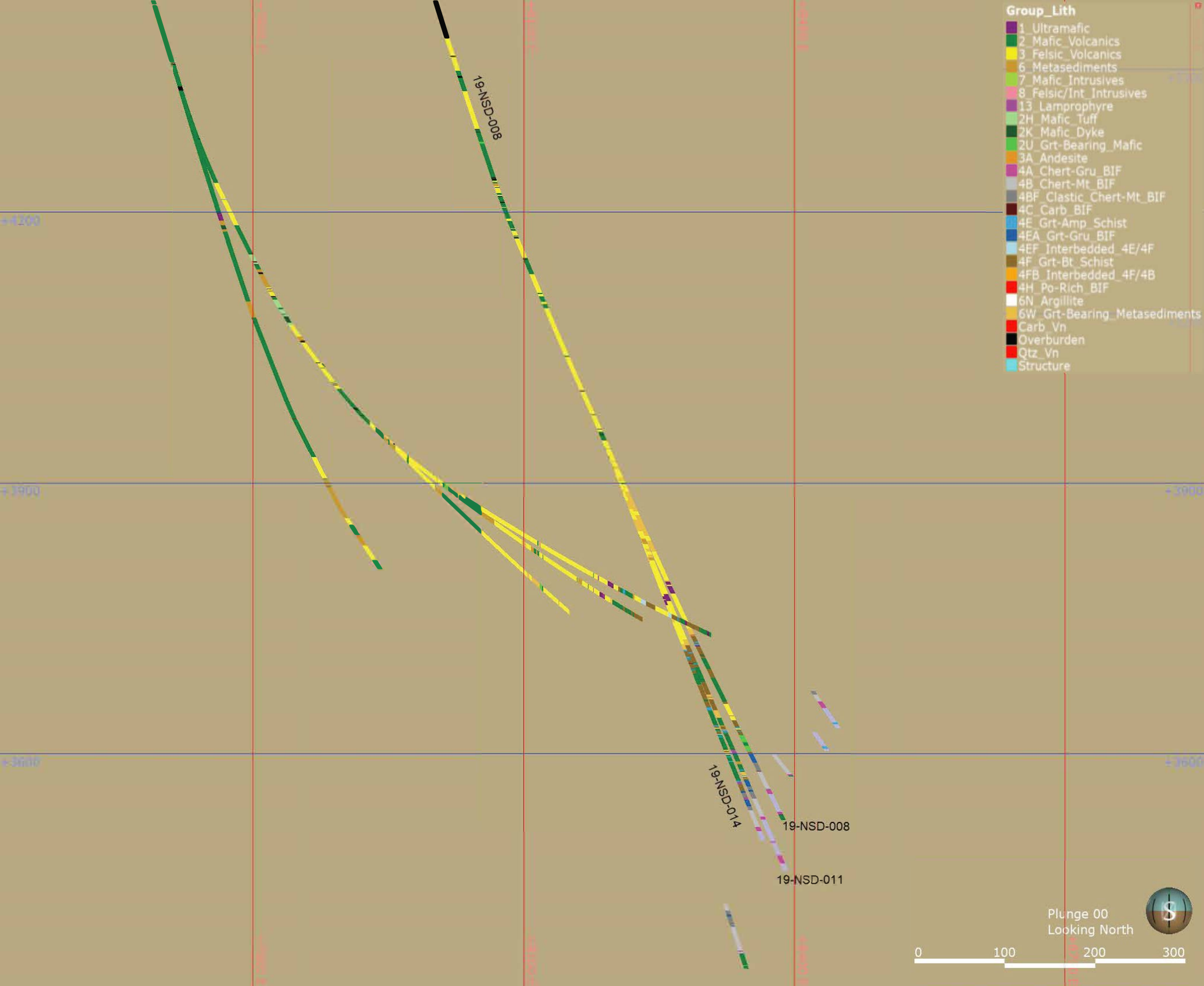
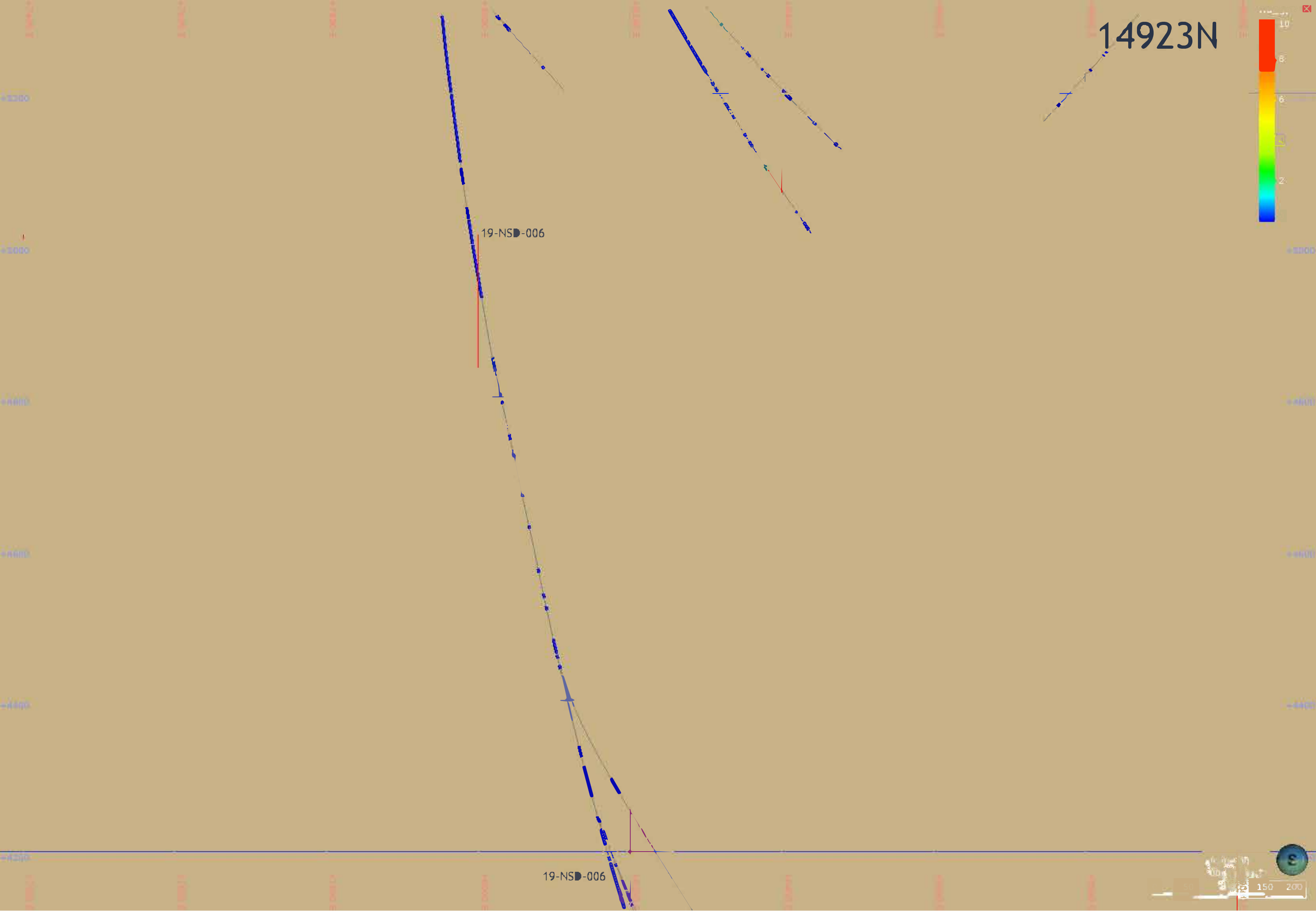
19-KAZ-007
19-KAZ-008
AU
2
1.5
1
0.5
0.0001
Plunge 00
Looking North
0
10
20
30

Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Casing
Ignore
Overburden
Qtz_Vn
Structure
KAZ-009
KAZ-007
KAZ-008
5320
Plunge 00
Looking North
0
10
20
30


Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
+5250
+4500
+3750
19-NSD-015
19-NSD-010
19-NSD-012
Plunge 00
Looking North
S
0
250
500
750

Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
+4200
+3900
+3600
19-NSD-015
19-NSD-010
19-NSD-012
Plunge 00
Looking North
S
0
100
200
300


Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
19-NSD-008
19-NSD-014
19-NSD-008
19-NSD-011
Plunge 00
Looking North
0
100
200
300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19-NSD-006
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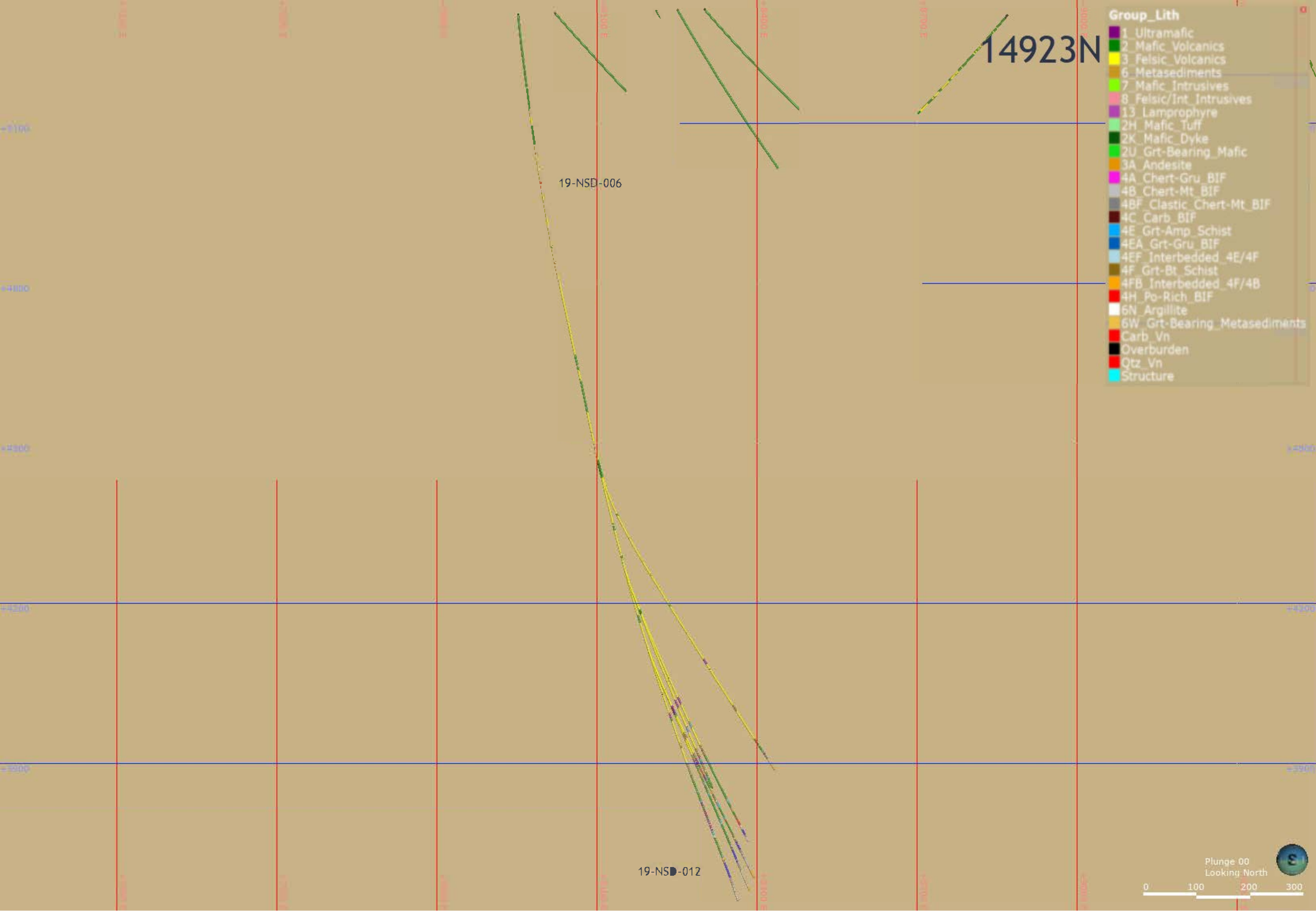
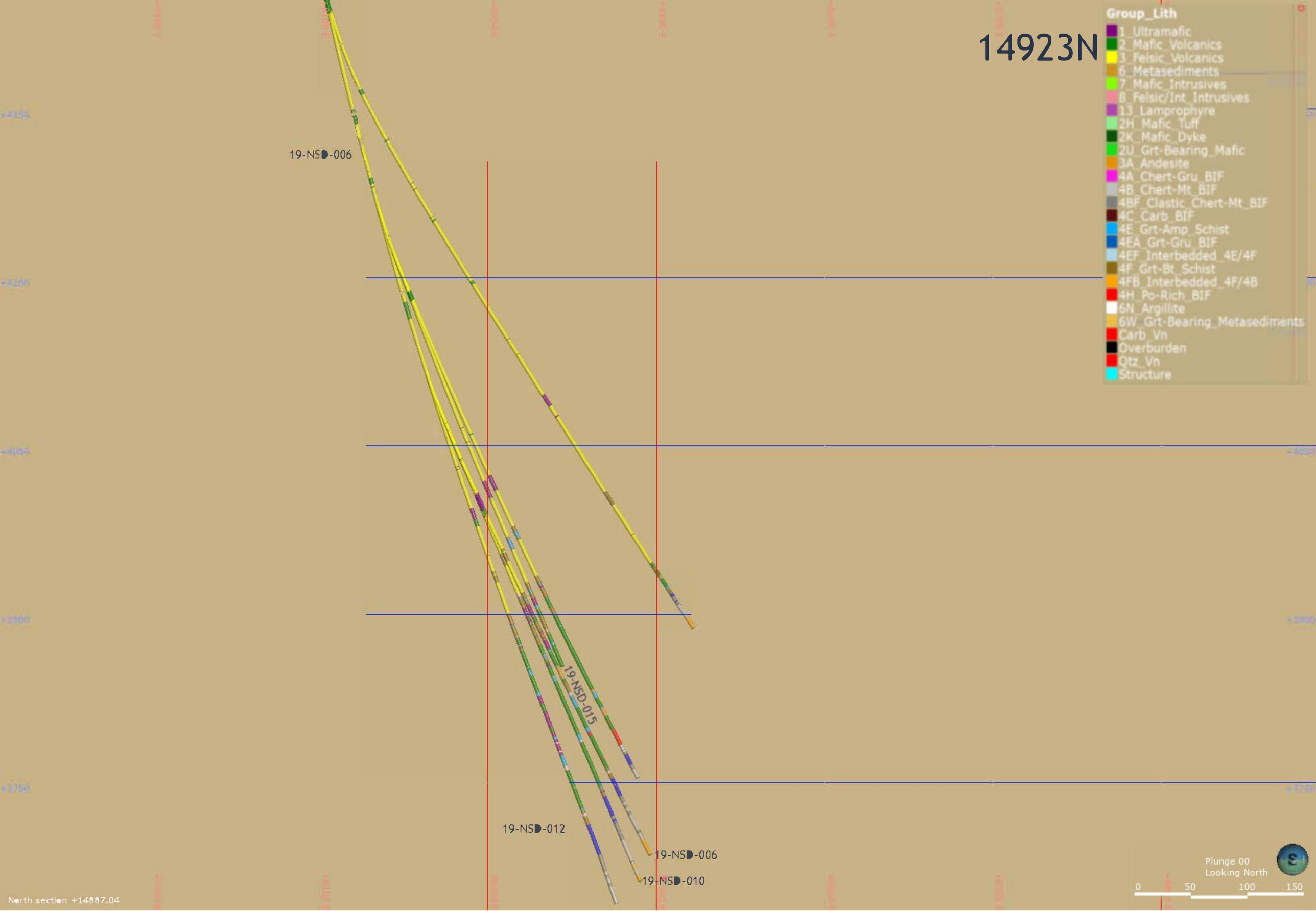
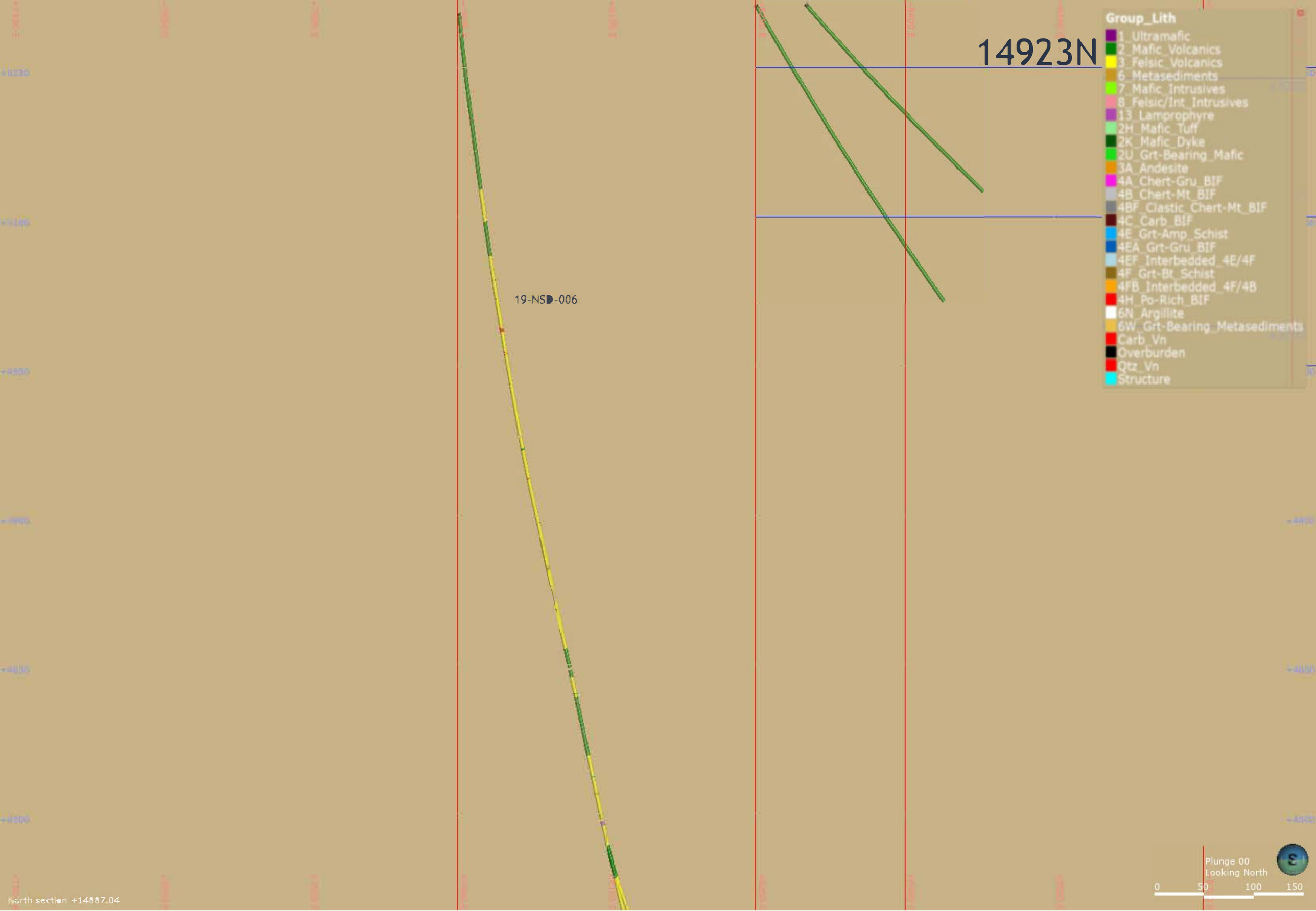

14923N
19-NSD-006
19-NSD-012
Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
0
100
200
300


14923N
Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
19-NSD-006
19-NSD-015
19-NSD-012
19-NSD-006
19-NSD-010
Plunge 00
Looking North
0
50
100
150
North section +14887.04


14923N
19-NSD-006
Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
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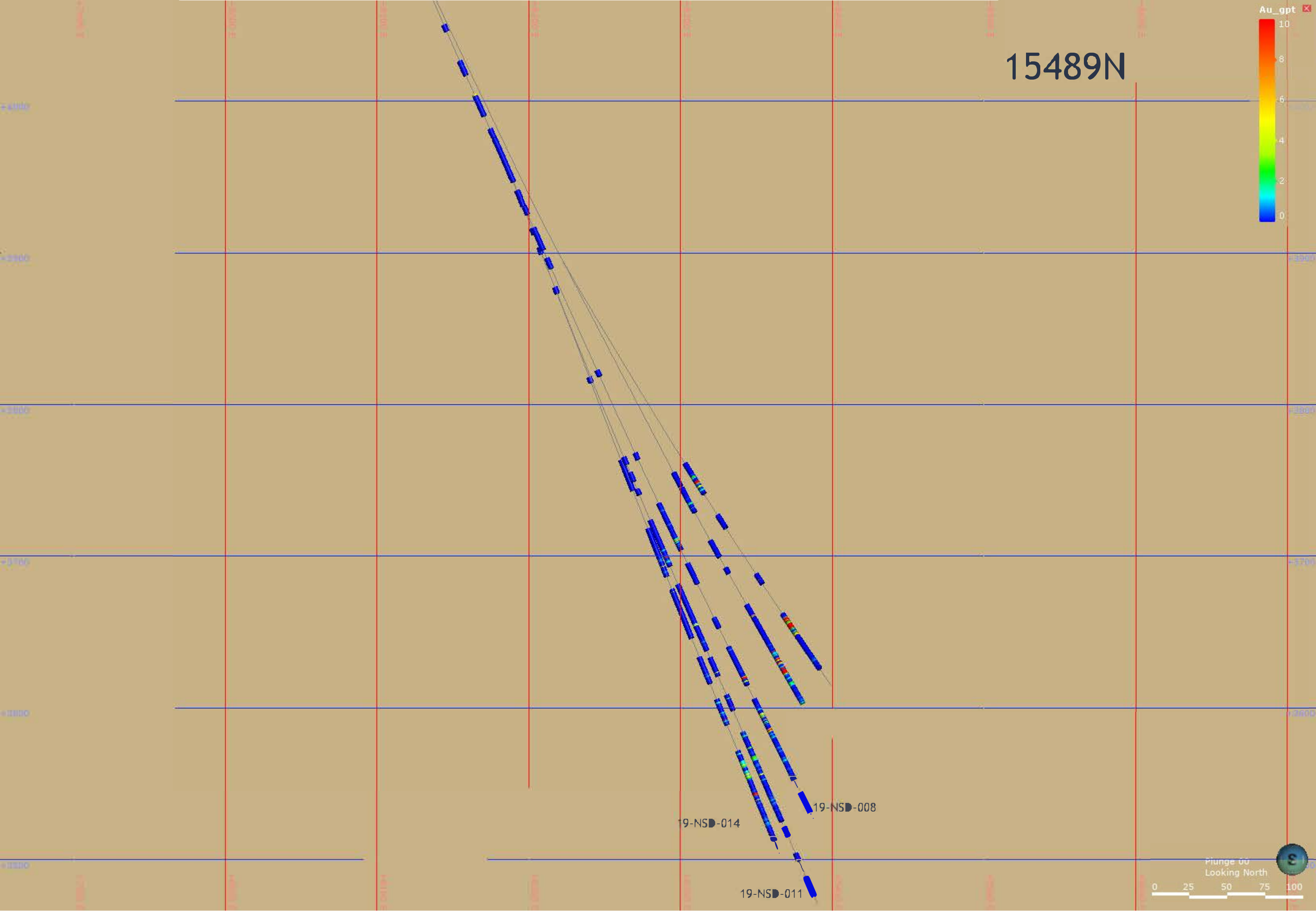
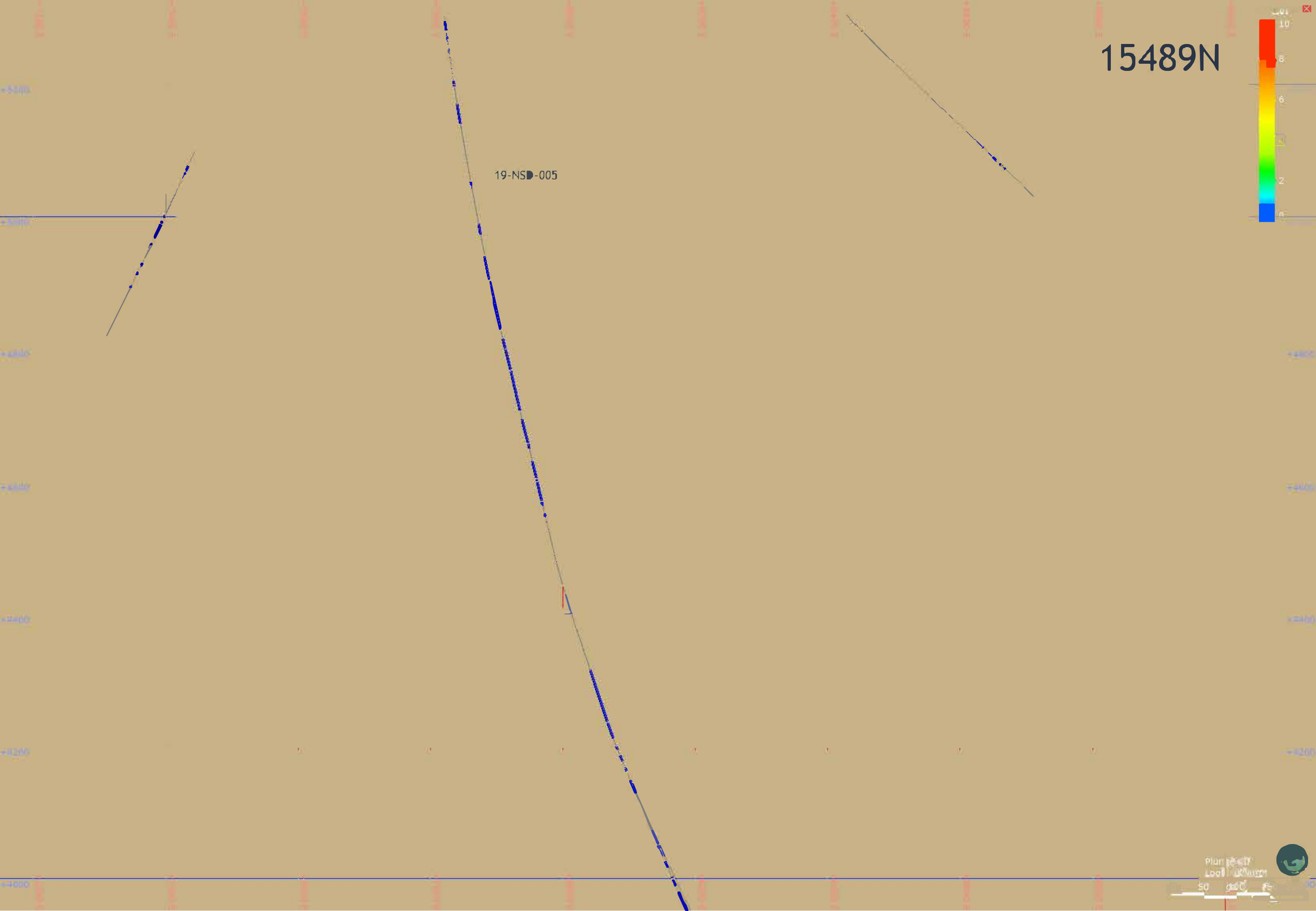
50
100
150
North section +14887.04


15489N
Au_gpt
10
8
6
4
2
0
19-NSD-008
19-NSD-014
19-NSD-011
Plunge 00
Looking North
0
25
50
75
100


15489N
19-NSD-005

15489N
19-NSD-005
19-NSD-014
Group_Lith
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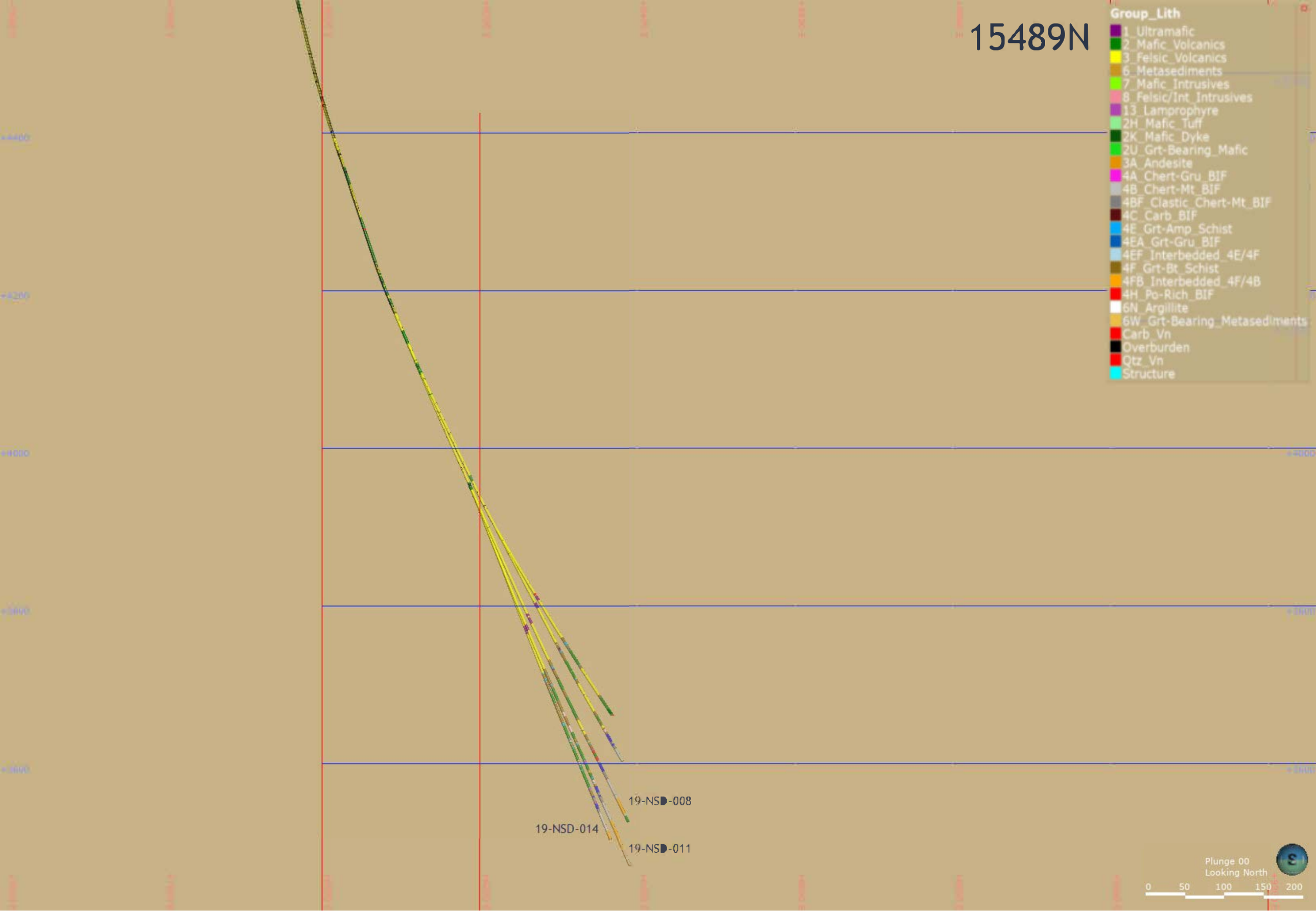
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
Plunge 00
Looking North
0
125
250
375
500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Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
19-NSD-008
19-NSD-014
19-NSD-011
Plunge 00
Looking North
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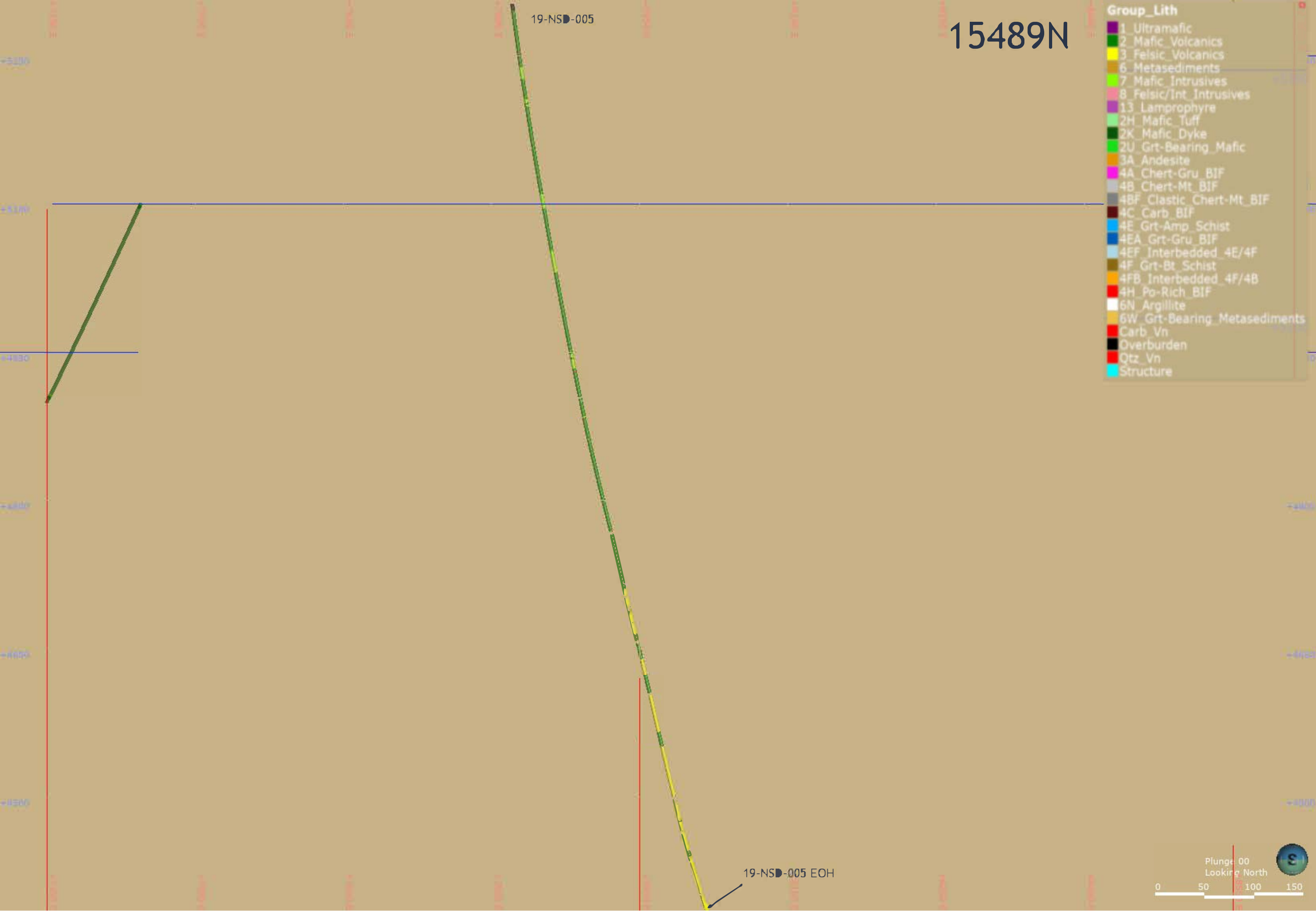
50
100
150
200


19-NSD-005
15489N
Group_Lith
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2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
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Plunge 00
Looking North
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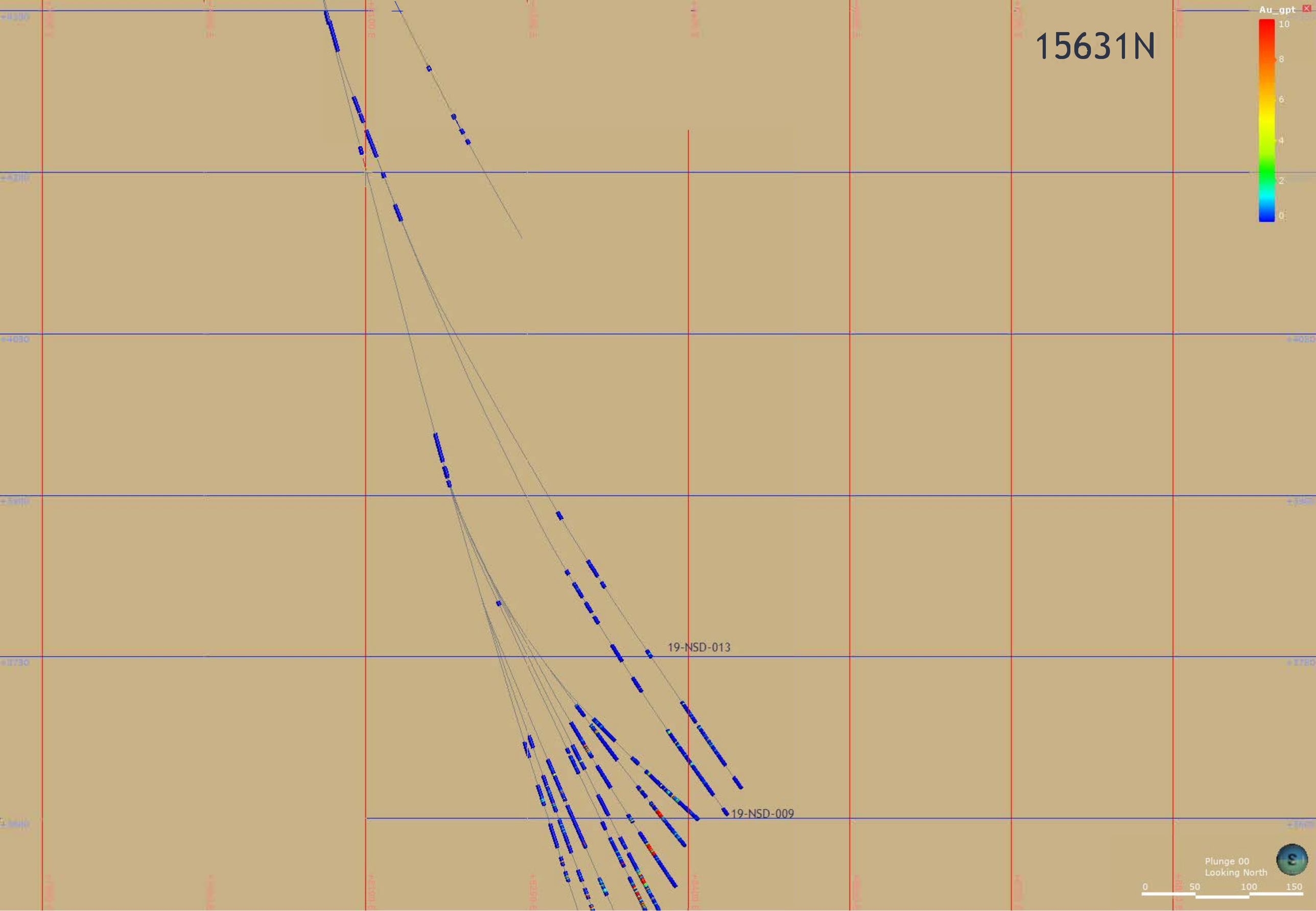
50
100
150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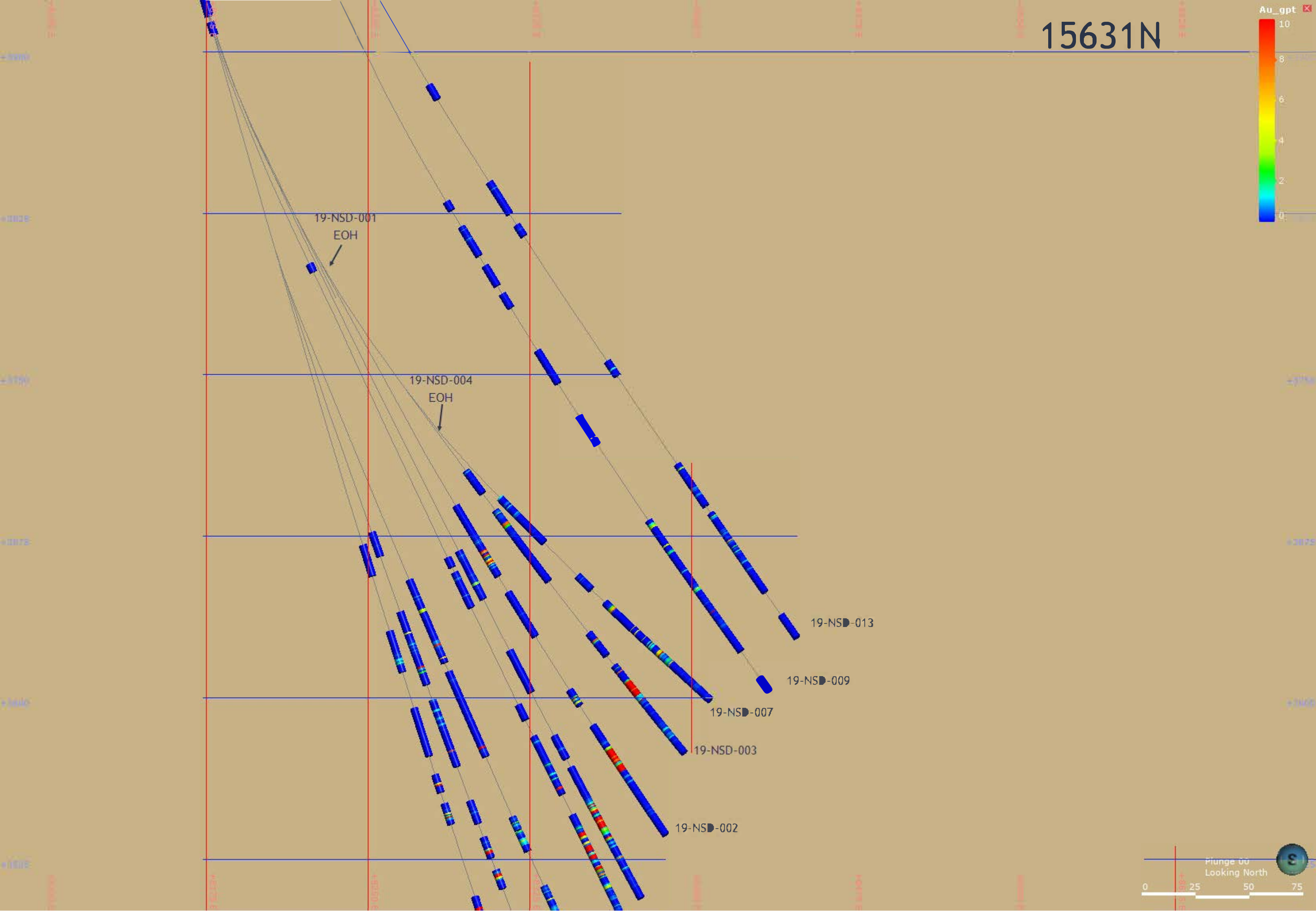
Au_gpt
10
8
6
4
2
0
19-NSD-013
19-NSD-009
Plunge 00
Looking North
0
50
100
150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Au_gpt
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8
6
4
2
0
19-NSD-001
EOH
19-NSD-004
EOH
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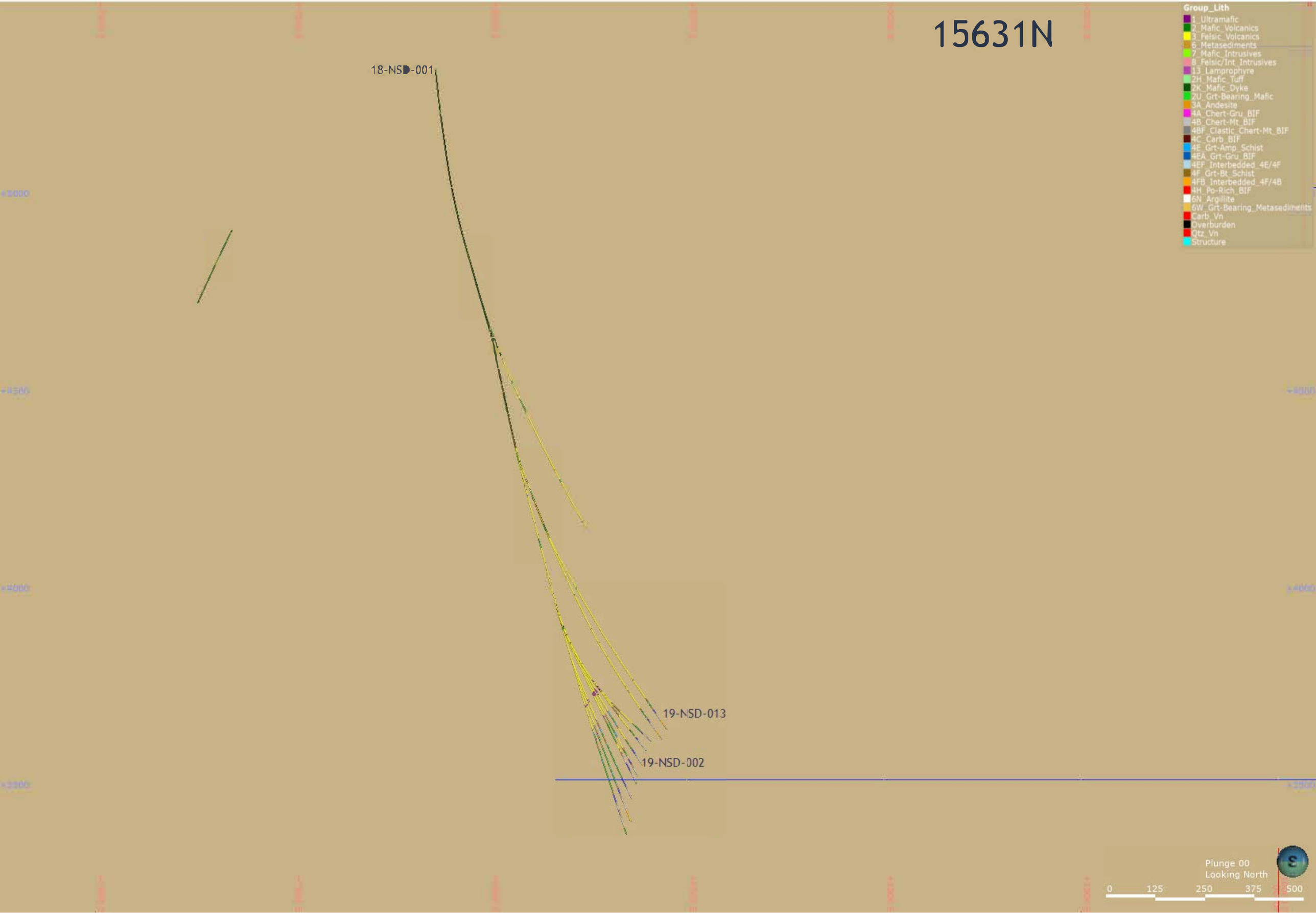
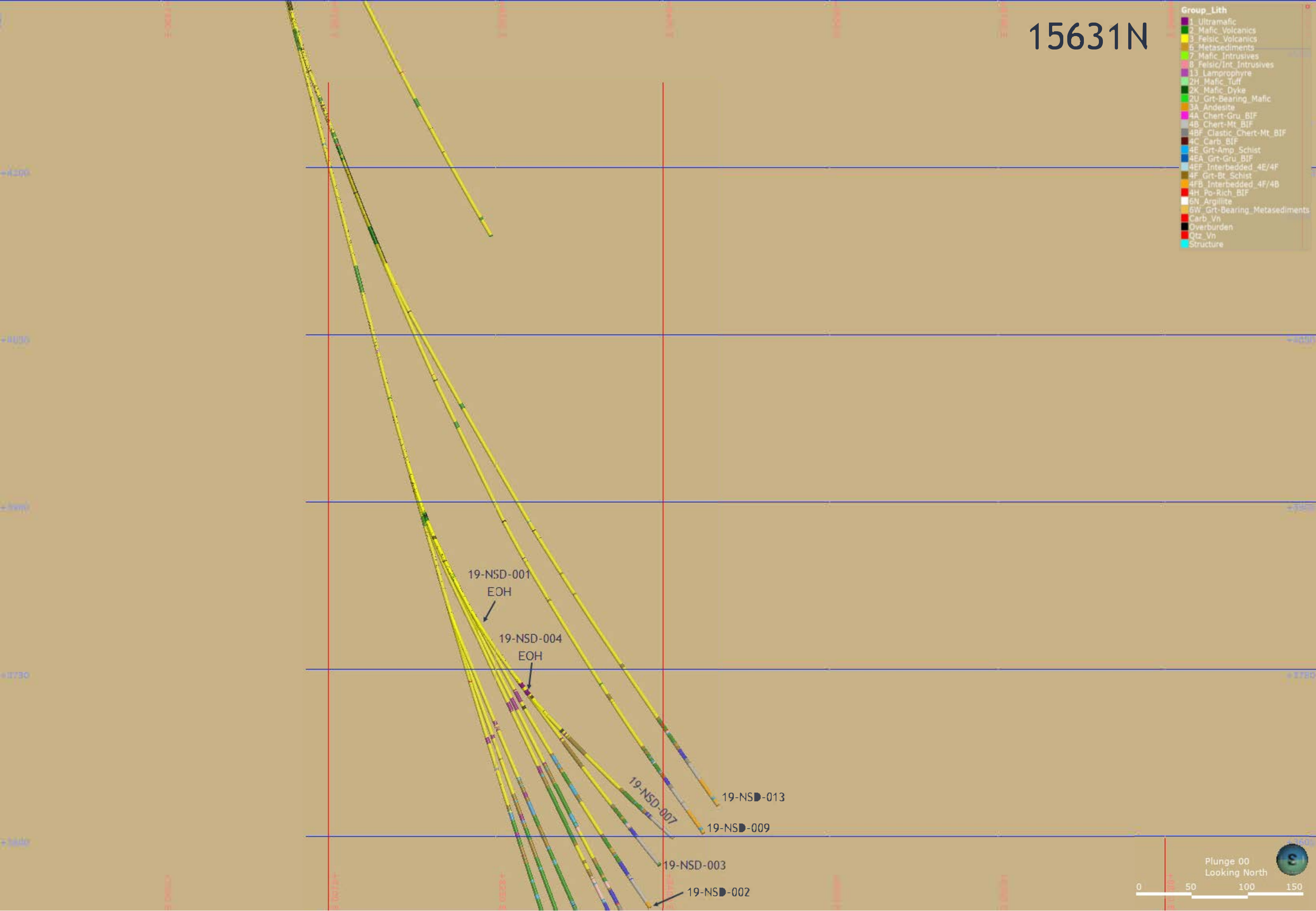
19-NSD-009
19-NSD-007
19-NSD-003
19-NSD-002
Plunge 00
Looking North
0
25
50
75


15631N
Group_Lith
1_Ultramafic
2_Mafic_Volcanics
3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
18-NSD-001
19-NSD-013
19-NSD-002
Plunge 00
Looking North
0
125
250
375
500


15631N
Group_Lith
1_Ultramafic
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3_Felsic_Volcanics
6_Metasediments
7_Mafic_Intrusives
8_Felsic/Int_Intrusives
13_Lamprophyre
2H_Mafic_Tuff
2K_Mafic_Dyke
2U_Grt-Bearing_Mafic
3A_Andesite
4A_Chert-Gru_BIF
4B_Chert-Mt_BIF
4BF_Clastic_Chert-Mt_BIF
4C_Carb_BIF
4E_Grt-Amp_Schist
4EA_Grt-Gru_BIF
4EF_Interbedded_4E/4F
4F_Grt-Bt_Schist
4FB_Interbedded_4F/4B
4H_Po-Rich_BIF
6N_Argillite
6W_Grt-Bearing_Metasediments
Carb_Vn
Overburden
Qtz_Vn
Structure
19-NSD-001
EOH
19-NSD-004
EOH
19-NSD-007
19-NSD-013
19-NSD-009
19-NSD-003
19-NSD-002
Plunge 00
Looking North
0
50
100
150

Ontario Ministry of Northern Development and Mines
Ministère du Développement du Nord et des Mines

Exploration Permit/Permis d'exploration

Number/Numero : PR-17-11171

This permit is issued under the authority of section 78.3 of the *Mining Act* and the Exploration Plans and Exploration Permits Regulation (O. Reg. 308/12). It is subject to the provisions of the Act and regulation as well as the terms and conditions included in this permit.

Ce permis est emis conformement aux dispositions de section 78.3 de la *Loi sur les mines* et des reglements et est sujet aux restrictions et dispositions de ce lois et reglements ainsi qu'aux conditions ci-enoncees

Note: The issuance of this permit does not relieve the applicant from the responsibility of acquiring any other agency, board, government, etc. approval as may be required nor does it relieve the permittee from the requirements of any other legislation or guarantee access to the land.

Remarque: La deliverance d'un permis n'exonere pas le demandeur de l'obligation d'obtenir l'autorisation de tout autre organisme, commission, government, etc. qui pourrait etre esigee, non plus qu'elle exempte le detenteur des dispositions des lois et elle ne garantit pas l'accès à la terre.

Project Details/ Détails sur le projet

Project Name/ Titre du projet
Karl Zeemel Project

Qualified Supervisor/Superviseur qualifié
Katie Lucas

This Permit is issued to: Ce Permis est delivré a:

Name of Permittee/Nom du detenteur:
Goldcorp Canada Ltd.

Mailing Address/Addresse postale:
3201-130 Adelaide Street West, Toronto, ON M5H 3P5

To conduct early exploration activities from/ Pour effectuer des activitées d'exploration du: 2017/11/07 to: 2020/11/06

On claim/lease/licence of occupation number(s)/Sur le numéro(s) du claim/bail/permis d'occupation: 1199740 1199737 1199738 1199739 1199736 4208959 4208960 4208961 4208962 1234260 1234261 1234262 1234263 1234264

as per your exploration permit renewal application date/conformement a la demande de permis d'exploration en date du: 2017/09/18

- ☒ Mechanized Drilling (assembled weight >150kg)/ Forage mécanisé (poids assemblé >150 kg)
- ☐ Mechanized Stripping (>100m^2 in 200m radius)/ Décapage mécanisé (> 100 m^2 dans un rayon de 200 m)
- ☐ Pitting and Trenching (>3m^3 in 200m radius)/ Creusement de fosses et de tranchées (>3 m^3 dans un rayon de 200 m)
- ☐ Line Cutting (>1.5m width)/ Découpage des quadrillages (<1,5 m de largeur)
- ☐ Other (Early exploration activities for which Director has required a permit)/Autre (Activités d'exploration préliminaires pour laquelle le Directeur a demandé un permis):

Subject to the following conditions:/Et sous les conditions suivanted:

1. The Permittee shall keep this permit or a true copy thereof on the permit area./Le detenteur conserver ace permis ou une copie conforme sur les lieux des travaux.
2. The person in charge of the operation conducted under this permit shall produce and show this permit or the true copy kept on the exploration permit area to any inspector whenever requested by the officer./Le responsible des travaux couverts par ce permis doit produire le permis ou sa copie conforme si un inspecteur lui demande.
3. The requirements outlined in Schedule 1 of Ontario Regulation 308/12 and applicable Provincial Standards for Early Exploration/ Les exigences générales identifier à l'annexe 1 du Règlement de l'Ontario 308/12 et les normes provinciale relatives a l'exploration preliminaire.
4. Other terms and conditions as listed on this permit./Autres termes et conditions enoncees sur ce permis.

Place of Issue/Emis a:
Thunder Bay

Issued by/Emis par:
Scott Burgess, Director of Exploration

Date of Issue/Date émis (yyyy/mm/dd, aaaa/mm/jj):	Signature of Director/Signature du directeur:
2017/11/07	

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Additional Terms and Conditions:	Autre termes et conditions:
none	

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Diamond Drill Hole Major Lithology Code Legend

1	Unsubdivided Ultramafic Intrusive Unit
2	Unsubdivided Mafic Metavolcanic Flow
6	Unsubdivided Clastic Metasedimentary Unit
2U	Garnetiferous Mafic Metavolcanic Unit
4A	Gruneritized and Silicified Chert-Magnetite Banded Iron Formation
4B	Chert-Magnetite Banded Iron Formation
4C	Chert
4H	Pyrrhotite Cemented Breccia
6N	Sulphidic Meta-Argillite/Mudstone
8B	Granite
QTZ VN	Massive Quartz Vein
CARB Vein	Massive Carbonate Vein

19-BOT-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	8.5	CASING			Light green, fgr, mafic metavolcanic (2) massive, non-magnetic. Wk pervasive bt, mod pervasive green amp, planar qz-cb veining 1-5/m. Minor unmineralized 4F and 4E @ 9m, 9.8m, respectively. No visible mineralization. LC is sharp. Dark green/pink, aph, grt-amp + chert ITF (4E) planar banding, mgr anhedral porph grts, mod magnetic. Grts become more agglomerated towards center of unit. Trace diss/int po mineralization throughout. LC is sharp. Brown/pink, fgr bt groundmass, grt-bt schist (4F) fgr-mgr porph grts, non-magnetic. Grts are more concentrated adjacent to contacts. No significant veining or visible mineralization. LC is sharp.										
	F019001	8.9	9.2																		
	F019002	9.2	9.7																		
	F019003	9.7	10	0.464			OVERBURDEN														
	F019004	10	11	0.026	8.5	8.9			MA	Light green, mgr, gabbro (7A) weakly foliated, non-magnetic. Mgr green amp abundant throughout. Weak planar qz-cb veining. No visible mineralization. LC is sharp.											
	F019005	11	11.3	0.043					BA			4F									
	F019006	11.3	11.7	0.023	8.9	11.3	2	LG	POR	Dark green/pink, aph groundmass, grt-amp ITF (4E) cgr anhedral porph grts, non-magnetic. Minor planar chert banding present. ~2% diss/int po mineralization throughout. LC is gradational.		4E									
10	F019007	11.7	12.2	0.031					BL												
	F019008	12.2	12.5	0.195	11.3	11.7	4E	DG	FOL	Brown/pink, fgr bt groundmass, grt-bt schist (4F) cgr subhedral porph grts, non-magnetic. Minor planar chert banding throughout. No visible mineralization. Minor unmineralized 4E @14.2 m. LC is sharp.											
	F019009	12.5	13	0.082	11.7	12.2	4F	B	POR												
	F019011	13	13.6	0.036	12.2	13.6	7A	LG	BL	Light green, fgr gabbro (7A) weakly foliated, mgr green amp crystals throughout, non-magnetic. No significant veining or mineralization. LC is sharp.		1									
	F019012	13.6	14	0.027	13.6	14	4E	DG	POR	Brown/pink, fgr bt groundmass, grt-bt schist (4F) mgr anhedral porph grts, non-magnetic. Lower abundance of grts compared to preciously seen 4F's. No significant veining or mineralization. LC is gradational.											
	F019013	14	14.4	0.018	14	14.4	4F	B	BL												
	F019014	14.4	15.1	0.046	14.4	15.1	7A	LG	FOL	Dark green/pink, aph amp groundmass, grt-amp ITF (4E) cgr anhedral porph grts, mod magnetic. Abundant planar chert bands, non-magnetic. Weak cb alteration. ~1% diss po mineralization. LC is gradational.		4E									
15	F019015	15.1	15.5	0.012	15.1	15.5	4F	B	POR												
	F019016	15.5	15.9	0.011	15.5	15.9	4E	DG	BL	Light grey, fgr, ultramafic (1) massive, non-magnetic. Strong pervasive tlc + srp alteration causing soapy texture. Local qz crack seal vein shallowly cutting core. No mineralization. LC is diffuse.											
	F019017	15.9	16.5	0.005	15.9	17	1	G	POR												
	F019018	16.5	17	0.032					BL												
	F019019	17	18	0.022					MA												
	F019021	18	19	0.033	17	20.5	7A	LG	MA	Light green, mgr, gabbro (7A) mod foliated, non-magnetic. Mgr green amp crystals throughout weakly attenuated along foliation. Common mod methane faulting showing strong sericite alteration and cross cutting foliation. No mineralization.	LC is gradational.										
	F019022	19	20	0.014																	
20	F019023	20	20.5	0.016																	
	F019024	20.5	21	0.012																	
	F019025	21	22	0.011																	
	F019026	22	22.5	0.01																	
	F019027	22.5	22.8	0.005																	
	F019028	22.8	23.8	0.008	20.5	26.2	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive, non-magnetic. Common moderate brittle faulting and methane faulting showing strong sericite alteration halos and cross cutting fabric. Minor unmineralized ultramafic @ 22.6 m.	No visible mineralization. LC is sharp.	1									
	F019029	23.8	24.8	0.011																	
25	F019031	24.8	25.8	0.032																	
	F019032	25.8	26.2	0.038																	
	F019033	26.2	26.9	0.077	26.2	26.9	4EA	BE	BA	Beige/blue, aph, grt-gru-amp + chert BIF? (4EA) very poorly developed, planar alternating bedding, moderately magnetic. Fgr relict? Grts abundant throughout. Local cb alteration adjacent to contacts. No mineralization. LC is sharp.											
	F019034	26.9	27.9	0.014						Light green, fgr-mgr, gabbro (7A) mod foliated, non-magnetic. Moderate brittle faulting throughout causing cgr rubbly core. Common qz-cb veining throughout. No visible mineralization. LC is sharp.											
	F019035	27.9	28.9	0.013	26.9	30.1	7A	LG	FOL	Dark green/blue, aph, chert-mag BIF (4B) planar/moderately distorted alternating laminae, strongly magnetic. Unit is highly strained w/ moderate qz-cb flooding and isoclinal folding. ~1% diss po min throughout associated w/ strain.											
	F019036	28.9	29.7	0.013						Light green, mgr gabbro (7A) massive, non-magnetic. Mgr green amp crystals throughout with no preferential orientation. Common moderate brittle faulting.											
30	F019037	29.7	30.1	0.125																	
	F019038	30.1	31.1	0.189	30.1	31.1	4B	DG	BA	No mineralization. LC is sharp.	LC is faulted; knife fault, showing ~5cm sinistral offset										
	F019039	31.1	32	0.029						Dark green/blue, aph, chert-mag BIF (4B) moderately distorted alternating laminae, strongly magnetic. Weak gru alteration of magnetite. No veining, Trace disseminated po mineralization throughout. LC is sharp.											
	F019041	32	33	0.017	31.1	33.3	7A	LG	MA	Dark green/blue, aph chert-mag BIF (4B) massive, non-magnetic. Mgr green amp crystals throughout. Weak planar qz-cb veining. No visible mineralization. LC is sharp.											
	F019042	33	33.3	0.013	33.3	33.6	4B	DG	BA												
	F019043	33.3	33.6	0.019	33.6	34	7A	LG	MA	Dark green/blue, aph, chert-mag BIF (4B) planar to locally distorted alternating bands/laminae, strongly magnetic. Moderate planar grey qz veining, knife faulting showing slight dextral offset. ~0.5% diss po mineralization. LC is sharp.											
	F019044	33.6	34	0.005	34	34.5	4B	DG	BA												
	F019045	34	34.5	0.043																	
35	F019046	34.5	35.5	0.03						Light green, mgr, gabbro (7A) mod foliated, non-magnetic. Mgr green amp crystals mod attenuated along foliation axis, decreasing in size grading downhole. No significant veining or visible mineralization. LC is sharp and irregular.											
	F019047	35.5	36.5	0.009																	
	F019048	36.5	37.5	0.011	34.5	39.3	7A	LG	FOL	Dark green/blue, aph, chert-mag BIF (4B) mod to strongly distorted, strongly magnetic. Moderate qz-cb flooding caused by high strain zone running through unit. ~2% disseminated po min associated w/ strain. LC is sharp.											
	F019049	37.5	38.5	0.007						Light green, mgr, gabbro (7A) moderately foliated, non-magnetic. Weak irregular qz-cb veining, minor 4B units @ 40.2m and 43.2 m hosting mineralization. Moderate high strain zoned pulling in these minor units and causing local grey qz veining.											
	F019051	38.5	39.3	0.007																	
	F019052	39.3	39.8	0.023	39.3	39.8	4B	DG	DIST												
	F019053	39.8	40.3	0.005	39.8	49.1	7A	LG	FOL		LC is sharp.										

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Depth	Sample	From	To	AU ppm
	F019053	39.8	40.3	0.005
	F019054	40.3	41	0.014
	F019055	41	42	0.01
	F019056	42	42.6	0.009
	F019057	42.6	43.1	0.014
	F019058	43.1	43.4	0.384
	F019059	43.4	44.1	0.013
45	F019061	44.1	45.1	0.015
	F019062	45.1	46.1	0.026
	F019063	46.1	47.1	0.018
	F019064	47.1	48.1	0.007
	F019065	48.1	49.1	0.032
	F019066	49.1	49.9	0.069
50	F019067	49.9	50.9	0.045
	F019068	50.9	51.2	0.888
	F019069	51.2	51.9	0.107
	F019071	51.9	52.9	0.133
	F019072	52.9	53.9	0.049
	F019073	53.9	54.3	0.261
	F019074	54.3	55	0.132
55	F019075	55	56	0.005
	F019076	56	57	0.005
	F019077	57	58	0.01
	F019078	58	59	0.016
	F019079	59	59.6	0.006
60	F019081	59.6	60.4	0.012
	F019082	60.4	61.4	0.008
	F019083	61.4	62.4	0.065
	F019084	62.4	63.4	0.113
	F019085	63.4	64.4	0.193
65	F019086	64.4	65.4	0.148
	F019087	65.4	66	0.006
	F019088	66	66.6	0.019
	F019089	66.6	66.9	0.008
	F019091	66.9	67.3	0.021
	F019092	67.3	68	0.096
	F019093	68	69	0.013
	F019094	69	70	0.021
70	F019095	70	71	0.022
	F019096	71	71.9	0.028
	F019097	71.9	72.2	0.006
	F019098	72.2	73	0.051
	F019099	73	74	0.008
	F019101	74	75	0.007
75	F019102	75	76	0.029
	F019103	76	77	0.012
	F019104	77	78	0.005
	F019105	78	79	0.013
	F019106	79	80	0.015
	F019107	80	81	0.006

From	To	Unit	Col	Text	Comments	Comments
39.8	49.1	7A	LG	FOL	Light green, mgr, gabbro (7A) moderately foliated, non-magnetic. Weak irregular qz-cb veining, minor 4B units @ 40.2m and 43.2 m hosting mineralization. Moderate high strain zoned pulling in these minor units and causing local grey qz veining.	LC is sharp.
49.1	54.3	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar to mod distorted alternating laminae, strongly magnetic. Mod gru alteration of magnetite. Mod HZ's causing patchy vfg consolidated fault gouge and moderate grey qz flooding and local 0.75% diss po	min. LC is gradational.
54.3	59.6	4BF	DG	BA	Dark green/blue/brown, aph, chert-mag BIF w/ abundant grt-bt bands (4BF) planar alternating laminae, strongly magnetic. Moderate gru alteration of groundmass, weak HZ through much of the unit causing local loss of primary texture.	Moderate thin and planar qz-cb veining. No visible mineralization. LC is gradational.
59.6	70	4B	BE	DIST	Dark green/blue, aph, chert-mag BIF (4B) planar to mod distorted laminae, strongly magnetic. Moderate brittle fault adjacent to upper contact. Strong gru alteration of magnetite unaffecting magnetism (possible 4A?) Mod HZ through unit causes	moderate isoclinal s-folding. Planar cb veining where strain occurs. Minor unmineralized 4F unit @ 66.6 m with sharp contacts. No mineralization. LC is gradational.
70	71.9	4E	BE	POR BL	Beige, aph, grt-amp (4E) mod distorted, mgr-cgr anhedral agglomerated grts, non-magnetic. Strong gru amphibole throughout. No visible mineralization. LC is gradational.	
71.9	72.2	4B	DG	DIST	Dark green, aph, chert-mag BIF? (4B) strongly distorted, strongly magnetic. Unit is highly strained and Very homogenous unit, possibly no primary texture preserved from high strain zone. No mineralization. LC is diffuse due to strain zone.	
72.2	86.8	2	DG	DIST	Dark green, fgr, mafic metavolcanic (2) mod foliated, non-magnetic. Strong pervasive bt + amp alteration. Thin planar qz-cb veins typically associated w/ mafics. Common brittle faulting towards lower contacts.	Mod HZ develops @ 82.5 m causing wispy bt alteration. No visible mineralization. LC is faulted.

Unit	Comments
2	
4F	

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019107	80	81	0.006	72.2	86.8	2	DG	DIST	Dark green, fgr, mafic metavolcanic (2) mod foliated, non-magnetic. Strong pervasive bt + amp alteration. Thin planar qz-cb veins typically associated w/ mafics. Common brittle faulting towards lower contacts.	Mod HZ develops @ 82.5 m causing wispy bt alteration. No visible mineralization. LC is faulted.	2									
	F019108	81	82	0.014																	
	F019109	82	83	0.071																	
	F019111	83	84	0.038																	
	F019112	84	85	0.051																	
85	F019113	85	86	0.005																	
	F019114	86	86.8	0.059																	
	F019115	86.8	87.8	0.013	86.8	88.7	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic. Strong pervasive tlc + srp alteration causing soapy texture. No veining or mineralization. Minor green mafic unit riding lower contact. LC is sharp.											
	F019116	87.8	88.4	0.011																	
	F019117	88.4	88.7	0.005																	
	F019118	88.7	89.3	0.005	88.7	94.9	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar alternating laminae, strongly magnetic. Mod HZ riding upper contact causing isoclinal z-folding. HZ @ 93.1 causing strong grey qz flooding. No visible mineralization. LC is gradational.											
	F019119	89.3	90	0.006																	
90	F019121	90	91	0.005																	
	F019122	91	92	0.005																	
	F019123	92	93	0.045																	
	F019124	93	94	0.05																	
	F019125	94	94.9	0.005																	
95	F019126	94.9	95.9	0.005	94.9	97.3	4BF	DG	BA	Dark green/blue/brown, aph, chert-mag BIF w/ abundant grt-bt bands (4BF) planar alternating bands and laminae, strongly magnetic. No significant veining, ~2% blebby po min. LC is gradational.											
	F019127	95.9	96.4	0.005																	
	F019128	96.4	97.3	0.005																	
	F019129	97.3	98.1	0.011	97.3	120.6	4B	DG	DIST	Dark green/beige/blue, aph, chert-mag BIF (4B) moderately distorted alternating laminae, strongly magnetic. High strain zone develops @ 97.9 m causing mod to strong distortion locally flipping fabric and causing moderate white qz crack seal veining	cross cutting bedding. Patchy 2% blebby po mineralization. Minor 4H riding lower contact hosting ~60% massive po. LC is gradational.										
	F019131	98.1	99.1	0.006																	
	F019132	99.1	99.4	0.005																	
100	F019133	99.4	100	0.005																	
	F019134	100	101	0.198																	
	F019135	101	102	0.193																	
	F019136	102	102.7	0.007																	
	F019137	102.7	103.5	0.035																	
	F019138	103.5	104.1	0.108																	
	F019139	104.1	104.8	0.032																	
105	F019141	104.8	105.2	0.046																	
	F019142	105.2	106	0.16																	
	F019143	106	106.9	0.028																	
	F019144	106.9	107.9	0.864																	
	F019145	107.9	108.9	0.03																	
	F019146	108.9	109.9	0.024																	
110	F019147	109.9	110.9	0.113																	
	F019148	110.9	111.9	0.005																	
	F019149	111.9	112.9	0.005																	
	F019151	112.9	113.9	0.005																	
	F019152	113.9	114.9	0.012																	
115	F019153	114.9	115.9	0.032																	
	F019154	115.9	116.9	0.007																	
	F019155	116.9	117.9	0.007																	
	F019156	117.9	118.9	0.009																	
	F019157	118.9	119.9	0.007																	
	F019158	119.9	120.3	0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019158	119.9	120.3	0.006	97.3	120.6	4B	DG	DIST	Dark green/beige/blue, aph, chert-mag BIF (4B) moderately distorted alternating laminae, strongly magnetic. High strain zone develops @ 97.9 m causing mod to strong distortion locally flipping fabric and causing moderate white qz crack seal veining	cross cutting bedding. Patchy 2% blebby po mineralization. Minor 4H riding lower contact hosting ~60% massive po. LC is gradational.	4H									
	F019159	120.3	120.6	0.017																	
	F019161	120.6	121	0.028																	
	F019162	121	122	0.012																	
	F019163	122	123	0.007																	
	F019164	123	124	0.006																	
	F019165	124	125	0.011	120.6	128.3	4BF	DG	BA	Dark green/blue/brown, aph, chert-mag BIF w/ abundant bands of grt-bt schist (4BF) planar to locally mod distorted alternating bands, strongly magnetic. Mod gru alt on margins of mag bands. No veining or mineralization present. LC is gradational.											
125	F019166	125	126	0.01																	
	F019167	126	127	0.015																	
	F019168	127	127.7	0.038																	
	F019169	127.7	128.3	0.016																	
	F019171	128.3	129	0.039																	
	F019172	129	130	0.026																	
130	F019173	130	131	0.016																	
	F019174	131	132	0.026																	
	F019175	132	132.9	0.048	128.3	136.1	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) planar alternating laminae, moderate to strong distortion grading downhole, strongly magnetic. Local bands of grt-bt. Strong distortion where HZ's occur, isoclinal m-folding where zones occur.	Local trace disseminated po mineralization. LC is gradational.										
	F019176	132.9	133.2	0.214																	
	F019177	133.2	134.1	0.045																	
	F019178	134.1	135.1	0.024																	
135	F019179	135.1	136.1	0.017																	
	F019181	136.1	137	0.007																	
	F019182	137	138	0.008																	
	F019183	138	139	0.009																	
	F019184	139	140	0.006																	
140	F019185	140	141	0.005																	
	F019186	141	142	0.005																	
	F019187	142	142.8	0.005																	
	F019188	142.8	143.3	0.005	136.1	149.9	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strong distortion, mod magnetic. HZ through unit, causing momentary loss of primary textures. Local rare bands of grt-bt. Local isoclinal folding. No significant veining.	Patchy 2-4% threaded and diss strain controlled po mineralization. LC is sharp.										
	F019189	143.3	144	0.005																	
	F019191	144	145	0.021																	
145	F019192	145	146	0.005																	
	F019193	146	147	0.005																	
	F019194	147	147.9																		
	F019195	147.9	148.4	0.005																	
	F019196	148.4	149	0.02																	
	F019197	149	149.9	0.005																	
	F019198	149.9	150.2	0.01																	
150	F019199	150.2	151	0.028	149.9	150.2	6N	BK	MA	Black, aph, argillite/mudstone (6N) massive, non-magnetic. Hard groundmass, vfg porph grts scattered throughout. ~1% threaded po min. No veining. LC is sharp.											
	F019201	151	152	0.007																	
	F019202	152	153	0.007																	
	F019203	153	153.5	0.009	150.2	153.5	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strongly distorted, mod magnetic. Mod-str high strain zone throughout controlling semi-continuous blebby and threaded po mineralization throughout. LC is sharp.											
	F019204	153.5	153.8	0.006																	
	F019205	153.8	154.3	0.033																	
	F019206	154.3	155.2	0.024	153.5	153.8	6N	BK	MA	Black, aph, argillite/mudstone (6N) massive, non-magnetic. Very hard groundmass. Single planar qz vein through unit. No mineralization. LC is sharp.											
	F019207	155.2	155.5	0.03	153.8	155.2	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strong distortion of alternating laminae, mod magnetic. Unit is highly strained throughout. HZ is controlling local 4% blebby and threaded po mineralization. Rare minor 4F banding observed. LC is sharp.											
155	F019208	155.5	155.8	0.005																	
	F019209	155.8	156.2	0.026	155.2	156.2	2	G	FOL	Light grey, fgr, mafic metavolcanic (2) mod foliated, non-magnetic. Mod to strong pervasive bt alteration throughout. Minor 6N units @ 155.6 and LC hosting trace po mineralization. No mineralization through mafics. LC is sharp.		6N									
	F019211	156.2	157.2	0.01	156.2	158.2	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic. Strong pervasive tlc alteration causing soapy texture. No veining or mineralization. LC is sharp.											
	F019212	157.2	158.2	0.008																	
	F019213	158.2	159.2	0.012	158.2	159.7	4F	B	BA	Brown/pink/blue, fgr bt groundmass, grt-bt schist (4F) strongly distorted to moderately banded, non-magnetic. Abundant planar chert bands throughout unit. Strong HZ from 158.4-158.9 m causing strong distortion and controlling											
	F019214	159.2	159.7	0.028																	
	F019215	159.7	160.5	0.165	159.7	162.4	4EA	BE	BA	Beige/blue/green, aph, grt-gru-amp + chert BIF (4EA) planar to moderately distorted alternating bands, mod magnetic. Strong HZ developing @ 159.8 m and carrying through LC causes distortion and local 1% po mineralization. Local mod z-folding.	~2% po mineralization. LC is gradational. LC is sharp and irregular.										
				0.048																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019215	159.7	160.5	0.048	159.7	162.4	4EA	BE	BA	Beige/blue/green, aph, grt-gru-amp + chert BIF (4EA) planar to moderately distorted alternating bands, mod magnetic. Strong HZ developing @ 159.8 m and carrying through LC causes distortion and local 1% po mineralization. Local mod z-folding.	LC is sharp and irregular.										
	F019216	160.5	161.5	0.034																	
	F019217	161.5	162.4	0.093																	
	F019218	162.4	163.4	0.005	162.4	166.5	2	G	FOL	Light grey, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic, Moderate pervasive bt alteration. Strong HZ terminates 163.9 m causing strong bt alteration and qz-cb veining. No mineralization visible. LC is gradational.											
	F019219	163.4	164	0.012																	
	F019221	164	165	0.065																	
165	F019222	165	166	0.027																	
	F019223	166	166.5	0.005																	
	F019224	166.5	167.2	0.005	166.5	172.2	2U	DG	POR BL	Dark green/pink, fgr, grt-bearing mafic metavolcanic (2U) mod foliated and distorted, fgr porph grts, non-magnetic. Mod pervasive and wispy bt + amp alteration. Grt development is due to high strain zone also causing moderate qz-cb veining.	No mineralization. LC is sharp.										
	F019225	167.2	168.2	0.005																	
	F019226	168.2	169.2	0.013																	
	F019227	169.2	170.2	0.015																	
170	F019228	170.2	171.2	0.04																	
	F019229	171.2	172.2	0.014																	
	F019231	172.2	172.6	2.15	172.2	172.6	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) strongly distorted, strongly magnetic. Mod gru alteration of magnetite. Unit is highly stained causing local qz-cb veining. ~5% blebby vein hosted po mineralization through unit. LC is sharp.											
	F019232	172.6	173	0.013	172.6	191.1	2	DG	FOL	Dark green, fgr, mafic metavolcanic (2) mod foliated, non-magnetic. Mod to strong pervasive and wispy bt alteration. Mod HZ develops at 185.8 m causing strong distortion and grey qz veining. No visible mineralization. LC is diffuse.											
	F019233	173	173.3	0.04																	
	F019234	173.3	174	0.021																	
175	F019235	174	175	0.012																	
	F019236	175	176	0.013																	
	F019237	176	177	0.022																	
	F019238	177	178	0.012																	
	F019239	178	179	0.013																	
	F019241	179	180	0.005																	
180	F019242	180	181	0.005																	
	F019243	181	182	0.005																	
	F019244	182	183	0.005																	
	F019245	183	184	0.005																	
	F019246	184	185	0.018																	
185	F019247	185	186	0.011																	
	F019248	186	187	0.012																	
	F019249	187	188	0.005																	
	F019251	188	189	0.006																	
	F019252	189	190	0.006																	
190	F019253	190	190.7	0.012																	
	F019254	190.7	191.1	0.005																	
	F019255	191.1	192	0.013	191.1	193.8	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic. Mod HZ develops @ 192.6 m causing "tearing apart" of unit due to hydrothermal units. Mod qz flooding adjacent to LC. No mineralization. LC is sharp.											
	F019256	192	192.9	0.029																	
	F019257	192.9	193.8	0.01																	
	F019258	193.8	194.8	0.082	193.8	196.3	4B	DG	DIST	Dark green, aph, chert-mag BIF (4B) mod to strongly distorted, strongly magnetic. Unit is highly strained which seems to be controlling 4% continuous po mineralization and 1% ccp, ~20% semi-massive po adjacent to LC.	Common isoclinal and s-folding through unit. LC is sharp and irregular.										
	F019259	194.8	195.5	0.16																	
195	F019261	195.5	196	0.024																	
	F019262	196	196.3	0.15																	
	F019263	196.3	196.7	0.104	196.3	196.7	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Strong green amphibole presence in groundmass. No veining, ~9% fracture controlled po and 1% ccp. LC is diffuse.											
	F019264	196.7	197	0.005	196.7	208	1	G	MA	Light grey, fgr, ultramafic (1) massive, locally distorted, non-magnetic. Strong to intense pervasive tlc alteration causing soapy texture. Weak shallow crack seal carb veining locally and irregular dolomite? Wisps where high strain zones occur.	No mineralization.										
	F019265	197	198	0.005																	
	F019266	198	199	0.006																	
	F019267	199	200	0.005																	
	F019268	200	201	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019268	200	201	0.005	196.7	208	1	G	MA	Light grey, fgr, ultramafic (1) massive, locally distorted, non-magnetic. Strong to intense pervasive tlc alteration causing soapy texture. Weak shallow crack seal carb veining locally and irregular dolomite? Wisps where high strain zones occur.	No mineralization.										
	F019269	201	202	0.005																	
	F019271	202	203	0.009																	
	F019272	203	204	0.005																	
	F019273	204	205	0.01																	
205	F019274	205	206	0.017																	
	F019275	206	207	0.007																	
	F019276	207	208	0.005																	
	F019277	208	209	0.005	208	221.2	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) mod foliated to mottled, non-magnetic. Strong pervasive/wispy bt alt. Local moderate silicification. Massive carb veining present. No visible mineralization. LC is sharp.											
	F019278	209	210	0.005																	
210	F019279	210	211	0.008																	
	F019281	211	212	0.058																	
	F019282	212	213	0.007																	
	F019283	213	214	0.005																	
	F019284	214	215	0.006																	
215	F019285	215	216	0.005																	
	F019286	216	217	0.005																	
	F019287	217	218	0.008																	
	F019288	218	219	0.009																	
	F019289	219	220	0.042																	
220	F019291	220	220.7	0.014																	
	F019292	220.7	221.2	0.198																	
	F019293	221.2	222.1	0.048	221.2	228.6	4B	DG	DIST	Dark green/beige/blue, aph, chert-mag BIF (4B) mod to strongly distorted alternating laminae, locally planar banding, strongly magnetic. Moderate high strain throughout causing moderate gru alteration.	Semi-continuous 1.5-6% po mineralization from 222.1-225.7m. Minor mafic unit @ 226.6m. LC is sharp.	2									
	F019294	222.1	222.5	5.81																	
	F019295	222.5	222.8	0.082																	
	F019296	222.8	223.8	0.015																	
	F019297	223.8	224.3	1.17																	
	F019298	224.3	224.9	0.017																	
225	F019299	224.9	225.7	3.21																	
	F019301	225.7	226.6	0.032																	
	F019302	226.6	226.9	0.126																	
	F019303	226.9	227.9	0.132																	
	F019304	227.9	228.6	0.446																	
	F019305	228.6	229.5	0.017	228.6	229.8	2	GG	MA	Greenish-grey, fgr, mafic metavolcanic (2) massive, non-magnetic. Weak to mod pervasive green amp, wk bt. Mod HZ develops @ 229.6 m and leads to 3% fracture controlled po min. LC is sharp.											
	F019306	229.5	229.8	0.032																	
230	F019307	229.8	230.8	0.006	229.8	237.4	4B	DG	DIST	Dark green/beige/blue, aph, chert-mag BIF (4B) strongly distorted alternating bands, strongly magnetic. Mod to strong high strain zones cause loss of primary texture locally and abundant parasitic folding throughout.	Moderate gru alteration of magnetite. 3% blebby po mineralization from 236.7-LC. Local carb flooding caused by HZ. LC is sharp.										
	F019308	230.8	231.8	0.005																	
	F019309	231.8	232.8	0.005																	
	F019311	232.8	233.8	0.011																	
	F019312	233.8	234.8	0.028																	
235	F019313	234.8	235.8																		
	F019314	235.8	236.7	0.053																	
	F019315	236.7	237.4	0.135																	
	F019316	237.4	237.7	1.06																	
	F019317	237.7	238.1	1.37																	
	F019318	238.1	239	2.2	237.4	241.1	4H	B	MA	Brown, fgr, po cemented breccia (4H) massive to mod distorted, moderately magnetic. Local strongly distorted and brecciated 4B, local grey qz flooding. ~80% massive po mineralization. LC is sharp.											
	F019319	239	239.5	0.427																	
	F019321	239.5	239.9	0.432																	
240	F019322	239.9	240.6	0.091																	
				0.311																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019322	239.9	240.6	0.311	237.4	241.1	4H	B	MA	Brown, fgr, po cemented breccia (4H) massive to mod distorted, moderately magnetic. Local strongly distorted and brecciated 4B, local grey qz flooding. ~80% massive po mineralization. LC is sharp.											
	F019323	240.6	241.1	0.381																	
	F019324	241.1	242	0.256	241.1	249.3	4A	BE	DIST	Beige/white, aph, chert-gru BIF (4A) strongly distorted, mod to weakly magnetic. High strain zone running through entire unit causing mod to strong white qz flooding and semi-continuous strain controlled 2% po mineralization from 245.2-LC. LC is sharp.											
	F019325	242	242.4	0.021																	
	F019326	242.4	243.1	0.588																	
	F019327	243.1	244	0.105																	
	F019328	244	244.6	2.6																	
245	F019329	244.6	245.2	0.033																	
	F019331	245.2	246	0.254																	
	F019332	246	247	0.072																	
	F019333	247	248	1.07																	
	F019334	248	249	0.211																	
	F019335	249	249.3	0.167																	
250	F019336	249.3	250	0.015	249.3	302.5	7A	DG	MA	Dark green, mgr, gabbro (7A) massive, non-magnetic. Strong mgr green amp crystals throughout with local preferential orientation. Common qz-cb veining throughout. Patchy trace to 0.5% vfg litho hosted disseminated po mineralization. LC is sharp.											
	F019337	250	251	0.007																	
	F019338	251	252	0.103																	
	F019339	252	253	0.01																	
	F019341	253	254	0.007																	
	F019342	254	255	0.006																	
255	F019343	255	256	0.005																	
	F019344	256	257	0.005																	
	F019345	257	258	0.007																	
	F019346	258	259	0.006																	
	F019347	259	260	0.008																	
260	F019348	260	261	0.011																	
	F019349	261	262	0.01																	
	F019351	262	263	0.018																	
	F019352	263	264	0.02																	
	F019353	264	265	0.009																	
265	F019354	265	266	0.009																	
	F019355	266	267	0.006																	
	F019356	267	268	0.006																	
	F019357	268	269	0.005																	
	F019358	269	270	0.006																	
270	F019359	270	271	0.005																	
	F019361	271	272	0.012																	
	F019362	272	273	0.006																	
	F019363	273	274	0.012																	
	F019364	274	274.3	0.011																	
275	F019365	274.3	275.3	0.006																	
	F019366	275.3	276	0.014																	
	F019367	276	276.3	0.011																	
	F019368	276.3	277.1	0.006																	
	F019369	277.1	278.1	0.009																	
	F019371	278.1	279.1	0.008																	
	F019372	279.1	279.5	0.011																	
	F019373	279.5	280.1	0.005																	
280	F019374	280.1	281.1	0.013																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019374	280.1	281.1	0.013	249.3	302.5	7A	DG	MA	Dark green, mgr, gabbro (7A) massive, non-magnetic. Strong mgr green amp crystals throughout with local preferential orientation. Common qz-cb veining throughout. Patchy trace to 0.5% vfg litho hosted disseminated po mineralization. LC is sharp.											
	F019375	281.1	282.1	0.006																	
	F019376	282.1	283.1	0.005																	
	F019377	283.1	284.1	0.005																	
	F019378	284.1	285.1	0.014																	
285	F019379	285.1	286.1	0.01																	
	F019381	286.1	287.1	0.007																	
	F019382	287.1	288.1	0.014																	
	F019383	288.1	289.1	0.017																	
	F019384	289.1	290.1	0.009																	
290	F019385	290.1	291	0.021																	
	F019386	291	292	0.01																	
	F019387	292	292.7	0.005																	
	F019388	292.7	293.3	0.005																	
	F019389	293.3	293.9	0.005																	
	F019391	293.9	294.3	0.011																	
	F019392	294.3	295	0.005																	
295	F019393	295	296	0.006																	
	F019394	296	297	0.005																	
	F019395	297	298	0.005																	
	F019396	298	299	0.011																	
	F019397	299	300	0.012																	
300	F019398	300	301	0.009																	
	F019399	301	302	0.005																	
	F019401	302	302.5	0.006																	
	F019402	302.5	303.2	0.005	302.5	342.2	2	GG	MA	Light greenish-grey, fgr, mafic metavolcanic (2) massive to locally foliated, non-magnetic. Weak to mod pervasive green amp. Common qz-cb veining. Moderate sericite? Alteration creating light grey colour.	Patchy trace to 3.5% vfg disseminated and litho hosted po min. Local HZ creating strong green amp alt and 7% diss and threaded po mineralization. LC is gradational.										
	F019403	303.2	303.9	0.005																	
	F019404	303.9	304.2	0.005																	
	F019405	304.2	305.2	0.005																	
305	F019406	305.2	305.8	0.005																	
	F019407	305.8	306.4	0.005																	
	F019408	306.4	307.1	0.005																	
	F019409	307.1	307.8	0.005																	
	F019411	307.8	308.3	0.005																	
	F019412	308.3	308.9	0.005																	
	F019413	308.9	309.3	0.005																	
310	F019414	309.3	310	0.005																	
	F019415	310	310.7	0.005																	
	F019416	310.7	311.3	0.005																	
	F019417	311.3	312	0.007																	
	F019418	312	313	0.007																	
	F019419	313	314	0.005																	
	F019421	314	315	0.005																	
315	F019422	315	316	0.005																	
	F019423	316	317	0.005																	
	F019424	317	318	0.005																	
	F019425	318	319	0.005																	
	F019426	319	320	0.007																	
320	F019427	320	321	0.007																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019427	320	321	0.007	302.5	342.2	2	GG	MA	Light greenish-grey, fgr, mafic metavolcanic (2) massive to locally foliated, non-magnetic. Weak to mod pervasive green amp. Common qz-cb veining. Moderate sericite? Alteration creating light grey colour.	Patchy trace to 3.5% vfg disseminated and litho hosted po min. Local HZ creating strong green amp alt and 7% diss and threaded po mineralization. LC is gradational.										
	F019428	321	322	0.007																	
	F019429	322	322.9	0.007																	
	F019431	322.9	323.4	0.005																	
	F019432	323.4	323.9	0.005																	
	F019433	323.9	324.9	0.005																	
325	F019434	324.9	325.9	0.005																	
	F019435	325.9	326.7	0.01																	
	F019436	326.7	327.5	0.011																	
	F019437	327.5	328.3	0.025																	
	F019438	328.3	328.7	0.009																	
	F019439	328.7	329.3	0.009																	
	F019441	329.3	330	0.009																	
330	F019442	330	331	0.008																	
	F019443	331	332	0.009																	
	F019444	332	333	0.011																	
	F019445	333	334	0.01																	
	F019446	334	335	0.011																	
335	F019447	335	336	0.011																	
	F019448	336	337	0.012																	
	F019449	337	337.6	0.014																	
	F019451	337.6	338.1	0.012																	
	F019452	338.1	338.5	0.012																	
	F019453	338.5	339.4	0.011																	
340	F019454	339.4	340.3	0.014																	
	F019455	340.3	341.2	0.02																	
	F019456	341.2	342.2	0.016																	
	F019457	342.2	343	0.015	342.2	369.4	7A	DG	MO	Dark green, mgr-cgr, gabbro (7A) massive and mottled, non-magnetic. Strong pervasive green amp aw/ variable mgr-cgr green amp crystals with no preferential orientation.	Common qz-cb crack seal veining throughout typically observed with mafic rocks. Local trace litho hosted disseminations of po min. LC is gradational.										
	F019458	343	344	0.013																	
	F019459	344	345	0.013																	
345	F019461	345	346	0.013																	
	F019462	346	347	0.008																	
	F019463	347	348	0.011																	
	F019464	348	349	0.005																	
	F019465	349	350	0.005																	
350	F019466	350	351	0.009																	
	F019467	351	352	0.006																	
	F019468	352	353	0.005																	
	F019469	353	354	0.006																	
	F019471	354	355	0.013																	
355	F019472	355	356	0.005																	
	F019473	356	357	0.014																	
	F019474	357	358	0.007																	
	F019475	358	359	0.009																	
	F019476	359	360	0.034																	
360	F019477	360	361	0.011																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019477	360	361	0.011	342.2	369.4	7A	DG	MO	Dark green, mgr-cgr, gabbro (7A) massive and mottled, non-magnetic. Strong pervasive green amp aw/ variable mgr-cgr green amp crystals with no preferential orientation.	Common qz-cb crack seal veining throughout typically observed with mafic rocks. Local trace litho hosted disseminations of po min. LC is gradational.										
	F019478	361	362	0.013																	
	F019479	362	363	0.011																	
	F019481	363	364	0.026																	
	F019482	364	365	0.012																	
365	F019483	365	366	0.007																	
	F019484	366	367	0.018																	
	F019485	367	368	0.009																	
	F019486	368	369	0.021																	
	F019487	369	369.4	0.005																	
370	F019488	369.4	370	0.005	369.4	381	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Strong pervasive green amp throughout causing green colour. Common thin cb crack seal/tension gashes typically associated w/ mafics. No visible mineralization. LC is gradational.											
	F019489	370	371	0.015																	
	F019491	371	372	0.01																	
	F019492	372	373	0.005																	
	F019493	373	374	0.005																	
	F019494	374	375	0.005																	
375	F019495	375	376	0.007																	
	F019496	376	377	0.005																	
	F019497	377	378	0.005																	
	F019498	378	379	0.005																	
	F019499	379	380	0.005																	
380	F019501	380	381	0.005																	
	F019502	381	382	0.005	381	398.5	7A	DG	MA	Dark green, mgr, gabbro (7A) massive, non-magnetic. Mgr angular green amp crystals with no preferential orientation. Common qz-cb crack seal veins/ tension gashes. Local trace disseminated po mineralization. LC is gradational.											
	F019503	382	383	0.005																	
	F019504	383	384	0.005																	
	F019505	384	385	0.005																	
385	F019506	385	386	0.005																	
	F019507	386	387	0.005																	
	F019508	387	388	0.005																	
	F019509	388	389	0.006																	
	F019511	389	390	0.005																	
390	F019512	390	391	0.006																	
	F019513	391	392	0.005																	
	F019514	392	393	0.005																	
	F019515	393	394	0.005																	
	F019516	394	395	0.012																	
395	F019517	395	396	0.009																	
	F019518	396	397	0.005																	
	F019519	397	398	0.005																	
	F019521	398	398.5	0.005																	
	F019522	398.5	399	0.005	398.5	443	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Strong fgr green amp alteration throughout groundmass. Common cb tension gashes locally weakly brecciating unit. Local 0.75-1% diss/blebby po min hosted in groundmass. LC is gradational.											
	F019523	399	400	0.005																	
400	F019524	400	401	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019524	400	401	0.005																	
	F019525	401	402	0.005																	
	F019526	402	403	0.005																	
	F019527	403	404	0.005																	
	F019528	404	405	0.005																	
405	F019529	405	406	0.005																	
	F019531	406	407	0.005																	
	F019532	407	408	0.006																	
	F019533	408	409	0.005																	
	F019534	409	410	0.007																	
410	F019535	410	411	0.01																	
	F019536	411	412	0.007																	
	F019537	412	413	0.007																	
	F019538	413	414	0.007																	
	F019539	414	415	0.005																	
415	F019541	415	416	0.005																	
	F019542	416	417	0.009																	
	F019543	417	418	0.009																	
	F019544	418	419	0.011																	
	F019545	419	420	0.019																	
420	F019546	420	421	0.009	398.5	443	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Strong fgr green amp alteration throughout groundmass. Common cb tension gashes locally weakly brecciating unit. Local 0.75-1% diss/blebby po min hosted in groundmass. LC is gradational.											
	F019547	421	422	0.006																	
	F019548	422	423	0.011																	
	F019549	423	424	0.008																	
	F019551	424	425	0.008																	
425	F019552	425	426	0.009																	
	F019553	426	427	0.009																	
	F019554	427	428	0.013																	
	F019555	428	429	0.015																	
	F019556	429	430	0.02																	
430	F019557	430	431	0.012																	
	F019558	431	432	0.005																	
	F019559	432	433	0.005																	
	F019561	433	434	0.005																	
	F019562	434	435	0.006																	
435	F019563	435	436	0.009																	
	F019564	436	437	0.005																	
	F019565	437	437.7	0.005																	
	F019566	437.7	438	0.005																	
	F019567	438	439	0.005																	
	F019568	439	440	0.005																	
440	F019569	440	441	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019569	440	441	0.005	398.5	443	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Strong fgr green amp alteration throughout groundmass. Common cb tension gashes locally weakly brecciating unit. Local 0.75-1% diss/blebby po min hosted in groundmass. LC is gradational.											
	F019571	441	442	0.005																	
	F019572	442	443	0.005																	
	F019573	443	444	0.005	443	444	7A	DG	MA	Dark green, mgr, gabbro (7A) massive, non-magnetic. Mgr green amp crystals increasing in size grading downhole. Weak crack seal veining. No mineralization. EOH.											
445																					
450																					
455																					
460																					
465																					
470																					
475																					
480																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	3.8	CASING														
	F010501	3.8	4.8	0.014	3.8	5.6	7A	DG	FOL	Dark green gabbro (7A). Well foliated w/ mgr attenuated clasts. Weakly magnetic. 1-2% qz-cb veining. Core is blocky at beginning of hole. Wk-mod cb altn. No visible mineralization. Sharp LC.											
	F010502	4.8	5.6	0.016																	
	F010503	5.6	6.2	0.145	5.6	6.9	4F	B	POR BL	Black-brown grt-bt schist (4F). Fine grained w/ abund cgr to scattered very cgr subhedral grt grains. Locally weakly magnetic. Well foliated. 1-2% qz-cb veinlets. Fabric (bt stringers) attenuates around larger grt grains. No sig mineralization. Sharp LC.											
	F010504	6.2	6.9	0.017																	
	F010505	6.9	7.3	0.062	6.9	7.3	2U	G	POR BL	Med grey greenish grt bearing mafic volc (2U) or metased (6W). Fine grained w/ mgr patches (elongate mgr mafic minz). Weakly magnetic. Well foliated. Mod mgr subhedral grt scattered. Unsure whether 2U or altered 6W. Minor qz-cb veinlets. No visible minz.	Sharp UC and LC.										
	F010506	7.3	8	0.024																	
	F010507	8	8.5	0.045	7.3	8.9	4F	B	POR BL												
	F010508	8.5	8.9	0.039																	
	F010509	8.9	9.5	0.005	8.9	22.7	7A	DG	FOL	Black to brown grt-bt schist (4F). Fine grained w/ abundant mgr subhedral grt. Patchy ser altn giving core a more greyish colour (looks like grey band 10cm wide). Weakly magnetic to locally mod magnetic. 1-3% qz-cb veining. Trc scattered Po.											
	F010511	9.5	10.2	0.035																	
	F010512	10.2	11	0.022																	
	F010513	11	12	0.016																	
	F010514	12	12.4	0.051																	
	F010515	12.4	12.8	0.031																	
	F010516	12.8	13.4	0.017																	
	F010517	13.4	14.2	0.011																	
	F010518	14.2	15.2	0.018						Dark green to grey-green gabbro (7A). M-cgr. Well fol. Weakly magnetic. Possible UM (1) around 12.4-12.8m (greyer in colour, musc altn, slightly softer, but texture is similar to gabbro). Scattered Po/Py from trc-3% seen in both veining and groundmass.	1-2% minor qz-cb veinlets. Mod pervasive cb. Patchy bt wisps, increasing towards sharp LC.										
	F010519	15.2	16.2	0.025																	
	F010521	16.2	17.2	0.015																	
	F010522	17.2	18	0.017																	
	F010523	18	18.8	0.02																	
	F010524	18.8	19.1	0.01																	
	F010525	19.1	20	0.009																	
	F010526	20	20.5	0.015																	
	F010527	20.5	21.5	0.025																	
	F010528	21.5	22	0.012																	
	F010529	22	22.7	0.024																	
	F010531	22.7	23.2	0.011	22.7	34.9	4FE	GG	BA	Alternating between dark grey-green and brown. Grt-bt schist w/ abundant grt-amp bands (4FE). Fine grained w/ abundant mgr subhedral to locally anhedral grt. Locally magnetic, predominantly assoc w/ grt-amp bands. 5-6% qz-cb veining.	Scattered Po/Py up to 1-2% in both litho and veining. Local wispy/irregular pink 'bands' that is same colour as grt, but on fresh surface looks silicified. Well banded and foliated. Mod local cb altn. Sharp LC.										
	F010532	23.2	23.7	0.025																	
	F010533	23.7	24.2	0.043																	
	F010534	24.2	25	0.025																	
	F010535	25	25.9	0.033																	
	F010536	25.9	26.4	0.075																	
	F010537	26.4	27.4	0.315																	
	F010538	27.4	28.4	1.69																	
	F010539	28.4	29.1	0.111																	
	F010541	29.1	30	0.369																	
	F010542	30	30.4	0.035																	
	F010543	30.4	31	0.046																	
	F010544	31	32	0.06																	
	F010545	32	32.8	0.379																	
	F010546	32.8	33.6	1.57																	
	F010547	33.6	34.3	0.111																	
	F010548	34.3	34.9	0.137																	
	F010549	34.9	35.7	0.011	34.9	37.3	6W	G	FOL	Dark grey to black grt-bearing metased (6W). Fine grained w/ scattered an-subhedral mgr grt. Well foliated. Locally very weakly magnetic. 5-6% qz-cb veining. Minor cb veinlets present. Scattered minor methane fault splays. No significant Po.											
	F010551	35.7	36.6	0.01																	
	F010552	36.6	37.3	0.01																	
	F010553	37.3	38	0.019	37.3	46.5		G	LA	Dark grey-black metased (6). Fine grained. Well laminated to foliated. Abundant bt wisps. 5-6% qz-cb veining. No significant mineralization. Multiple minor methane fault splays scattered throughout, and locally fractured. Locally very weakly magnetic.	Meth fault splays have cb infill and beige to pink staining bleeding out. Sharp LC.										
	F010554	38	39	0.008																	
	F010555	39	40	0.007																	
	F010556	40	41	0.009																	

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Depth	Sample	Assay From	Assay To	AU ppm	MAJOR UNIT From	To	Unit	Col	Text	Comments	Comments	MINOR UNIT Unit	Comments	ALTERATION Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010556	40	41	0.009	37.3	46.5		G	LA	Dark grey-black metased (6). Fine grained. Well laminated to foliated. Abundant bt wisps. 5-6% qz-cb veining. No significant mineralization. Multiple minor methane fault splays scattered throughout, and locally fractured. Locally very weakly magnetic.	Meth fault splays have cb infill and beige to pink staining bleeding out. Sharp LC.										
	F010557	41	42	0.008																	
	F010558	42	43	0.005																	
	F010559	43	44	0.005																	
	F010561	44	45	0.006																	
45	F010562	45	46	0.016																	
	F010563	46	46.5	0.005																	
	F010564	46.5	47	0.017	46.5	49.1	7A	DG	FOL	Dark green gabbro (7A). Mgr to cgr. Well foliated. Weakly magnetic. 1-2% qz-cb veining. Trc local Py seen in groundmass. Minor possible methane fault splays (cb infill cross-cutting fabric). Brittle fault from 48.3-49.4m, leaving core blocky 30cm of core missing due to brittle faulting. Core recovered is blocky.										
	F010565	47	47.5	0.057																	
	F010566	47.5	48.3	0.018																	
	F010567	48.3	49.1	0.014																	
	F010568	49.4	50	0.045	49.1	49.4	VOI														
50	F010569	50	51	0.017	49.4	50	D	DG	FOL	Same as above gabbro (7A). Increased cb stringer near UC w/ fault. Trc blebby Po mostly assoc w/ minor veinlets. Minor methane fault splays (very thin) cross-cutting fabric. Well foliated. Weakly foliated. Dark green and mgr. Sharp LC.										
	F010571	51	51.5	0.021	50	51.5	7A / 6W	G	FOL	Dark grey grt-bearing metased (6W). Well foliated w/ SZ from 50-50.9m and 51.2-52.7m. SZ has abundant cb stringers and sharp contacts. Sheared LC. Weakly magnetic. Fine grained w/ scattered mgr subhedral grt (~3-5%). Minor qz-cb veinlets. No sig minz.										
	F010572	51.5	51.8	0.016	51.5	51.8	7A	DG	FOL	Dark green gabbro (7A). Mgr and well foliated. SZ w/ abundant cb stringers through unit. No significant qz-cb veining. Weakly magnetic. UC and LC are sheared so a little difficult to pin-point exact contact. No visible mineralization.										
	F010573	51.8	52.3	0.011	51.8	52.3	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w/ scattered mod mgr subhedral grt. SZ until 52.7m, with abundant cb stringers. Well foliated. Weakly magnetic. Trc blb-str Po mostly assoc w/ groundmass. Sheared LC. 1% qz-cb veining.										
	F010574	52.3	53	0.015	52.3	59.2	7A	DG	FOL	Dark green gabbro (7A). Mgr & well foliated. SZ extends into this unit until 52.7m w/ abundant cb stringers. Patchy cb stringers & 2-3% cb veining. Patchy int bt. Scattered minor meth fault splays w/ cb infill & local beige staining bleeding outwards.	No significant mineralization. Weakly magnetic. Brittle fault at 56.4-56.6m with poss weak gouge. 10 spks of VG in grey qz-cb veinlet at 58.3m. Trc Py seen near VG.										
	F010575	53	54	0.028																	
	F010576	54	55	0.021																	
55	F010577	55	56	0.041																	
	F010578	56	57	0.033																	
	F010579	57	57.6	0.057																	
	F010581	57.6	58.2	0.022																	
	F010582	58.2	58.5	7.39																	
	F010583	58.5	58.8	0.056																	
	F010584	58.8	59.2	0.024																	
	F010585	59.2	60	0.011	59.2	62.2	6W	G	LA	Dark grey grt-bearing metased (6W). Fine grained. Well laminated. Very weakly magnetic. 1-2% qz-cb veining. Trc Po localized in host rock towards LC. Weak cb stringers near thicker vein at 61.6m. Sharp LC.										
60	F010586	60	61	0.015																	
	F010587	61	61.7	0.007																	
	F010588	61.7	62.2	0.008																	
	F010589	62.2	63.1	0.13	62.2	63.1	4F	BK	POR BL	Dark grey-black grt-bt schist (4F). Fine grained w/ abundant mgr subhedral grt. Well foliated. Gradational LC. Very weakly magnetic. Minor qz-cb veinlets present. Up to 1% str-blb Po assoc w/ groundmass and locally interstitial to grt.										
	F010591	63.1	63.8	0.009	63.1	64.5	6W	G	LA	Dark grey grt-bearing metased (6W). Fine grained. Well laminated to foliated. Mod m-cgr anhedral and attenuated pink grt. Minor scattered qz-cb veinlets. Locally very weakly magnetic. Trc up to 1% blb-str Po assoc w/ groundmass. Gradational LC.										
	F010592	63.8	64.1	0.009																	
	F010593	64.1	64.5	0.009																	
65	F010594	64.5	64.9	0.257	64.5	65.5	4F	BK	POR BL	Dark grey-black grt-bt schist (4F). Fine grained w/ abundant m-cgr sub-euhedral grt. Weakly magnetic to locally magnetic. Sporadic bands of that appear more like a 6W (<10cm wide). 5% qz-cb and cb veining. Trc Po/Py w/ Py up to 5% in veining. Sharp LC.	Well foliated.									
	F010595	64.9	65.5	0.954	65.5	91.4	7A	DG	FOL	Dark green gabbro (7A). Mgr. Well fol to lcl massive. Abundant bt wisps throughout unit. Abundant chl altn (or light green ser, very soft). 3-4% cb vns w/ sporadic qz-cb vns. Trc blb Po assoc w/ veins. Weak-mod local fracturing. Sct wk meth fault splays	Multiple faults, some with unconsolidated fault gouge (80.2-80.5m & 89-89.6m). SZ at 75.7-76m w/ abundant bt wisps & cb stringers. Minor pink staining w/in qz-cb infill of methane fault splays. Trc-2% Po assoc w/ vns & groundmass. Irregular & broken LC.										
	F010596	65.5	66.3	0.025																	
	F010597	66.3	67	0.029																	
	F010598	67	68	0.035																	
	F010599	68	69	0.042																	
	F010601	69	70	0.027																	
70	F010602	70	71	0.025																	
	F010603	71	72	0.025																	
	F010604	72	73	0.024																	
	F010605	73	74	0.025																	
	F010606	74	75	0.081																	
75	F010607	75	76	0.034																	
	F010608	76	77	0.025																	
	F010609	77	77.5	0.029																	
	F010611	77.5	78.5	0.033																	
	F010612	78.5	79	0.044																	
	F010613	79	79.3	0.11																	
	F010614	79.3	80	0.046																	
	F010615	80	81	0.041																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010615	80	81	0.041	65.5	91.4	7A	DG	FOL	Dark green gabbro (7A). Mgr. Well fol to lcl massive. Abundant bt wisps throughout unit. Abundant chl altn (or light green ser, very soft). 3-4% cb vns w/ sporadic qz-cb vns. Trc blb Po assoc w/ veins. Weak-mod local fracturing. Sct wk meth fault splays	Multiple faults, some with unconsolidated fault gouge (80.2-80.5m & 89-89.6m). SZ at 75.7-76m w/ abundant bt wisps & cb stringers. Minor pink staining w/in qz-cb infill of methane fault splays. Trc-2% Po assoc w/ vns & groundmass. Irregular & broken LC.									
	F010616	81	81.6	0.054																	
	F010617	81.6	81.9	0.021																	
	F010618	81.9	82.6	0.04																	
	F010619	82.6	83.3	0.027																	
	F010621	83.3	83.6	0.02																	
	F010622	83.6	84.4	0.03																	
85	F010623	84.4	85	0.037																	
	F010624	85	86	0.019																	
	F010625	86	87	0.022																	
	F010626	87	88	0.012																	
	F010627	88	89	0.016																	
	F010628	89	90	0.016																	
90	F010629	90	90.8	0.025						Dark grey grt-bearing metased (6W). Fine grained. Well laminated to foliated. Could also just be a gradational contact between the 7A and 4F. Locally weakly magnetic. Irregular UC (irregular qz-cb vein, and fractured rock).										
	F010631	90.8	91.4	0.016																	
	F010632	91.4	91.8	0.01	91.4	91.8	6W	G	LA	Dark grey-black grt-bt schist (4F). Fgr w/ mod very cgr subhedral grt scattered throughout. Abundant bt wisps. 2-3% qz-cb veining. No sig minz. Local folding of fabric and veining. LC is gradational, but it could also be a chill margin w/ 2U below.	Cgr to very cgr subhedral grt are predominantly localized to a band near UC. Gradational LC. No sig minz. 1% qz-cb veining.									
	F010633	91.8	92.6	0.011	91.8	93.2	4F	BK	POR BL												
	F010634	92.6	93.2	0.013																	
	F010635	93.2	94	0.016	93.2	94.4	2U	GG	FOL	Dark grey-green grt-bearing mafic volc (2U). Fgr w/ patches of mgr clasts. Weak-mod sporadic m-cgr subhedral grt. Weakly magnetic. Abundant bt wisps (localized towards LC). 1% minor qz-cb stringers. No sig minz visible. Well foliated.	Locally weakly magnetic. Local chert bands between 92.4-92.6m. Well foliated.									
	F010636	94	94.4	0.012																	
95	F010637	94.4	95	0.015	94.4	99.3	4F	BK	POR BL	Black/purple grt-bt schist (4F). Fgr w/ abundant f-cgr subhedral grt. Well foliated. Grt grains at beginning of unit are cgr and slowly grade to fgr. Grt's are cgr near LC. 7-10% qz-cb, localized to 97-98.1m. Trc Po blebs in vns and interstitial to grt.	Locally magnetic. Minor grt-amp bands assoc w/ area of qz-cb veining.									
	F010638	95	96	0.011																	
	F010639	96	96.9	0.028																	
	F010641	96.9	97.7	2.27																	
	F010642	97.7	98.3	0.081																	
	F010643	98.3	99.3	0.021																	
100	F010644	99.3	100.2	0.017	99.3	101.7	7A	GG	FOL	Dark grey-green grt-amp BIF (4E). Fine grained w/ abundant cgr subhedral grt. Weakly magnetic. Well banded. Locally weakly folded w/ minor meth splay through fold axis. Up to 1% blb Po predominantly interstitial to grt. Minor qz-cb veinlets. Sharp LC.	Sharp UC and LC. No vis minz in gabbro. Brittle fault/fracturing assoc w/ weak meth fault splay at 100.6-101m. Well foliated.	4E	Poorly developed grt-amp IF (4E) intercalted w/ gabbro (7A). Well foliated to weakly banded. Magnetic. Minor methane fault splay cutting through unit. 1% Po and trc Py in litho and vns. 1-2% qz-cb veining.									
	F010645	100.2	100.7	0.011																	
	F010646	100.7	101.2	0.008																	
	F010647	101.2	101.7	0.025	101.7	102.1	4E	GG	BA	Dark grey-green gabbro (7A). Fine-med grained. Well foliated w/ abundant bt wisps. Very weakly magnetic. Very trc Po specks near LC. 2-3% cb stringers/veinlets. Sharp LC.		4EF	Dark grey-green grt-amp BIF w/ mod grt-bt bands (4EF). Magnetic. Well banded. Up tp 1% Po seen in veining and litho. 1-2% qz-cb veining.									
	F010648	101.7	102.1	0.02	102.1	102.9	7A	GG	FOL												
	F010649	102.1	102.9	0.018	102.9	103.3	4F	BK	POR BL	Black grt-bt schist (4F). Fine grained w/ m-cgr subhedral grt. Well foliated. Locally weakly magnetic. Sharp LC. Minor cb stringers near LC. Up to 2% str-blb Po assoc w/ litho and weakly w/ cb stringers.											
	F010651	102.9	103.3	0.008																	
	F010652	103.3	104	0.016	103.3	111.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Local minor patches of mgr clasts. Weakly magnetic. SZ from 103.8-104.6 w/ increased foliation, wavy fabric, wispy qz-cb stringers and bt wisps present. Host rock has patches of bt wisps.	Brittle fault w/ poss gouge at 106.5-106.8m. Local fracturing. No visible mineralization, LC is sharp.									
105	F010653	104	105	0.014																	
	F010654	105	106	0.012																	
	F010655	106	107	0.007																	
	F010656	107	108	0.014																	
	F010657	108	109	0.011																	
	F010658	109	109.9	0.017																	
110	F010659	109.9	110.9	0.014																	
	F010661	110.9	111.9	0.023																	
	F010662	111.9	112.3	0.146	111.9	112.6	4B	DG	BA	Dark green/blue, aph, chert-mag BIF (4B) planar alternating bands, locally weakly magnetic, strongly magnetic. Weak to mod gru alteration of magnetite occurs commonly. Minor carb alteration of chert bands.	Trace disseminated po min associated w/ chert. LC is sharp									
	F010663	112.3	112.6	0.075																	
	F010664	112.6	113.6	0.018	112.6	117.5	7A	DG	MA	Dark green, cgr, gabbro (7A) massive to weakly foliated, non-magnetic. Crystal size ranges from 1-8mm and become coarser grained towards center of unit, amphibole crystals locally become mod attenuated along foliation where wk HZ occurs.											
	F010665	113.6	114.6	0.029																	
115	F010666	114.6	115.6	0.012						Dark green/blue, aph, chert-mag BIF (4B) planar alternating bands, strongly, magnetic. Mod gru alteration on margins of magnetite bands. Weak carb tension gashes adjacent to contacts. Local 3% threaded po min associated w/ UC. LC is sharp.	Weak qz-carb crack seal veins, no mineralization. LC is sharp.									
	F010667	115.6	116.6	0.014																	
	F010668	116.6	117.5	0.005																	
	F010669	117.5	117.8	0.013																	
	F010671	117.8	118.3	0.059	117.5	118.3	4B	DG	BA	Light green, mgr, gabbro (7A) massive to weakly foliation, non-magnetic. Mgr crystals are weakly attenuated along foliation axis. Wk bt throughout. Common planar qz-carb veins. No mineralization. LC is sharp.											
	F010672	118.3	119	0.033	118.3	120	7A	LG	FOL	Dark green/blue, aph, chert-mag BIF (4B) planar alternating bands/laminae, strongly magnetic. Mod gru alteration of magnetite occurs in top 10cm of unit. Trace disseminated po min. Minor mafic unit @ 120.4 m w/ sharp contacts. LC is sharp.											
	F010673	119	120	0.04																	
	F010674	120	120.8	0.034	120	120.8	4B	DG	LA												

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010674	120	120.8	0.034	120	120.8	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar alternating bands/laminae, strongly magnetic. Mod gru alteration of magnetite occurs in top 10cm of unit. Trace disseminated po min. Minor mafic unit @ 120.4 m w/ sharp contacts. LC is sharp.		2									
	F010675	120.8	121.6	0.016	120.8	125.8	7A	DG	MA	Dark green, mgr, gabbro (7A) weakly foliated to massive, non-magnetic. Grain size becomes fgr grading downhole. Carb tension gashes located in upper half of unit. No mineralization. LC is sharp.											
	F010676	121.6	122.6	0.012																	
	F010677	122.6	123	0.01																	
	F010678	123	124	0.013																	
	F010679	124	125	0.022																	
125	F010681	125	125.8	0.009																	
	F010682	125.8	126.2	0.015	125.8	126.2	4B	DG	BA	Dark green/blue, aph, chert-mag BIF (4B) planar to distorted alternating bands, strongly magnetic. No grunerite present. Distortion increases grading downhole. No veining. ~6% mineralization throughout unit associated w. mag bands. LC is sharp.											
	F010683	126.2	127.2	0.039	126.2	139.1	7A	LG	MA	Light green, cgr, gabbro (7A) massive to weakly foliated, non-magnetic. Amp crystals range from 1-4mm wise and are coarser towards centre of unit, locally weakly attenuated along foliation. Common carb microfractures observed throughout.	~4% disseminated and interstitial litho hosted po min, & minor 4B's @ 128.8 & 129.1 m hosting ~4% blebby po mineralization. LC is sharp.	4B									
	F010684	127.2	128.2	0.088								4B									
	F010685	128.2	128.8	0.05																	
	F010686	128.8	129.3	0.07																	
130	F010687	129.3	130.3	0.027																	
	F010688	130.3	131.3	0.018																	
	F010689	131.3	132.3	0.021																	
	F010691	132.3	133.2	0.029																	
	F010692	133.2	133.5	0.021																	
	F010693	133.5	134.5	0.032																	
135	F010694	134.5	135.5	0.012																	
	F010695	135.5	136.5	0.012																	
	F010696	136.5	137.5	0.016																	
	F010697	137.5	138.5	0.014																	
	F010698	138.5	139.1	0.01																	
	F010699	139.1	139.7	0.013	139.1	140.8	1	GG	DIST	Light greenish- grey, fgr, ultramafic (1) massive to mod distorted, non-magnetic. Soft due to tlc + srp abundance, soapy texture. Weak amphibole content causes greenish hue. Irregular qz veinlets observed.	Minor mafic @ 139.8 m hosting trace po disseminations. LC is sharp.	2									
	F010701	139.7	140	0.016																	
140	F010702	140	140.8	0.05																	
	F010703	140.8	141.3	0.024	140.8	144.7	7A	DG	MA	Dark green, mgr, gabbro (7A) massive, non-magnetic. Grainsize becomes coarser grading downhole. Int HZ develops @ 143.3 m causing strong wispy bt min and patchy qz-fds flooding. Qz-carb veining also increases in HZ. No mineralization. LC is gradational.											
	F010704	141.3	142	0.041																	
	F010705	142	143	0.037																	
	F010706	143	144	0.364																	
	F010707	144	144.3	0.056																	
	F010708	144.3	144.7	0.049																	
145	F010709	144.7	145.3	0.024	144.7	146.3	2U	B	DIST	Brownish-grey, fgr groundmass, grt-bearing mafic (2U) intensely distorted, cgr subhedral porph grts, non-magnetic. Intense wispy bt + pervasive carb alteration. Grts seem to be a product of strain. No visible mineralization. LC is sharp.											
	F010711	145.3	146.3	0.028																	
	F010712	146.3	147	0.078	146.3	147.6	4BF	DG	BA	Dark green/blue/brown, aph, chert-mag BIF w/ abundant bands of grt-bt schist (4BF) mod distorted to planar alternating bands, fgr-mgr porph grts, strongly magnetic. Weak to mod patchy qz flooding due to strain. Local trace po min. LC is gradational.											
	F010713	147	147.6	0.355																	
	F010714	147.6	148.4	0.022	147.6	148.4	4EA	BE	BA	Beige/green/blue, aph, grt-gru-amp + chert BIF (4EA) very poorly developed, planar alternating bands, mod magnetic. Weak to mod gru presence, decreases grading downhole. Grts decrease in size grading downhole.	No significant veining or visible mineralization. LC is gradational.										
	F010715	148.4	149.1	0.005	148.4	152.1	4BF	DG	BA	Dark green/blue/brown, aph, chert-mag BIF w/ abundant bands of grt-bt schist (4BF) planar alternating bands, fgr-mgr sub-euhedral porph grts, strongly magnetic. Weak gru alteration of magnetite decreasing in abundance grading downhole.	4F bands also decrease in abundance grading towards LC. Minor metased @ 151.5m. No significant veining or visible mineralization. LC is gradational.										
	F010716	149.1	150.1	0.006																	
150	F010717	150.1	151.1	0.007																	
	F010718	151.1	152.1	0.045																	
	F010719	152.1	153	0.475	152.1	155.4	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar alternating laminae, strongly magnetic. Local minor 4F bands occur and are generally seem in areas of higher strain. Local qz flooding caused by patchy HZ's. No veining or visible mineralization.	LC is sharp.										
	F010721	153	154	0.071																	
	F010722	154	155	0.022																	
155	F010723	155	155.4	0.077																	
	F010724	155.4	156.4	0.089	155.4	159.3	2T	DG	DIST	Dark green/brown, fgr, intensely biotitized mafic metavolcanic (2T) mod distorted and weakly foliated, non-magnetic. Moderate green amphibole abundance. Common planar qz veins. No mineralization. LC is sharp.											
	F010725	156.4	157.4	0.262																	
	F010726	157.4	158	0.023																	
	F010727	158	159	0.021																	
	F010728	159	159.3	0.006																	
	F010729	159.3	160	0.008	159.3	160.4	1	G	DIST	Light grey, fgr, ultramafic (1) massive to mod distorted, non-magnetic. Strong tlc + srp alteration causing soapy texture and soft rock to scratch. Local parasitic folding observed in groundmass. No veining or mineralization. LC is sharp.											
	F010731	160	160.4	0.032																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010731	160	160.4	0.032	159.3	160.4	1	G	DIST	Light grey, fgr, ultramafic (1) massive to mod distorted, non-magnetic. Strong tlc + srp alteration causing soapy texture and soft rock to scratch. Local parasitic folding observed in groundmass. No veining or mineralization. LC is sharp.											
	F010732	160.4	161	0.023	160.4	173	2	DG	FOL	Dark green, fgr, mafic metavolcanic (2) weakly foliated, non-magnetic. Mod to strong green amphibole abundance locally seem as mgr crystals (making unit a 7A?) Strong pervasive bt throughout. Common thin carb crack seal veining throughout	unit. No mineralization observed. LC is faulted.										
	F010733	161	162	0.021																	
	F010734	162	163	0.115																	
	F010735	163	164	0.049																	
	F010736	164	165	0.044																	
165	F010737	165	166	0.027																	
	F010738	166	167	0.009																	
	F010739	167	168	0.012																	
	F010741	168	169	0.022																	
	F010742	169	170	0.022																	
170	F010743	170	171	0.024																	
	F010744	171	172	0.045																	
	F010745	172	173	0.44																	
	F010746	173	173.6	0.064	173	176.2	1	G	MA	Light grey, fgr, ultramafic (1) massive to weakly foliated, non-magnetic. Strong pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. No veining or mineralization. LC is sharp.											
	F010747	173.6	174.2	0.049																	
	F010748	174.2	175.2	0.068																	
175	F010749	175.2	176.2	0.01																	
	F010751	176.2	176.5	0.012																	
	F010752	176.5	177	0.013	176.2	194	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) mod to strongly distorted alternating laminae/bands, strongly magnetic. Patchy grt-bt bands occur where higher is observed, here parasitic/ z-folding occurs as well.	Local HZ causes mod white qz flooding and 3% blebby and threaded po mineralization. LC is gradational.										
	F010753	177	178	0.008																	
	F010754	178	179	0.016																	
	F010755	179	180	0.018																	
180	F010756	180	181	0.042																	
	F010757	181	182	0.007																	
	F010758	182	183	0.006																	
	F010759	183	184	0.007																	
	F010761	184	185	0.01																	
185	F010762	185	186	0.008																	
	F010763	186	187	0.044																	
	F010764	187	188	2.42																	
	F010765	188	189	0.171																	
	F010766	189	189.5	0.013																	
190	F010767	189.5	190.4	0.045																	
	F010768	190.4	191.4	0.019																	
	F010769	191.4	192.4	0.011																	
	F010771	192.4	192.7	0.012																	
	F010772	192.7	193.4	0.015																	
	F010773	193.4	194	0.005																	
	F010774	194	195	0.008	194	198.6	4BF	DG	BA	Dark green/brown/blue, aph, chert-mag BIF w/ abundant bands of grt-bt schist (4BF) well developed, planar alternating bands, fgr porph grts, strongly magnetic. Weak grunerite alteration of magnetite increases grading downhole. Bands are	weakly distorted adjacent to UC. ~35% semi-massive to netted po min associated w/ local strain. Wk KF @ 198.6 m w/ minor dextral offset. LC is gradational.										
195	F010775	195	195.3	0.033																	
	F010776	195.3	196	0.01																	
	F010777	196	197	0.01																	
	F010778	197	198	0.009																	
	F010779	198	198.6	0.008																	
	F010781	198.6	199.6	0.016	198.6	200.9	4EA	BE	BA	Beige/blue/green, aph, grt-gru-amp + chert BIF (4EA) planar to weakly distorted alternating bands, mod magnetic. Unit is poorly developed, and becomes more poorly developed grading downhole as grunerite decreases in abundance;	mod bt abundant. Local weak grey qz veins. No visible mineralization. LC is gradational.										
	F010782	199.6	200.3	0.016																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F010782	199.6	200.3	0.016	198.6	200.9	4EA	BE	BA	Beige/blue/green, aph, grt-gru-amp + chert BIF (4EA) planar to weakly distorted alternating bands, mod magnetic. Unit is poorly developed, and becomes more poorly developed grading downhole as grunerite decreases in abundance;	mod bt abundant. Local weak grey qz veins. No visible mineralization. LC is gradational/ strained showing z-folding, and a thickening of bt bands; 2% diss po min associated w/ bt bands. LC is sharp.										
F010783	200.3	200.9	0.026																	
F010784	200.9	201.9	0.061	200.9	203.3	4BF	DG	DIST	Dark green/blue/brown, aph, chert-mag BIF w/ abundant bands of grt-bt schist (4BF) planar to mod distorted alternating bands, fgr porph grts, strongly magnetic. Weak methane fault w/ strong hematite staining @ 201.7m, unit becomes highly											
F010785	201.9	202.7	0.018																	
F010786	202.7	203	0.021																	
F010787	203	203.3	0.02	203.3	203.6	6	BK	MA	Black, aph, metasediment (6) massive to weakly distorted, non-magnetic. Unit seems to be massive bt band. Irregular grey qz vein occurs in unit. Local blebs of po min. LC is sharp and irregular.											
F010788	203.3	203.6	0.016																	
F010789	203.6	204.6	0.011																	
F010791	204.6	204.9	0.013																	
F010792	204.9	205.9	0.01																	
F010793	205.9	206.9	0.01																	
F010794	206.9	207.9	0.005																	
F010795	207.9	208.9	0.01																	
F010796	208.9	209.9	0.009																	
F010797	209.9	210.5	0.013																	
F010798	210.5	211	0.005																	
F010799	211	212	0.005																	
F010801	212	213	0.005																	
F010802	213	214	0.009																	
F010803	214	215	0.014																	
F010804	215	216	0.014																	
F010805	216	217	0.008																	
F010806	217	218	0.012																	
F010807	218	219	0.009																	
F010808	219	220	0.385																	
F010809	220	221	0.015	203.6	237.6	4A	BE	DIST	Beige/bleu, aph, chert-gru BIF (4A) mod to strongly distorted due to mod HZ running through unit, weak to mod magnetic. Gru alteration increases in intensity grading downhole. Common unaltered mag bands present showing strong magnetism.	Fabric flip @ 204.5 m. Local 0.1-2.5% threaded/disseminated po min associated with areas of high strain. Local bt rich bands also associated with high strain. LC is sharp.										
F010811	221	222	0.02																	
F010812	222	223	0.011																	
F010813	223	224	0.013																	
F010814	224	225	0.022																	
F010815	225	225.5	0.023																	
F010816	225.5	226.3	0.01																	
F010817	226.3	227.1	0.005																	
F010818	227.1	228	0.005																	
F010819	228	229	0.04																	
F010821	229	230	0.005																	
F010822	230	231	0.005																	
F010823	231	232	0.005																	
F010824	232	233	0.01																	
F010825	233	233.9	0.01																	
F010826	233.9	234.7	0.021																	
F010827	234.7	235.3	0.005																	
F010828	235.3	236.1	0.013																	
F010829	236.1	236.4	0.059								6									
F010831	236.4	237.1	0.103																	
F010832	237.1	237.6	0.034																	
F010833	237.6	238.3	0.008	237.6	238.6	2	G	MA	Light grey, fgr, mafic metavolcanic (2) massive, non-magnetic. Weak bt alteration showing preferential orientation along foliation axis. Local banded amphibole in groundmass. No veining or mineralization.	Minor 4B from 238.5-238.6m hosting 1% diss po min. LC is sharp.										
F010834	238.3	238.6	0.005								4B									
F010835	238.6	239.6	0.008	238.6	240.9	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic. Intense tlc abundance, mod srp; causes soapy texture and soft rock to scratch. No veining or mineralization. Minor unmineralized mafic unit from 240.7-LC. LC is sharp.											
F010836	239.6	240.6	0.019																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010836	239.6	240.6	0.019	238.6	240.9	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic. Intense tlc abundance, mod srp; causes soapy texture and soft rock to scratch. No veining or mineralization. Minor unmineralized mafic unit from 240.7-LC. LC is sharp.		2									
	F010837	240.6	240.9	0.006	240.9	243.8	4B	LG	DIST	Light green/beige, aph, chert-mag BIF (4B) strongly distorted with little primary textures preserved, mod magnetic. High strain zone runs through unit causing distortion and wispy bt alteration. Mod gru alteration develops @ 242.6 m.	Continuous trace to 3% threaded/wispy po mineralization associated with strain. LC is sharp.										
	F010838	240.9	241.6	0.025																	
	F010839	241.6	242.6	0.066																	
	F010841	242.6	243.3	0.121																	
	F010842	243.3	243.8	0.172																	
	F010843	243.8	244.3	0.012	243.8	285	2	GG	FOL	Dark greenish-grey, fgr, mafic metavolcanic (2) mod foliated to distorted, non-magnetic. Strong pervasive green amp, wk-mod pervasive bt; increasing in abundance where higher strain occurs.	Common qz crack seal veining, local carb tension gashes shallowly x-cutting core. Cgr acicular sillimanite? from 271.5-273.5m. LC is sharp and irregular.										
245	F010844	244.3	245	0.011																	
	F010845	245	246	0.007																	
	F010846	246	247	0.012																	
	F010847	247	248	0.014																	
	F010848	248	249	0.01																	
	F010849	249	250	0.015																	
250	F010851	250	251	0.017																	
	F010852	251	252	0.009																	
	F010853	252	253	0.012																	
	F010854	253	254	0.017																	
	F010855	254	255	0.017																	
255	F010856	255	256	0.013																	
	F010857	256	257	0.005																	
	F010858	257	258	0.005																	
	F010859	258	259	0.018																	
	F010861	259	260	0.005																	
260	F010862	260	261	0.005																	
	F010863	261	262	0.005																	
	F010864	262	263	0.005																	
	F010865	263	264	0.005																	
	F010866	264	265	0.005																	
265	F010867	265	266	0.007																	
	F010868	266	267	0.005																	
	F010869	267	268	0.005																	
	F010871	268	269	0.008																	
	F010872	269	270	0.005																	
270	F010873	270	270.6	0.005																	
	F010874	270.6	271.2	0.005																	
	F010875	271.2	271.5	0.005																	
	F010876	271.5	272	0.006																	
	F010877	272	273	0.006																	
	F010878	273	274	0.01																	
	F010879	274	275	0.013																	
275	F010881	275	276	0.012																	
	F010882	276	277	0.015																	
	F010883	277	278	0.014																	
	F010884	278	279	0.005																	
	F010885	279	280	0.021																	
280	F010886	280	281	0.007																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010886	280	281	0.007	243.8	285	2	GG	FOL	Dark greenish-grey, fgr, mafic metavolcanic (2) mod foliated to distorted, non-magnetic. Strong pervasive green amp, wk-mod pervasive bt; increasing in abundance where higher strain occurs.	Common qz crack seal veining, local carb tension gashes shallowly x-cutting core. Cgr acicular sillimanite? from 271.5-273.5m. LC is sharp and irregular.										
	F010887	281	282	0.005																	
	F010888	282	283	0.005																	
	F010889	283	284	0.005																	
	F010891	284	285	0.005																	
285	F010892	285	285.3	0.822	285	285.3	4B	LG	DIST	Light green/beige/blue, aph, chert-mag BIF (4B) mod distorted, strongly magnetic. Mod gru alteration of magnetite; seems to be product of strain as unit is highly strained. Local boudinage of qz, 11.5% diss po min throughout unit increasing in	abundance approaching LC. LC is sharp.										
	F010893	285.3	286.3	0.005	285.3	287.3	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic, soft, intense tlc + srp causing soapy texture. Local wispy carb veinlets. No mineralization. LC is faulted.											
	F010894	286.3	287.3	0.023																	
	F010895	287.3	288	0.005	287.3	293.4	2	G	MA	Grey, fgr, mafic metavolcanic (2) massive to locally weakly foliated, non-magnetic. Mod pervasive bt + wk green amp alteration, local weak carb microfractures shallowly x-cutting core. No mineralization. LC is sharp.											
	F010896	288	289	0.005																	
	F010897	289	290	0.005																	
290	F010898	290	291	0.014																	
	F010899	291	292	0.005																	
	F010901	292	293	0.005																	
	F010902	293	293.4	0.005																	
	F010903	293.4	293.9	0.459	293.4	300.3	4B	DG	DIST	Dark green/beige/blue, aph, chert-mag BIF (4B) planar to mod distorted alternating laminae, strongly magnetic. Wk-mod gru alteration of magnetite. Local HZ's show isoclinal s-folding and show and increase in pyrrhotite mineralization ranging from	0.5-5%. LC is sharp.										
	F010904	293.9	294.5	1.46																	
295	F010905	294.5	294.8	0.029																	
	F010906	294.8	295.7	0.008																	
	F010907	295.7	296.6	0.024																	
	F010908	296.6	297.5	0.018																	
	F010909	297.5	298.4	0.018																	
	F010911	298.4	299.3	0.108																	
300	F010912	299.3	300.3	0.019																	
	F010913	300.3	301.3	0.47	300.3	301.3	2	G	DIST	Dark grey, fgr, mafic metavolcanic (2) massive to mod distorted, non-magnetic. Mod pervasive bt alteration. Local weak irregular qz veinlets. No mineralization. LC is sharp.											
	F010914	301.3	301.9	6.53	301.3	306.8	4B	DG	DIST	Dark green/beige/blue, aph, chert-mag BIF (4B) strongly distorted to planar alternating bands/laminae, strongly magnetic. Weak to mod gru alteration of magnetite increasing grading downhole. Int HZ from UC to 303.6 m showing strong distortion	and 6-8% blebby and wispy po mineralization generally associated with chert bands; z-folding caused by HZ. Common knife faulting with sinistral offset from 305.8-306.3 m. LC is sharp.										
	F010915	301.9	302.8	2.62																	
	F010916	302.8	303.6	7.81																	
	F010917	303.6	304.4	0.008																	
305	F010918	304.4	305.2	0.005																	
	F010919	305.2	306	0.01																	
	F010921	306	306.8	0.384																	
	F010922	306.8	307.8	0.011	306.8	311.5	2	G	DIST	Grey, fgr, mafic metavolcanic (2) mod distorted, non-magnetic. Mod-str pervasive/patchy bt alteration increasing in intensity towards center of unit. No significant veining or visible mineralization. LC is sharp.											
	F010923	307.8	308.8	0.011																	
	F010924	308.8	309.8	0.011																	
310	F010925	309.8	310.8	0.013																	
	F010926	310.8	311.5	0.007																	
	F010927	311.5	312	3.37	311.5	321.5	4B	BE	DIST	Beige/dark green/blue, aph, chert-mag BIF (4B) mod distorted to planar alternating laminae, strongly magnetic. Mod-str gru alteration of magnetite, does not affect magnetism; reason for 4b classification. Mod HZ's cause carbonate flooding and	folding, as well as 3-4% diss/blebby po mineralization. Z-, s-, and m-folding observed with isoclinal fold hinges. LC is sharp.										
	F010928	312	312.8	0.234																	
	F010929	312.8	313.8	0.006																	
	F010931	313.8	314.8	0.108																	
315	F010932	314.8	315.8	0.087																	
	F010933	315.8	316.8	0.023																	
	F010934	316.8	317.2	0.056																	
	F010935	317.2	318	0.005																	
	F010936	318	319	0.005																	
	F010937	319	320	0.203																	
320	F010938	320	321	0.337																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010938	320	321	0.337	311.5	321.5	4B	BE	DIST	Beige/dark green/blue, aph, chert-mag BIF (4B) mod distorted to planar alternating laminae, strongly magnetic. Mod-str gru alteration of magnetite, does not affect magnetism; reason for 4b classification. Mod HZ's cause carbonate flooding and	folding, as well as 3-4% diss/blebby po mineralization.										
	F010939	321	321.5	0.598																	
	F010941	321.5	322.2	0.364	321.5	322.2	4H	B	MA	Brown, fgr, pyrrhotite cemented breccia (4H) massive to distorted, mod magnetic. Two separate (splayed?) pyrrhotite breccias, with minor distorted 4A unit from 321.8-321.9 m. mgr-cgr rounded silica breccia clasts attenuated along foliation.	Z-, s-, and m-folding observed with isoclinal fold hinges. LC is sharp.	4A									
	F010942	322.2	322.9	0.186	322.2	322.9	QTZ VN	G	MA		~55% massive to semi-massive po mineralization through unit. LC is sharp.										
	F010943	322.9	323.9	0.03	322.9	330.3	4A	G	DIST	Dark grey, fgr, massive grey quartz vein, non-magnetic. Blebby pyrrhotite hosted in vein, as well as minor 4A xenolith hosting 3.5% wispy po mineralization. LC is sharp.											
	F010944	323.9	324.9	0.137																	
325	F010945	324.9	325.7	0.011																	
	F010946	325.7	326.2	0.009						Greenish-grey, aph, chert-gru BIF (4A) strongly distorted, weakly magnetic. Unit is highly strained throughout causing mod-str quartz flooding and strong distortion. Unit is strongly silicified and weakly brecciated.	Semi-continuous 1-2% blebby/disseminated po min associated with both HZ and qz flooding. LC is sharp.										
	F010947	326.2	327.2	0.106																	
	F010948	327.2	328	0.07																	
	F010949	328	329	0.008																	
	F010951	329	329.7	0.04																	
330	F010952	329.7	330.3	0.021																	
	F010953	330.3	330.7	0.014	330.3	331.2	QTZ VN	W	MA	Fgr massive white qz vein (flooding) caused by HZ seen in unit above. Minor local 4A xenoliths. ~3% blebby vein hosted po mineralization. LC is sharp.											
	F010954	330.7	331.2	0.007																	
	F010955	331.2	332	0.013	331.2	349.3	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Local mgr amphibole crystals (possible gradational gabbro grainsize?. Crack seal qz-carbonate veining common through unit. No visible mineralization.	LC is gradational and marked where consistent coarsening of grains occurs.										
	F010956	332	333	0.011																	
	F010957	333	334	0.018																	
	F010958	334	335	0.018																	
335	F010959	335	336	0.02																	
	F010961	336	337	0.016																	
	F010962	337	338	0.023																	
	F010963	338	339	0.016																	
	F010964	339	340	0.011																	
340	F010965	340	341	0.015																	
	F010966	341	342	0.012																	
	F010967	342	343	0.014																	
	F010968	343	344	0.014																	
	F010969	344	345	0.039																	
345	F010971	345	346	0.005																	
	F010972	346	347	0.012																	
	F010973	347	348	0.008																	
	F010974	348	348.8	0.01																	
	F010975	348.8	349.3	0.117																	
	F010976	349.3	350	0.009																	
350	F010977	350	351	0.006	349.3	352.5	7A	DG	MA	Dark green, mgr-cgr, gabbro (7A) massive, non-magnetic. Mgr-cgr amphibole crystal throughout. Common qz-carb crack seal veining throughout. No mineralization.											
	F010978	351	352	0.007																	
	F010979	352	352.5	0.013			MIS														
					352.5	353.2				70 cm grind											
	F010981	353.2	354	0.04			G														
	F010982	354	355	0.009																	
355	F010983	355	356	0.009																	
	F010984	356	357	0.009	353.2	368.6	7A	DG	MA	Continuation of previous unit. Again, variable grainsize, and common crack seal quartz-carbonate veining. Local trace litho hosted disseminated po mineralization. LC is gradational.											
	F010985	357	358	0.007																	
	F010986	358	359	0.007																	
	F010987	359	360	0.01																	
360	F010988	360	360.4	0.01																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F010988	360	360.4	0.01	353.2	368.6	7A	DG	MA	Continuation of previous unit. Again, variable grainsize, and common crack seal quartz-carbonate veining. Local trace litho hosted disseminated po mineralization. LC is gradational.											
	F010989	360.4	360.9	0.005																	
	F010991	360.9	361.9	0.005																	
	F010992	361.9	362.9	0.006																	
	F010993	362.9	363.9	0.006																	
	F010994	363.9	364.9	0.005																	
365	F010995	364.9	365.9	0.009																	
	F010996	365.9	366.9	0.005																	
	F010997	366.9	367.9	0.005																	
	F010998	367.9	368.6	0.005																	
	F010999	368.6	369.5	0.005	368.6	391.2	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive to weakly foliated, non-magnetic. High green amphibole content, weak to mod pervasive bt alteration. Local mgr amp crystals (possible gabbro?/outer extent of flow centre grading into cgr gabbro).	Common qz-carbonate crack seal veins continue through this unit. Mod sericite healed breccia. Semi-continuous trace diss po min from 373.3-382.5m. LC is gradational and marked where consistent cgr crystals occur.										
370	F011001	369.5	370.4	0.006																	
	F011002	370.4	371.3	0.005																	
	F011003	371.3	372.3	0.007																	
	F011004	372.3	373.3	0.005																	
	F011005	373.3	374	0.005																	
	F011006	374	375	0.005																	
375	F011007	375	375.6	0.008																	
	F011008	375.6	376.6	0.012																	
	F011009	376.6	377	0.005																	
	F011011	377	378	0.005																	
	F011012	378	378.6	0.027																	
	F011013	378.6	379.1	0.007																	
	F011014	379.1	380	0.008																	
380	F011015	380	381	0.007																	
	F011016	381	381.5	0.006																	
	F011017	381.5	382.5	0.007																	
	F011018	382.5	383.5	0.009																	
	F011019	383.5	384.3	0.008																	
	F011021	384.3	385.2	0.008																	
385	F011022	385.2	386.2	0.008																	
	F011023	386.2	387.2	0.01																	
	F011024	387.2	388.2	0.008																	
	F011025	388.2	389.2	0.009																	
	F011026	389.2	390.2	0.009																	
390	F011027	390.2	391.2	0.011																	
	F011028	391.2	392	0.013	391.2	428.4	7A	DG	MA	Dark green, mgr-cgr, gabbro (7A) massive, locally weakly foliated, non-magnetic. Varying amphibole crystal size, common qz-carbonate veins continue through unit with random orientations, local white qz crack seal veins.	Patchy trace to 2.5% fgr disseminated litho hosted po mineralization, locally increasing where strain occurs. Weak local brittle faulting. LC is sharp.										
	F011029	392	393	0.018																	
	F011031	393	394	0.023																	
	F011032	394	395	0.018																	
395	F011033	395	396	0.021																	
	F011034	396	397	0.023																	
	F011035	397	398	0.015																	
	F011036	398	399	0.013																	
	F011037	399	400	0.013																	
400	F011038	400	401	0.023																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011038	400	401	0.023																	
	F011039	401	402	0.017																	
	F011041	402	403	0.011																	
	F011042	403	404	0.015																	
	F011043	404	405	0.008																	
405	F011044	405	406	0.005																	
	F011045	406	407	0.006																	
	F011046	407	408	0.005																	
	F011047	408	408.5	0.009																	
	F011048	408.5	409.1	0.005																	
	F011049	409.1	410	0.005																	
410	F011051	410	411	0.01																	
	F011052	411	412	0.005																	
	F011053	412	413	0.005																	
	F011054	413	414	0.005																	
	F011055	414	414.7	0.005	391.2	428.4	7A	DG	MA	Dark green, mgr-cgr, gabbro (7A) massive, locally weakly foliated, non-magnetic. Varying amphibole crystal size, common qz-carbonate veins continue through unit with random orientations, local white qz crack seal veins.	Patchy trace to 2.5% fgr disseminated litho hosted po mineralization, locally increasing where strain occurs. Weak local brittle faulting. LC is sharp.										
415	F011056	414.7	415.5	0.005																	
	F011057	415.5	416.3	0.005																	
	F011058	416.3	416.8	0.005																	
	F011059	416.8	417.8	0.005																	
	F011061	417.8	418.7	0.005																	
	F011062	418.7	419.2	0.006																	
	F011063	419.2	420.2	0.005																	
420	F011064	420.2	421	0.007																	
	F011065	421	422	0.007																	
	F011066	422	423	0.005																	
	F011067	423	424	0.011																	
	F011068	424	425	0.005																	
425	F011069	425	425.4	0.006																	
	F011071	425.4	426.2	0.009																	
	F011072	426.2	427	0.005																	
	F011073	427	427.9	0.005																	
	F011074	427.9	428.4	0.009																	
	F011075	428.4	429	0.025	428.4	429	6N	BK	DIST	Black/brown, aph, argillite/mudstone? (6N) mod distorted, non-magnetic. Moderate chert abundance, with high strain zone running through unit, HZ causes mod qz carb flooding outside of contact.	~30% stringers and wispy po mineralization are associated w/ HZ. LC is sharp.										
	F011076	429	429.3	0.01																	
	F011077	429.3	430.1	0.009																	
430	F011078	430.1	430.7	0.005																	
	F011079	430.7	431.2	0.005																	
	F011081	431.2	432	0.014																	
	F011082	432	432.6	0.013																	
	F011083	432.6	433.3	0.006																	
	F011084	433.3	434	0.006																	
	F011085	434	434.9	0.006	429	464	7A	DG	MA	Dark green, cgr, gabbro (7A) massive to locally weakly foliated, non-magnetic. Mgr-cgr angular green amp crystals with no preferential orientation, common qz carb tension gashes shallowly cutting core in different orientations.	Patchy trace to 2% vfg disseminated po mineralization. LC is sharp.										
435	F011086	434.9	435.4	0.008																	
	F011087	435.4	436.4	0.055																	
	F011088	436.4	437	0.015																	
	F011089	437	438	0.01																	
	F011091	438	438.6	0.01																	
	F011092	438.6	439.1	0.009																	
	F011093	439.1	440.1	0.011																	
440	F011094	440.1	441.1	0.021																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011094	440.1	441.1	0.021	429	464	7A	DG	MA	Dark green, cgr, gabbro (7A) massive to locally weakly foliated, non-magnetic. Mgr-cgr angular green amp crystals with no preferential orientation, common qz carb tension gashes shallowly cutting core in different orientations.	Patchy trace to 2% vfg disseminated po mineralization. LC is sharp.										
	F011095	441.1	442.1	0.029																	
	F011096	442.1	443.1	0.016																	
	F011097	443.1	443.8	0.01																	
	F011098	443.8	444.5	0.011																	
445	F011099	444.5	445	0.012																	
	F011101	445	446	0.005																	
	F011102	446	446.4	0.005																	
	F011103	446.4	447	0.006																	
	F011104	447	448	0.01																	
	F011105	448	449	0.009																	
	F011106	449	450	0.006																	
450	F011107	450	451	0.01																	
	F011108	451	452	0.03																	
	F011109	452	453	0.005																	
	F011111	453	454	0.025																	
	F011112	454	455	0.005																	
455	F011113	455	456	0.006																	
	F011114	456	457	0.005																	
	F011115	457	458	0.01																	
	F011116	458	458.6	0.005																	
	F011117	458.6	459.4	0.005																	
	F011118	459.4	460	0.005																	
460	F011119	460	461	0.005																	
	F011121	461	462	0.008																	
	F011122	462	463	0.006																	
	F011123	463	464	0.007																	
	F011124	464	464.8	0.005	464	483.3	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive to locally weakly foliated, non-magnetic. Strong green amphibole modal abundance, weak to absent of bt. Local HZ causing grey qz flooding and increased	(4%) disseminated po mineralization. Trace to 0.4% vfg disseminated po mineralization polluting groundmass.										
465	F011125	464.8	465.3	0.005																	
	F011126	465.3	466	0.009																	
	F011127	466	466.6	0.008																	
	F011128	466.6	467.6	0.005																	
	F011129	467.6	468.3	0.005																	
	F011131	468.3	469	0.005																	
	F011132	469	469.7	0.005																	
470	F011133	469.7	470.4	0.005																	
	F011134	470.4	471	0.005																	
	F011135	471	472	0.005																	
	F011136	472	473	0.005																	
	F011137	473	474	0.005																	
	F011138	474	474.3	0.005																	
	F011139	474.3	474.6	0.005																	
475	F011141	474.6	475.1	0.005																	
	F011142	475.1	476	0.005																	
	F011143	476	477	0.005																	
	F011144	477	478	0.007																	
	F011145	478	478.7	0.005																	
	F011146	478.7	479.7	0.005																	
480	F011147	479.7	480.7	0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011147	479.7	480.7	0.006	464	483.3	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive to locally weakly foliated, non-magnetic. Strong green amphibole modal abundance, weak to absent of bt. Local HZ causing grey qz flooding and increased	(4%) disseminated po mineralization. Trace to 0.4% vfg disseminated po mineralization polluting groundmass.										
	F011148	480.7	481.5	0.005																	
	F011149	481.5	482	0.005																	
	F011151	482	482.6	0.005																	
	F011152	482.6	483.3	0.005																	
	F011153	483.3	484	0.005	483.3	506.4	2	DG	MA	Continuation of previous unit, but here abundant quartz boudins/lapilli? Are scattered throughout unit (possible 2H?) commonly attenuated along foliation axis. Semi-continuous vfg disseminated po min ranging from trace amounts to 0.5%. LC is gradational.											
	F011154	484	485																		
485	F011155	485	486	0.005																	
	F011156	486	486.5	0.005																	
	F011157	486.5	487.5	0.005																	
	F011158	487.5	488.5	0.005																	
	F011159	488.5	489.5	0.005																	
490	F011161	489.5	490.5	0.005																	
	F011162	490.5	491.5	0.005																	
	F011163	491.5	492.5	0.005																	
	F011164	492.5	493.4	0.011																	
	F011165	493.4	494	0.005																	
	F011166	494	495	0.005																	
495	F011167	495	496	0.005																	
	F011168	496	496.8	0.005																	
	F011169	496.8	497.6	0.005																	
	F011171	497.6	498.2	0.005																	
	F011172	498.2	499	0.005																	
	F011173	499	499.9	0.005																	
500	F011174	499.9	500.9	0.005																	
	F011175	500.9	501.9	0.005																	
	F011176	501.9	502.9	0.005																	
	F011177	502.9	503.9	0.005																	
	F011178	503.9	504.3	0.005																	
	F011179	504.3	505.2	0.005																	
505	F011181	505.2	506	0.011																	
	F011182	506	506.4	0.005																	
	F011183	506.4	507	0.005	506.4	552	7A	DG	MA	Dark green, cgr, gabbro (7A) massive to weakly foliated, non-magnetic. Local HZ causing strong carbonate flooding. Patches of mod bt alteration. Common qz-carb crack seal veining/tension gashes observed. Patches of trace vfg disseminated po	mineralization and local 2% threaded/diss po min from 550.4-550.6 m. Cgr green amp crystals are locally wk-mod attenuated along foliation axis.										
	F011184	507	508	0.009																	
	F011185	508	509	0.005																	
	F011186	509	510	0.005																	
510	F011187	510	511	0.005																	
	F011188	511	511.5	0.008																	
	F011189	511.5	512.2	0.005																	
	F011191	512.2	513	0.005																	
	F011192	513	513.9	0.005																	
	F011193	513.9	514.9	0.009																	
515	F011194	514.9	515.9	0.005																	
	F011195	515.9	516.9	0.007																	
	F011196	516.9	517.9	0.009																	
	F011197	517.9	518.9	0.013																	
	F011198	518.9	519.6	0.005																	
	F011199	519.6	520.1	0.009																	
520	F011201	520.1	521	0.012																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011201	520.1	521	0.012	506.4	552	7A	DG	MA	Dark green, cgr, gabbro (7A) massive to weakly foliated, non-magnetic. Local HZ causing strong carbonate flooding. Patches of mod bt alteration. Common qz-carb crack seal veining/tension gashes observed. Patches of trace vfg disseminated po	mineralization and local 2% threaded/diss po min from 550.4-550.6 m. Cgr green amp crystals are locally wk-mod attenuated along foliation axis.										
	F011202	521	522	0.019																	
	F011203	522	523	0.013																	
	F011204	523	524	0.016																	
	F011205	524	525	0.008																	
525	F011206	525	526	0.005																	
	F011207	526	527	0.005																	
	F011208	527	528	0.008																	
	F011209	528	529	0.007																	
	F011211	529	530	0.012																	
530	F011212	530	531	0.005																	
	F011213	531	532	0.005																	
	F011214	532	533	0.005																	
	F011215	533	534	0.005																	
	F011216	534	535	0.005																	
535	F011217	535	536	0.005																	
	F011218	536	537	0.005																	
	F011219	537	538	0.005																	
	F011221	538	539	0.005																	
	F011222	539	540	0.005																	
540	F011223	540	541	0.005																	
	F011224	541	542	0.005																	
	F011225	542	543	0.005																	
	F011226	543	544	0.005																	
	F011227	544	545	0.005																	
545	F011228	545	546	0.039																	
	F011229	546	547	0.005																	
	F011231	547	548	0.008																	
	F011232	548	549	0.007																	
	F011233	549	550	0.013																	
	F011234	550	550.3	0.011																	
550	F011235	550.3	550.6	0.011																	
	F011236	550.6	551	0.012																	
	F011237	551	552	0.006																	
	F011238	552	552.8	0.023	552	552.8	7A	DG	MA	Dark green, mgr, gabbro (7A) massive to weakly mottled, non-magnetic. Mgr angular green amphibole crystals scattered throughout unit w/ no preferential orientation. Moderate qz-carb tension gashes causing weak brecciation throughout.	No mineralization. LC is diffuse.										
	F011239	552.8	553.5	0.008	552.8	556	2	DG	MA	Dark green, fgr, mafic metavolcanic (2) massive, non-magnetic. Weak pervasive bt, mod green amp; crystals become slightly coarser grained grading towards LC. Quartz-carb tension gashes causing weak brecciation continues through this unit.	No mineralization. LC is diffuse and marked where grain size is consistently coarse.										
	F011241	553.5	554	0.009																	
	F011242	554	555	0.017																	
555	F011243	555	556	0.015																	
	F011244	556	557	0.012	556	559.5	7A	DG	MO	Dark green, cgr, gabbro (7A) massive to mottled, non-magnetic. Weal bt alteration, cgr acicular green amp needles showing weak preferential orientation. Local qz-carb veining. No mineralization. LC is sharp.											
	F011245	557	558	0.005																	
	F011246	558	559	0.01																	
	F011247	559	559.5	0.005																	
	F011248	559.5	560	0.005	559.5	561.7	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive, non-magnetic. No visible bt alteration, mod pervasive green amp alteration. Weak qz-carb tension gashes, no mineralization. LC is diffuse and marked where cgr crystals occur.											
560	F011249	560	561	0.013																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F011249	560	561	0.013	559.5	561.7	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive, non-magnetic. No visible bt alteration, mod pervasive green amp alteration. Weak qz-carb tension gashes, no mineralization. LC is diffuse and marked where cgr crystals occur.											
F011251	561	561.7	0.008																	
F011252	561.7	562	0.005	561.7	564.9	7A	DG	MA	Dark green, cgr, gabbro (7A) massive, non-magnetic. Cgr sub-angular green amp crystal throughout with no preferential orientation. Common qz-carb tension gashes in varying abundances locally causing brecciation. Local trace litho hosted po. LC is sharp.											
F011253	562	563	0.007																	
F011254	563	564	0.006																	
F011255	564	564.9	0.011																	
F011256	564.9	565.6	0.006	564.9	573.5	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive, non-magnetic. Mod to strong pervasive green amp alt, locally angular mgr crystals. Common qz-carb tension gashes observed throughout. Local trace litho hosted po min,	and 0.25% vein hosted disseminated po from 567.6-568.2m. LC is sharp.										
F002251	565.6	566.6	0.005																	
F002252	566.6	567.6	0.006																	
F002253	567.6	568.2	0.01																	
F002254	568.2	569.2	0.009																	
F002255	569.2	570.2	0.006																	
F002256	570.2	571.2	0.007																	
F002257	571.2	572.2	0.008																	
F002258	572.2	573.2	0.005																	
F002259	573.2	573.5	0.008								7A									
F002261	573.5	573.9	0.201	573.5	574.8	QTZ VN	W	MA	White, fgr, qz-carb flooding caused by moderate shear zone. Dark green attenuated mafic xenoliths observed throughout unit hosting 4-10% stringers/wispy magnetic po mineralization, 2% py min. LC is sharp.											
F002262	573.9	574.2	0.006																	
F002263	574.2	574.8	0.032																	
F002264	574.8	575.8	0.057	574.8	585.9	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive to locally mottled, non-magnetic. Mod pervasive green amp alteration, patchy silicification. Weak qz-carb tension gashes. Local patches of 1-6% disseminated litho hosted po mineralization. LC is sharp.											
F002265	575.8	576.8	0.033																	
F002266	576.8	577.8	0.034																	
F002267	577.8	578.8	0.009																	
F002268	578.8	579.8	0.01																	
F002269	579.8	580.8	0.011																	
F002271	580.8	581.8	0.021																	
F002272	581.8	582.6	0.005																	
F002273	582.6	583.1	0.007																	
F002274	583.1	583.7	0.022																	
F002275	583.7	584	0.006																	
F002276	584	585	0.011																	
F002277	585	585.9	0.005																	
F002278	585.9	586.5	0.009	585.9	586.5	4A	BE	BA	Beige/green/grey, aph, chert-gru BIF (4A) planar to locally distorted banding, locally strongly magnetic. Strong magnetism is associated w/ unaltered magnetite bands. Mod HZ throughout unit causing ~8% threaded and blebby po mineralization. LC is sharp.											
F002279	586.5	587	0.005	586.5	627	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive to locally distorted, non-magnetic. Weak to mod pervasive green amp alteration, local patches of moderate silicification. Mod shear zone from 558-558.6 m causing distortion,	weak qz flooding and ~40% semi-massive/wispy po mineralization. Common qz-carb tension gashes causing weak brecciation. Local qz-carbonate veining hosting trace py min. EOH.										
F002281	587	588	0.014																	
F002282	588	588.6	0.046																	
F002283	588.6	589.6	0.005																	
F002284	589.6	589.9	0.005																	
F002285	589.9	590.9	0.005																	
F002286	590.9	591.9	0.014																	
F002287	591.9	592.6	0.036																	
F002288	592.6	592.9	0.005																	
F002289	592.9	593.9	0.015																	
F002291	593.9	594.9	0.006																	
F011257	594.9	595.4	0.087																	
F011258	595.4	596	0.005																	
F011259	596	597	0.005																	
F011261	597	598	0.005																	
F011262	598	599	0.005																	
F011263	599	600	0.005																	
F011264	600	601	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011264	600	601	0.005	586.5	627	2	LG	MA	Light green, fgr, mafic metavolcanic (2) massive to locally distorted, non-magnetic. Weak to mod pervasive green amp alteration, local patches of moderate silicification. Mod shear zone from 558-558.6 m causing distortion,	weak qz flooding and ~40% semi-massive/wispy po mineralization. Common qz-carb tension gashes causing weak brecciation. Local qz-carbonate veining hosting trace py min. EOH.										
	F011265	601	602	0.005																	
	F011266	602	603	0.005																	
	F011267	603	604	0.006																	
	F011268	604	605	0.007																	
605	F011269	605	606	0.015																	
	F011271	606	607	0.005																	
	F011272	607	608	0.007																	
	F011273	608	609	0.005																	
	F011274	609	610	0.005																	
610	F011275	610	611	0.005																	
	F011276	611	612	0.005																	
	F011277	612	613	0.005																	
	F011278	613	614	0.005																	
	F011279	614	615	0.005																	
615	F011281	615	616	0.005																	
	F011282	616	617	0.005																	
	F011283	617	617.6	0.009																	
	F011284	617.6	618.2	0.033																	
	F011285	618.2	619	0.005																	
	F011286	619	620	0.005																	
620	F011287	620	621	0.005																	
	F011288	621	622	0.006																	
	F011289	622	623	0.006																	
	F011291	623	624	0.006																	
	F011292	624	625	0.005																	
625	F011293	625	626	0.005																	
	F011294	626	627	0.006																	
630																					
635																					
640																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10					0	18.8	CASING														
15																					
	F021734	18.8	19.4	0.005	18.8	19.4	OVERBURDEN														
20	F021735	19.4	20.4	0.009																	
	F021736	20.4	21.4	0.005																	
	F021737	21.4	22.4	0.012																	
	F021738	22.4	23.4	0.011																	
	F021739	23.4	24.4	0.005	19.4	28	4A	Y	DIST	Grey-yellow fg chert-grunerite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of localized fg Po and Py mineralization. Lower contact is sharp.											
25	F021741	24.4	25.4	0.005																	
	F021742	25.4	26.4	0.011																	
	F021743	26.4	27.4	0.026																	
	F021744	27.4	28	0.044																	
	F021745	28.4	29.4	0.365	28	28.4	MISSING			Core is assumed to have been ground by drillers. (Ground texture is present on core faces).											
	F021746	29.4	29.7	0.09																	
	F021747	29.7	30.1	0.048																	
30	F021748	30.1	30.5	0.018																	
	F021749	30.5	31.2	0.007																	
	F021751	31.2	32.2	0.03																	
	F021752	32.2	32.8	0.01																	
	F021753	32.8	33.5	0.008	28.4	37.2	4A	Y	DIST	Grey-yellow fg chert-grunerite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of localized fg Po and Py mineralization. Lower contact is sharp.											
	F021754	33.5	34.5	0.011																	
35	F021755	34.5	35.5	0.012																	
	F021756	35.5	36.5	0.013																	
	F021757	36.5	37.2	0.008																	
	F021758	37.2	38	0.022	37.2	38	6N	BK	DIST	Black/grey fg metasediment that is most indicative of an argillite or mudstone. This entity exhibits considerable strain and contains an appreciable quantity of fg Po and Py mineralization. This rock also houses fg-mg garnet porphyroblasts.	Parts of this entity appear to be intermixed with banded iron formation material. Perhaps this entity is some form of "4F" or "4BF". Lower contact is sharp.										
	F021759	38	39	0.008																	
	F021761	39	40	0.061	38	40.9	4A	G	DIST	Grey-yellow fg chert-grunerite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fg Po and Py mineralization. What is most indicative of minor "6N" material is present within this interval.	This entity appears to lack appreciable magnetite content. Lower contact is sharp.	6N									
	F021762	40	40.9	0.008																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021762	40	40.9	0.008	38	40.9	4A	G	DIST	Grey-yellow fg chert-grunerite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fg Po and Py mineralization. What is most indicative of minor "6N" material is present within this interval.	This entity appears to lack appreciable magnetite content. Lower contact is sharp.										
	F021763	40.9	41.3	0.023	40.9	41.3	6N	BK	MA	Black/grey fg metasediment that is most indicative of a garnet-bearing argillite, or mudstone: garnet porphyroblasts are predominantly fg-mg in size. This entity contains an appreciable quantity of fgr Po mineralization.	Perhaps this entity is some form of "4F" or "4BF". Lower contact is irregular.										
	F021764	41.3	42.3	0.014	41.3	43.3	4A	G	DIST	Grey fg iron formation that is indicative of "4A" and "4B" material. This section lacks appreciable magnetite and exhibits weak grunerite content. This entity houses an appreciable quantity of fg Po and Py mineralization.	Lower contact is faulted/sheared.										
	F021765	42.3	43.3	0.029	43.3	43.6	6N	BK	POR	Black/grey fg metasediment that is most indicative of "6N" material. This entity houses an appreciable quantity of fg Po mineralization. Some mg garnet porphyroblasts are present.	Perhaps this entity is some form of "4F" or "4BF" material. Lower contact is faulted/sheared										
	F021766	43.3	43.6	0.048	43.6	44	4A	Y	BL	Yellow-grey fgr chert-grunerite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fg Po mineralization. Lower contact is sharp.	Perhaps the majority of this entity is comprised of "4F" or "4BF" material. Lower contact is sharp.	4A									
	F021767	43.6	44	0.022	44	44.7	6N	BK	MA	Black/grey fg "6N" material that houses minor banded iron formation material. This rock houses an appreciable quantity of fg Po mineralization.		4A									
	F021768	44	44.7	0.024	44.7	49.4	4B	G	DIST	Grey fg chert-magnetite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fg Po and Py mineralization. Lower contact is sharp.											
45	F021769	44.7	45	0.061					POR												
	F021771	45	45.7	0.018					BL												
	F021772	45.7	46.7	0.065																	
	F021773	46.7	47.7	0.02																	
	F021774	47.7	48.7	0.018																	
	F021775	48.7	49.4	0.013																	
50	F021776	49.4	50.3	0.005	49.4	50.3	4A	Y	MA	Yellow-grey fg chert-grunerite iron formation containing an appreciable quantity of fg Po and Py mineralization. Lower contact is sharp.											
	F021777	50.3	51.3	0.005	50.3	65	1	G	MA	Grey fg massive ultramafic intrusive exhibiting appreciable talc alteration. Lower contact is gradational and correlates with an absence of talc. Lower contact is gradational.											
	F021778	51.3	52.3	0.007																	
	F021779	52.3	53.3	0.018																	
	F021781	53.3	54.3	0.021																	
55	F021782	54.3	55.3	0.009																	
	F021783	55.3	56.3	0.008																	
	F021784	56.3	57.3	0.005																	
	F021785	57.3	58.3	0.005																	
	F021786	58.3	59.3	0.005																	
60	F021787	59.3	60.3	0.005																	
	F021788	60.3	61.3	0.005																	
	F021789	61.3	62.3	0.007																	
	F021791	62.3	63.3	0.007																	
	F021792	63.3	64.3	0.008																	
	F021793	64.3	65	0.005																	
65	F021794	65	66	0.006	65	66.8	2	GG	MA	Grey-green fg massive rock that appears to be most indicative of mafic material. This entity does not exhibit talc alteration and is non-magnetic. Perhaps this section is a relatively unaltered segment of "1" material.	Lower contact is irregular.										
	F021795	66	66.8	0.007																	
	F021796	66.8	67.8	0.021	66.8	71.2	4B	G	LA	Grey fg chert-magnetite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fg Po and Py mineralization. Lower contact is gradational.											
	F021797	67.8	68.8	0.021																	
	F021798	68.8	69.8	0.043																	
70	F021799	69.8	70.4	0.023																	
	F021801	70.4	71.2	0.025																	
	F021802	71.2	72	0.122	71.2	73.3	4A	Y	MA	Yellow-grey fg chert-grunerite iron formation with sparse bands of magnetite: magnetite bands are especially evident in close proximity to the lower contact. This entity contains an appreciable quantity of fg Po and Py mineralization.	Lower contact is sharp.										
	F021803	72	72.6	0.006																	
	F021804	72.6	73.3	0.008																	
	F021805	73.3	74.3	0.005	73.3	134.6	2	GG	MA	Grey-dark green fg massive rock that is most indicative of mafic metavolcanic material. This entity is punctuated by sparse quartz veins. This unit contains mg crystals that overprint a predominantly fine-grained groundmass.	The aforementioned mg crystals are most resemblant of biotite, amphibole, and (magnetite?). This entity contains an extremely sparse quantity of fg Po and Py mineralization. Lower contact is irregular.	QTZ VN									
75	F021806	74.3	75.3	0.005																	
	F021807	75.3	76.3	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85												QTZ VN									
90																					
95																					
100					73.3	134.6	2	GG	MA	Grey-dark green fg massive rock that is most indicative of mafic metavolcanic material. This entity is punctuated by sparse quartz veins. This unit contains mg crystals that overprint a predominantly fine-grained groundmass.	The aforementioned mg crystals are most resemblant of biotite, amphibole, and (magnetite?). This entity contains an extremely sparse quantity of fg Po and Py mineralization. Lower contact is irregular.										
105																					
110																					
115																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125					73.3	134.6	2	GG	MA	Grey-dark green fg massive rock that is most indicative of mafic metavolcanic material. This entity is punctuated by sparse quartz veins. This unit contains mg crystals that overprint a predominantly fine-grained groundmass.	The aforementioned mg crystals are most resemblant of biotite, amphibole, and (magnetite?). This entity contains an extremely sparse quantity of fg Po and Py mineralization. Lower contact is irregular.									
130																					
	F021808	131.6	132.6	0.005																	
	F021809	132.6	133.6	0.006																	
	F021811	133.6	134.6	0.007																	
135	F021812	134.6	135.6	0.525	134.6	137	4B	G	LA	Grey fg laminated chert-magnetite iron formation containing a sparse, yet appreciable quantity of fg Po mineralization. This entity exhibits localized strain and a sharp lower contact.											
	F021813	135.6	136.3	0.12																	
	F021814	136.3	137	0.029																	
	F021815	137	138	0.022	137	168.6	2	GG	MA	Grey-green fg massive mafic metavolcanic punctuated by sparse quartz-carbonate veins/veinlets. This entity contains a very small quantity of fg Py mineralization. This rock lacks a discernable foliation and exhibits a somewhat mottled texture.	Lower contact is irregular.										
	F021816	138	139	0.01																	
	F021817	139	140	0.049																	
140																					
145																					
150																					
155																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165					137	168.6	2	GG	MA	Grey-green fg massive mafic metavolcanic punctuated by sparse quartz-carbonate veins/veinlets. This entity contains a very small quantity of fg Py mineralization. This rock lacks a discernable foliation and exhibits a somewhat mottled texture.	Lower contact is irregular.										
	F021818	165.6	166.6	0.011																	
	F021819	166.6	167.6	0.011																	
	F021821	167.6	168.6	0.008																	
	F021822	168.6	169.3	0.023	168.6	174.8	4B	G	DIST	Grey-blue-purple-white fg distorted rock that exhibits pronounced strain. This rock contains an appreciable quantity of quartz/(chert?) material, patches of carbonate, bands of magnetite, and fg Po mineralization.	A small quantity of grunerite is present juxtaposed with the upper contact. This entity appears to be most indicative of BIF material that has been sheared and altered. Lower contact is irregular.										
	F021823	169.3	170	0.005																	
170	F021824	170	170.3	0.036																	
	F021825	170.3	170.9	0.061																	
	F021826	170.9	171.2	0.005																	
	F021827	171.2	171.7	0.011																	
	F021828	171.7	172.4	0.005																	
	F021829	172.4	173.4	0.006																	
	F021831	173.4	174.1	0.006								2	Perhaps this is a raft of "2" material, or perhaps even a small intursion.								
	F021832	174.1	174.8	0.005																	
175	F021833	174.8	175.4	0.005	174.8	175.4	2	GG	MA	Blue-grey fg rock exhibiting pronounced strain and housing significant quartz material. This entity does not look like BIF material and appears to be most resemblant of sheared and altered "2" material.	Perhaps this section is a continuation of the previously encountered "BIF" material. Lower contact is irregular.										
	F021834	175.4	175.7	0.01	175.4	175.7	4B	G	DIST												
	F021835	175.7	176.2	0.005	175.7	176.7	2	GG	DIST	Grey fg rock that contains appreciable magnetite and fg Po content. This entity appears to be most resemblant of strained "4B" material. Lower contact is gradational/irregular/ambiguous.	This rock appears to be most resemblant of sheared and altered mafic metavolcanic material. Lower contact is irregular.	2	Perhpas this is a relatively unaltered portion of host "2" material, or it is an intrusive entity: identity is ambiguous.								
	F021836	176.2	176.7	0.005																	
	F021837	176.7	177.7	0.005																	
	F021838	177.7	178.7	0.005																	
	F021839	178.7	179.7	0.006																	
180	F021841	179.7	180.7	0.011																	
	F021842	180.7	181.7	0.008																	
	F021843	181.7	182.7	0.005								4CH	Entity appears to be predominantly comprised of quartz/silica. Perhaps this is a minor raft of chert/quartz from a large "4" body. Perhaps this is a "6" unit.								
	F021844	182.7	183	0.009																	
	F021845	183	183.3	0.005								4CH									
	F021846	183.3	184	0.005																	
185					176.7	204	2	GG	MA	Grey-dark green fg massive mafic metavolcanic exhibiting localized zones of strain. This entity is punctuated by a few quartz-carbonate veins and contains sparse fg Py mineralization.	Appreciable fg Po mineralization is found in a couple of minor units that are comprised of felsic material predominantly: these minor units are resemblant of quartz and chert. Lower contact is irregular.		Entity appears to be predominantly comprised of quartz/silica. Perhaps this is a minor raft of chert/quartz from a large "4" body. Perhaps this is a "6" unit.								
190																					
195																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021847	201	202	0.119	176.7	204	2	GG	MA	Grey-dark green fg massive mafic metavolcanic exhibiting localized zones of strain. This entity is punctuated by a few quartz-carbonate veins and contains sparse fg Py mineralization.	Appreciable fg Po mineralization is found in a couple of minor units that are comprised of felsic material predominantly: these minor units are resemblant of quartz and chert. Lower contact is irregular.										
	F021848	202	203	0.154																	
	F021849	203	204	0.017																	
	F021851	204	204.4	0.061	204	209	4B	Y	DIST	Yellow-grey fg massive chert-magnetite iron formation containing significant grunerite content. This rock evidences appreciable strain and houses sparse fg Po and Py mineralization.	Magnetite content is sufficient to merit the designation of "4B". Lower contact is irregular.										
205	F021852	204.4	205.4	0.045																	
	F021853	205.4	206.1	0.078																	
	F021854	206.1	206.7	0.028																	
	F021855	206.7	207	0.015																	
	F021856	207	207.8	0.051																	
	F021857	207.8	208.4	0.023																	
	F021858	208.4	209	0.034																	
210	F021859	209	210	0.122	209	213	2	GG	MA	Grey-green fg massive mafic metavolcanic exhibiting a gradational lower contact.											
	F021861	210	211	0.04																	
	F021862	211	212	0.006																	
215					213	224.7	1	G	MA	Grey fg massive ultramafic intrusive exhibiting appreciable pervasive talc alteration and localized strain. This entity is non-magnetic and evidences magnetic susceptibility values ranging from 0.4-2.3 approximately.	Lower contact is sharp.										
220																					
225					224.7	257.4	7A	DG	MA	Dark green mg massive mafic rock that is most resemblant of diabase. The margins of the rock juxtaposed with the upper and lower contacts are finer-grained than the rest of this entity: perhaps these sections are chill-margins.	Perhaps this entity is "2" material that has undergone dynamic recrystallization. This entity houses a sparse quantity of fg Py and Po mineralization. Lower contact is sharp.										
230																					
235																					
240																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245					224.7	257.4	7A	DG	MA	Dark green mg massive mafic rock that is most resemblant of diabase. The margins of the rock juxtaposed with the upper and lower contacts are finer-grained than the rest of this entity: perhaps these sections are chill-margins.	Perhaps this entity is "2" material that has undergone dynamic recrystallization. This entity houses a sparse quantity of fg Py and Po mineralization. Lower contact is sharp.									
250																					
255	F021863	254.1	255.1	0.016																	
	F021864	255.1	256.1	0.062																	
	F021865	256.1	257.1	0.023																	
	F021866	257.1	257.4	0.005																	
	F021867	257.4	257.7	0.005																	
	F021868	257.7	258.7	0.005	257.4	312.7	4B	G	LA	Grey fg laminated chert-magnetite iron formation exhibiting localized fg Po mineralization and pronounced strain. This entity contains a significant quantity of magnetite and grunerite.	In some localities the magnetite occurs as fg-mg "nodules" that contribute to the core exhibiting a somewhat "mottled" texture. Lower contact is sharp.	QTZ VN									
	F021869	258.7	259.7	0.005																	
260	F021871	259.7	260.7	0.005																	
	F021872	260.7	261.1	0.142																	
	F021873	261.1	261.5	0.488																	
	F021874	261.5	262.5	0.005																	
	F021875	262.5	263.5	0.005																	
	F021876	263.5	264.5	0.005																	
265	F021877	264.5	265.5	0.005																	
	F021878	265.5	266.5	0.041																	
	F021879	266.5	267.1	0.005																	
	F021881	267.1	267.8	0.005																	
	F021882	267.8	268.1	0.005																	
	F021883	268.1	269.1	0.005																	
270	F021884	269.1	270.1	0.005																	
	F021885	270.1	271.1	0.01																	
	F021886	271.1	272.1	0.005																	
	F021887	272.1	272.8	0.005																	
	F021888	272.8	273.1	0.005																	
	F021889	273.1	273.5	0.005																	
	F021891	273.5	274.3	0.008																	
275	F021892	274.3	275.3	0.005																	
	F021893	275.3	276.3	0.005																	
	F021894	276.3	277.3	0.005																	
	F021895	277.3	278.3	0.005																	
	F021896	278.3	279.3	0.005																	
	F021897	279.3	280.3	0.005																	
280	F021898	280.3	281.3	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021898	280.3	281.3	0.005																	
	F021899	281.3	282.3	0.005																	
	F021901	282.3	283.3	0.005																	
	F021902	283.3	284.3	0.01																	
	F021903	284.3	285.3	0.005																	
285	F021904	285.3	286.1	0.421																	
	F021905	286.1	286.4	0.132																	
	F021906	286.4	287	0.009																	
	F021907	287	287.5	0.005																	
	F021908	287.5	287.8	0.005																	
	F021909	287.8	288.8	0.005																	
	F021911	288.8	289.8	0.005																	
290	F021912	289.8	290.8	0.005																	
	F021913	290.8	291.8	0.005																	
	F021914	291.8	292.8	0.005																	
	F021915	292.8	293.8	0.005																	
	F021916	293.8	294.8	0.005																	
295	F021917	294.8	295.8	0.005																	
	F021918	295.8	296.8	0.005	257.4	312.7	4B	G	LA	Grey fg laminated chert-magnetite iron formation exhibiting localized fg Po mineralization and pronounced strain. This entity contains a significant quantity of magnetite and grunerite.	In some localities the magnetite occurs as fg-mg "nodules" that contribute to the core exhibiting a somewhat "mottled" texture. Lower contact is sharp.										
	F021919	296.8	297.5	0.005																	
	F021921	297.5	298.4	0.194																	
	F021922	298.4	299.4	0.038																	
	F021923	299.4	300.4	0.005																	
	F021924	300.4	301.2	0.005																	
300	F021925	301.2	302.2	0.005																	
	F021926	302.2	303	0.005																	
	F021927	303	303.5	0.005																	
	F021928	303.5	304.1	0.005																	
	F021929	304.1	304.4	0.329																	
	F021931	304.4	305.1	0.008																	
	F021932	305.1	305.4	0.005																	
	F021933	305.4	306	0.005																	
305	F021934	306	306.6	0.005																	
	F021935	306.6	307.1	0.005																	
	F021936	307.1	307.7	0.005																	
	F021937	307.7	308.3	0.007																	
	F021938	308.3	308.9	0.019																	
	F021939	308.9	309.3	0.005																	
	F021941	309.3	309.9	0.005																	
	F021942	309.9	310.5	0.005																	
310	F021943	310.5	310.8	0.005																	
	F021944	310.8	311.6	0.005																	
	F021945	311.6	312.1	0.108																	
	F021946	312.1	312.7	0.017						Dark green/white fg rock exhibiting pronounced strain and containing an appreciable quantity of quartz-carbonate: quartz-carbonate content is pervasive. This entity houses appreciable fg Po mineralization.										
	F021947	312.7	313.5	0.006	312.7	313.5	2	DG	DIST	Grey fg chert-magnetite iron formation containing a small amount of magnetite. This entity houses a minute quantity of fg Po mineralization. Lower contact is irregular.	Fresh-faces exhibit significant amphibole content. This rock appears to be most indicative of a sheared and altered mafic unit. Lower contact is sharp.										
	F021948	313.5	313.9	0.011	313.5	313.9	4B	G	LA												
	F021949	313.9	314.9	0.022	313.9	315.7	6N	G	MA	Dark fg massive metasediment exhibiting pronounced strain. This entity contains an appreciable quantity of fg Po mineralization. A grey shiny metallic luster exhibited on fresh faces is resemblant of graphite. Lower contact is sharp.											
315	F021951	314.9	315.7	0.013																	
	F021952	315.7	316.4	0.005																	
	F021953	316.4	317.1	0.005																	
	F021954	317.1	317.9	0.005																	
	F021955	317.9	318.9	0.005																	
	F021956	318.9	319.5	0.005	315.7	333	2	DG	MA	Dark green fg massive mafic metavolcanic rock that is punctuated by quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fg Po and Py mineralization. This entity lacks a discernable foliation. EOH.											
	F021957	319.5	319.9	0.005																	
	F021958	319.9	320.3	0.005								QTZ									
320	F021959	320.3	321.3	0.009								VN									

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021959	320.3	321.3	0.009	315.7	333	2	DG	MA	Dark green fg massive mafic metavolcanic rock that is punctuated by quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fg Po and Py mineralization. This entity lacks a discernable foliation. EOH.											
	F021961	321.3	322.3	0.013																	
	F021962	322.3	323.3	0.013																	
	F021963	323.3	323.8	0.006																	
	F021964	323.8	324.5	0.007																	
325	F021965	324.5	325.2	0.005																	
	F021966	325.2	325.5	0.006																	
	F021967	325.5	326	0.006																	
	F021968	326	326.3	0.005																	
	F021969	326.3	327.3	0.008																	
	F021971	327.3	327.9	0.008																	
	F021972	327.9	328.5	0.007																	
	F021973	328.5	329	0.006																	
330	F021974	329	330	0.005																	
	F021975	330	330.6	0.008																	
	F021976	330.6	331.3	0.007																	
	F021977	331.3	332	0.014																	
	F021978	332	332.3	0.005																	
	F021979	332.3	332.6	0.006																	
	F021981	332.6	333	0.006																	
335																					
340																					
345																					
350																					
355																					
360																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
					0	25.4	CASING														
15																					
20																					
25					25.4	26	4B	G	BA	Boulder, dark grey, fine grained and banded chert magnetite iron-formation (4B). Magnetic with a faulted LC.											
					26	26.4	2	G	FOL	Dark grey, fine grained and foliated mafic metavolcanic BOULDER (2). Strong Pervasive biotite alteration with no magnetism and no visible po mineralization and a faulted LC.											
					26.4	27.7	4B	BE	BA	Larger boulder. Dark grey, light grey and beige. Fine grained and banded, grunerite altered chert-magnetite iron-formation (4B). Strongly magnetic with trace, disseminated po mineralization and faulted LC.											
					27.7	28.2	2	G	FOL	Possibly a mafic dyke in the larger 4B boulder. Dark grey, fine grained and well foliated. Non-magnetic with no visible po and faulted LC.											
					28.2	28.7	4B	BE	BA	Boulder. Dark grey, light grey and beige. Fine grained and banded, grunerite altered chert-magnetite iron-formation (4B). Strongly magnetic with trace, disseminated po mineralization and faulted LC.											
30																					
					28.7	39.1	OVERBURDEN			Overburden composed of granitic boulders open spaces. Hole was cancelled core was dumped											
35																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	47.6	CASING														
25																					
30																					
35																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45					0	47.6	CASING														
	F011624	47.6	48.6	0.025																	
	F011625	48.6	49.6	0.033																	
50	F011626	49.6	50.6	0.022																	
	F011627	50.6	51.6	0.057																	
	F011628	51.6	52.6	0.107																	
	F011629	52.6	53.6	0.048																	
	F011631	53.6	54.6	0.034																	
55	F011632	54.6	55.6	0.028																	
	F011633	55.6	56.6	0.025																	
	F011634	56.6	57.6	0.015	47.6	66.4	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting significant talc alteration. Lower contact is sharp.											
	F011635	57.6	58.6	0.018																	
	F011636	58.6	59.6	0.012																	
60	F011637	59.6	60.6	0.008																	
	F011638	60.6	61.6	0.012																	
	F011639	61.6	62.6	0.008																	
	F011641	62.6	63.6	0.011																	
	F011642	63.6	64.6	0.015																	
65	F011643	64.6	65.6	0.018																	
	F011644	65.6	66.4	0.04																	
	F011645	66.4	66.8	0.104	66.4	66.8	4A	G	DIST	Grey/yellow fgr chert-grunerite iron formation exhibiting an irregular lower contact.											
	F011646	66.8	67.2	0.163	66.8	67.2	QTZ VN	G	MA	Cgr massive quartz vein containing an appreciable quantity of fgr Po mineralization. Lower contact is irregular.											
	F011647	67.2	68.2	0.037																	
	F011648	68.2	69.2	0.018								QTZ VN									
	F011649	69.2	70.2	0.018																	
70	F011651	70.2	71.2	0.015																	
	F011652	71.2	72.2	0.016																	
	F011653	72.2	73.2	0.022																	
	F011654	73.2	74.2	0.013	67.2	85.7	4A	G	DIST	Grey/yellow chert-grunerite iron formation exhibiting significant strain. This entity contains an appreciable quantity of localized fgr Po mineralization. Some magnetism is exhibited within this lithology. Lower contact is sharp.											
75	F011655	74.2	75.2	0.005																	
	F011656	75.2	76.2	0.019																	
	F011657	76.2	76.5	0.035																	
	F011658	76.5	77.5	0.006																	
	F011659	77.5	78.5	0.013																	
	F011661	78.5	79.5	0.03																	
	F011662	79.5	80.5	0.005																	

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Depth	Sample	From	To	AU ppm
	F011662	79.5	80.5	0.005
	F011663	80.5	81.5	0.006
	F011664	81.5	82.5	0.014
	F011665	82.5	83.5	0.008
	F011666	83.5	84	0.008
	F011667	84	85	0.006
85	F011668	85	85.7	0.009
	F011669	85.7	86.1	0.035
	F011671	86.1	86.5	0.037
	F011672	86.5	86.8	0.022
	F011673	86.8	87.8	0.01
	F011674	87.8	88.8	0.012
	F011675	88.8	89.8	0.007
90	F011676	89.8	90.8	0.019
	F011677	90.8	91.3	0.045
	F011678	91.3	91.9	0.005
	F011679	91.9	92.7	0.03
	F011681	92.7	93.7	0.019
	F011682	93.7	94.4	0.007
	F011683	94.4	95.1	0.03
95	F011684	95.1	95.5	0.025
	F011685	95.5	95.9	0.014
	F011686	95.9	96.2	0.031
	F011687	96.2	96.9	0.037
	F011688	96.9	97.2	0.023
	F011689	97.2	97.6	0.021
	F011691	97.6	98.2	0.015
	F011692	98.2	99	0.042
100	F011693	99	100	0.047
	F011694	100	100.6	0.065
	F011695	100.6	101.2	0.023
	F011696	101.2	102.2	0.038
	F011697	102.2	103	0.02
	F011698	103	103.7	0.006
	F011699	103.7	104.2	0.005
105	F011701	104.6	105.6	0.005
	F011702	105.6	106.6	0.005
	F011703	106.6	107.6	0.005
	F011704	107.6	108.6	0.007
	F011705	108.6	109.6	0.007
110	F011706	109.6	110.6	0.006
	F011707	110.6	111.6	0.008
	F011708	111.6	112.6	0.006
	F011709	112.6	113.6	0.019
	F011711	113.6	114.6	0.007
115	F011712	114.6	115.6	0.016
	F011713	115.6	116.6	0.017
	F011714	116.6	117.6	0.005
	F011715	117.6	118	0.005
	F011716	118	119	0.025
	F011717	119	120	0.015
	F011718	120	120.8	0.005

From	To	Unit	Col	Text	Comments
67.2	85.7	4A	G	DIST	Grey/yellow chert-grunerite iron formation exhibiting significant strain. This entity contains an appreciable quantity of localized fgr Po mineralization. Some magnetism is exhibited within this lithology. Lower contact is sharp.
85.7	86.8	6N	G	DIST	Dark grey fgr metasediment exhibiting pronounced strain. This entity contains an appreciable quantity of fgr Po mineralization, exhibits magnetism, and contains fgr-mgr garnet porphyroblasts.
86.8	91.9	4B	G	DIST	Grey fgr chert-magnetite iron formation exhibiting pronounced strain and weak localized grunerite alteration. This entity contains an appreciable quantity of fgr Po mineralization.
91.9	92.7	6N	G	MA	Dark grey fgr massive metasediment containing appreciable fgr Po mineralization. This entity exhibits magnetism, is resistant to scratching, and houses fgr-mgr porphyroblasts that are most indicative of garnet/metamorphosed garnet.
92.7	95.9	4B	G	DIST	Grey fgr chert-magnetite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fgr Po mineralization. Sparse garnetiferous bands of biotite are present within this unit.
95.9	96.2	6N	G	DIST	Dark grey fgr metasediment exhibiting pronounced strain close to the lower contact. This entity contains an appreciable quantity of fgr Po mineralization. Weak magnetism is exhibited and this rock is competent. Lower contact is irregular.
96.2	104.2	4B	G	DIST	Grey fgr massive chert-magnetite iron formation exhibiting pronounced strain. This entity houses minor "6N" units and contains appreciable fgr Po mineralization. Lower contact is not present as 104.2-104.6m is "void".
104.2	104.6	VOID			Note left by drillers on a wooden block states, "washed away 1 foot", and as such, this section has been logged as "void".
104.6	118	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting significant talc alteration. This rock is non-magnetic and does not show high magnetic susceptibility. Lower contact is gradational.
118	120.8	2	GG	MA	Grey-green fgr massive mafic metavolcanic exhibiting sparse wisps of biotite. Lower contact is irregular.

Comments
Some porphyroblasts somewhat resemble sillimanite, as well as garnet that has undergone retrograde metamorphism. Minor "4A" units are present within this unit. Is this some kind of "4BF? Lower contact is sharp.
Sparse garnetiferous biotite bands are present within this section. Lower contact is sharp.
Lower contact is sharp.
Minor "6N" units are present within this section. Lower contact is irregular.

Unit	Comments
4A	
4A	
6N	
6N	Magnetic and resistant to scratching.
6N	
6N	
6N	

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011718	120	120.8	0.005	118	120.8	2	GG	MA	Grey-green fgr massive mafic metavolcanic exhibiting sparse wisps of biotite. Lower contact is irregular.											
	F011719	120.8	121.8	0.005	120.8	127.9	4B	G	LA	Grey fgr laminated chert-magnetite iron formation exhibiting pronounced strain. This entity contains textural features that are highly resemblant of small tightly-spaced garnetiferous biotite bands.	Garnet porphyroblasts are fgr-mgr and predominate the section spanning 121-122m approximately. This rock houses an appreciable quantity of fgr Po mineralization and exhibits a gradational lower contact.	2									
	F011721	121.8	122.8	0.011								2									
	F011722	122.8	123.3	0.017																	
	F011723	123.3	124.1	0.005																	
	F011724	124.1	125.1	0.013																	
125	F011725	125.1	126.1	0.044																	
	F011726	126.1	127.1	0.027																	
	F011727	127.1	127.9	0.021																	
	F011728	127.9	128.7	0.009	127.9	129.3	4A	G	MA	Grey fgr chert-grunerite iron formation containing an appreciable quantity of fgr Po mineralization. The grunerite content is sufficient to merit a "4A" classification, as opposed to lumping this in with a larger "4B" body.	Lower contact is gradational.										
	F011729	128.7	129.3	0.007																	
	F011731	129.3	129.8	0.008	129.3	129.8	4BE	G	BA	Grey fgr chert-magnetite iron formation with abundant biotite-garnet bands. This entity houses distorted tan-coloured textural features that are resemblant of sheared/altered fragments. This rock houses a sparse quantity of fgr Po mineralization.	Lower contact is sheared/faulted.										
130	F011732	129.8	130.8	0.011	129.8	193.2	2	BG	MA	Blue-grey-green fgr massive rock that is resemblant of a mafic metavolcanic exhibiting a mottled texture. This entity houses sparse fgr Po mineralization and contains quartz veins. Foliation is weakly defined by biotite wisps.	It is difficult to discern as to whether this entire section is "2" material. Biotite wisps diminish significantly beginning at 144m approximately and the rock resembles a "6" unit for a few meters. Lower contact is irregular.										
	F011733	130.8	131.8	0.006																	
	F011734	131.8	132.1	0.03																	
	F011735	132.1	133.1	0.006																	
	F011736	133.1	134.1	0.006																	
	F011737	134.1	135	0.006																	
135	F011738	135	135.3	0.005																	
	F011739	135.3	136.3	0.007																	
	F011741	136.3	137.3	0.006																	
	F011742	137.3	138.1	0.005																	
	F011743	138.1	138.9	0.019																	
	F011744	138.9	139.6	0.005																	
140	F011745	139.6	140.6	0.005																	
	F011746	140.6	141.5	0.005																	
	F011747	141.5	141.8	0.005																	
	F011748	141.8	142.8	0.005																	
	F011749	142.8	143.8	0.005																	
	F011751	143.8	144.3	0.005																	
	F011752	144.3	144.9	0.005																	
145	F011753	144.9	145.6	0.005																	
	F011754	145.6	146.3	0.005																	
	F011755	146.3	147.3	0.005																	
	F011756	147.3	148.3	0.005																	
	F011757	148.3	149.3	0.005																	
150	F011758	149.3	150.3	0.005																	
	F011759	150.3	151.3	0.005																	
	F011761	151.3	152.3	0.005																	
	F011762	152.3	153.3	0.005																	
	F011763	153.3	154.3	0.005								QTZ									
155	F011764	154.3	155.3	0.005								VN									
	F011765	155.3	156.3	0.005																	
	F011766	156.3	157.3	0.005																	
	F011767	157.3	158.3	0.005																	
	F011768	158.3	159.3	0.007																	
	F011769	159.3	160.3	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011769	159.3	160.3	0.005																	
	F011771	160.3	161.1	0.005																	
	F011772	161.1	161.5	0.007																	
	F011773	161.5	162.5	0.005																	
	F011774	162.5	163.5	0.008																	
	F011775	163.5	164.5	0.005																	
165	F011776	164.5	165.5	0.005																	
	F011777	165.5	166.5	0.005																	
	F011778	166.5	167.5	0.005																	
	F011779	167.5	168.5	0.005																	
	F011781	168.5	168.8	0.005																	
	F011782	168.8	169.3	0.005																	
170	F011783	169.3	170.3	0.005																	
	F011784	170.3	171.1	0.005																	
	F011785	171.1	171.4	0.005																	
	F011786	171.4	172.4	0.005																	
	F011787	172.4	173.4	0.005																	
	F011788	173.4	174.4	0.005																	
175	F011789	174.4	175.4	0.005																	
	F011791	175.4	176.4	0.005							It is difficult to discern as to whether this entire section is "2" material. Biotite wisps diminish significantly beginning at 144m approximately and the rock resembles a "6" unit for a few meters. Lower contact is irregular.										
	F011792	176.4	177.4	0.005	129.8	193.2	2	BG	MA	Blue-grey-green fgr massive rock that is resemblant of a mafic metavolcanic exhibiting a mottled texture. This entity houses sparse fgr Po mineralization and contains quartz veins. Foliation is weakly defined by biotite wisps.											
	F011793	177.4	178.4	0.005																	
	F011794	178.4	179.4	0.005																	
180	F011795	179.4	180.4	0.005																	
	F011796	180.4	181.4	0.005																	
	F011797	181.4	182.4	0.005																	
	F011798	182.4	183.4	0.005																	
	F011799	183.4	184.4	0.005																	
185	F011801	184.4	185.4	0.005																	
	F011802	185.4	186.4	0.005																	
	F011803	186.4	187.4	0.005																	
	F011804	187.4	188.4	0.005																	
	F011805	188.4	189.4	0.005																	
190	F011806	189.4	190.4	0.005																	
	F011807	190.4	191.4	0.005																	
	F011808	191.4	192.4	0.005																	
	F011809	192.4	193.2	0.008																	
	F011811	193.2	193.7	0.007																	
	F011812	193.7	194.1	0.044																	
	F011813	194.1	195	0.009																	
195	F011814	195	195.4	0.203	193.2	196.8	4B	G	LA	Grey fgr chert-magnetite iron formation exhibiting pronounced strain. This entity contains an appreciable quantity of fgr Po mineralization. Lower contact is sharp.											
	F011815	195.4	196.4	0.048																	
	F011816	196.4	196.8	0.205																	
	F011817	196.8	197.8	0.029																	
	F011818	197.8	198.7	0.022	196.8	199.3	2	GG	MA	Grey-green fgr massive mafic metavolcanic containing an appreciable quantity of fgr Po and Py mineralization: mineralization is primarily constrained to a small band spanning 198.7-198.8m approximately. Lower contact is gradational.											
	F011819	198.7	199.3	0.013																	
	F011821	199.3	200.2	0.006																	
	F011822	200.2	201.2	0.014	199.3	204.8	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting significant pervasive talc alteration. This entity is non-magnetic and exhibits relatively lower magnetic susceptibility values; values range from 0.4-0.5 primarily.	Lower contact is gradational.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011822	200.2	201.2	0.014	199.3	204.8	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting significant pervasive talc alteration. This entity is non-magnetic and exhibits relatively lower magnetic susceptibility values: values range from 0.4-0.5 primarily.	Lower contact is gradational.										
	F011823	201.2	202.2	0.005																	
	F011824	202.2	203.2	0.005																	
	F011825	203.2	204.2	0.005																	
	F011826	204.2	204.8	0.005																	
205	F011827	204.8	205.8	0.014	204.8	211.1	2	GG	MA	Grey-green fgr massive mafic metavolcanic exhibiting a mottled texture that is characterized by biotite crystals. This section is punctuated by distorted quartz veins. This entity contains an appreciable quantity of fgr Py mineralization.	Lower contact is gradational.										
	F011828	205.8	206.8	0.006																	
	F011829	206.8	207.8	0.009																	
	F011831	207.8	208.8	0.012																	
	F011832	208.8	209.5	0.01																	
	F011833	209.5	210.2	0.005																	
210	F011834	210.2	210.6	0.02																	
	F011835	210.6	211.1	0.005																	
	F011836	211.1	211.5	0.005	211.1	215.1	7A	GG	MA	Grey-green fgr-mgr mafic entity containing constituent crystals whose grain-size is appreciatively larger than the surrounding mafic material. This rock may be considered a "2" exhibiting dynamic recrystallization, a "7A", or a "2K".	This entity houses sparse fgr Py mineralization. Lower contact is gradational.										
	F011837	211.5	212	0.017																	
	F011838	212	213	0.005																	
	F011839	213	214	0.007																	
	F011841	214	214.5	0.008																	
215	F011842	214.5	215.1	0.005																	
	F011843	215.1	216.1	0.005	215.1	220.9	7A	GG	MA	Grey-dark green mgr-cgr massive mafic rock that is most indicative of a intrusion. This entity differs from the preceding "7A" material in that this rock houses mgr-cgr lath shaped crystals within what appears to be a fgr groundmass.	Lower contact is gradational.										
	F011844	216.1	217.1	0.005																	
	F011845	217.1	218.1	0.005																	
	F011846	218.1	218.6	0.005																	
	F011847	218.6	219.1	0.005																	
	F011848	219.1	219.4	0.005																	
220	F011849	219.4	220.2	0.005																	
	F011851	220.2	220.9	0.005																	
	F011852	220.9	221.9	0.006	220.9	224.6	2	GG	MA	Grey-green fgr massive mafic metavolcanic containing localized fgr Po and Py mineralization. This entity houses a minor section containing magnetite bands, as well as appreciable sulphide mineralization.	Lower contact is irregular/gradational.	4B	Entity is "2" material with bands of magnetite. Perhaps this is some sort of xenolith? Appreciable fgr Po and Py mineralization.								
	F011853	221.9	222.2	0.005																	
	F011854	222.2	223.2	0.005																	
	F011855	223.2	223.8	0.005																	
	F011856	223.8	224.3	0.007																	
225	F011857	224.3	224.6	0.005								4B	Strange mineralized "4B/2" material containing appreciable fgr Po and Py content.								
	F011858	224.6	225.6	0.046	224.6	239.6	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting appreciable talc alteration. This entity contains a significant quantity of structural features that are most indicative of faults. Lower contact is faulted.											
	F011859	225.6	226.6	0.023																	
	F011861	226.6	227.6	0.026																	
	F011862	227.6	228.6	0.005																	
	F011863	228.6	229.6	0.005																	
230	F011864	229.6	230.6	0.005																	
	F011865	230.6	231.6	0.005																	
	F011866	231.6	232.6	0.005																	
	F011867	232.6	233.6	0.005																	
	F011868	233.6	234.6	0.005																	
235	F011869	234.6	235.6	0.005																	
	F011871	235.6	236.6	0.005																	
	F011872	236.6	237.6	0.005																	
	F011873	237.6	238.6	0.005																	
	F011874	238.6	239.6	0.005																	
	F011875	239.6	240.1	0.005																	
240	F011876	240.1	241.1	0.017	239.6	247.8	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic containing sparse fgr Py mineralization. Lower contact is gradational.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011876	240.1	241.1	0.017	239.6	247.8	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic containing sparse fgr Py mineralization. Lower contact is gradational.											
	F011877	241.1	242	0.008																	
	F011878	242	242.4	0.005																	
	F011879	242.4	243.4	0.015																	
	F011881	243.4	244.4	0.017																	
245	F011882	244.4	245.4	0.005																	
	F011883	245.4	246.4	0.012																	
	F011884	246.4	247.4	0.02																	
	F011885	247.4	247.8	0.018																	
	F011886	247.8	248.4	0.005	247.8	248.4	1	GG	MA	Grey-green fgr massive ultramafic intrusive exhibiting appreciable talc alteration. This entity is non-magnetic and exhibits relatively low magnetic susceptibility values.	Perhaps this is "2" material whose colour has been modified by drill-scarring. Lower contact is gradational.										
	F011887	248.4	249.4	0.021	248.4	250.8	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic containing sparse fgr Po mineralization. Lower contact is sharp.											
250	F011888	249.4	250.4	0.021																	
	F011889	250.4	250.8	0.005																	
	F011891	250.8	251.2	0.022	250.8	251.2	QTZ VN	G	MA	Grey-white cgr massive quartz vein exhibiting an irregular lower contact.											
	F011892	251.2	252.2	0.008	251.2	253	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting appreciable talc alteration. This entity is non-magnetic and exhibits relatively low magnetic susceptibility values. Lower contact is gradational.											
	F011893	252.2	253	0.016																	
	F011894	253	254	0.164	253	259.8	2	GG	MA	Grey-green fgr massive mafic metavolcanic containing sparse fgr Po and Py mineralization. Lower contact is irregular.											
	F011895	254	255	0.054																	
255	F011896	255	256	0.102																	
	F011897	256	257	0.027																	
	F011898	257	258	0.068																	
	F011899	258	259	0.043																	
	F011901	259	259.8	0.005																	
260	F011902	259.8	260.8	0.06	259.8	267.9	4B	G	LA	Grey-yellow fgr chert-magnetite iron formation exhibiting pronounced strain. This entity contains variable grunerite content, as well as sparse fgr Po mineralization.	A large cobble-sized tan-coloured "blob" exists in close proximity to the upper contact; this "thing" can be scratched, albeit with some resistance. Perhaps this feature is some sort of localized alteration. Lower contact is irregular.										
	F011903	260.8	261.8	0.443																	
	F011904	261.8	262.8	0.014																	
	F011905	262.8	263.8	0.593																	
	F011906	263.8	264.3	0.061																	
	F011907	264.3	265	0.046																	
265	F011908	265	265.3	0.06																	
	F011909	265.3	266.3	0.1																	
	F011911	266.3	266.7	0.141																	
	F011912	266.7	267	0.013																	
	F011913	267	267.9	0.007																	
	F011914	267.9	268.9	0.016	267.9	286.6	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting appreciable talc alteration. This entity houses a considerable quantity of brittle faults and fractures. Lower contact is gradational.											
	F011915	268.9	269.9	0.01																	
270	F011916	269.9	270.9	0.054																	
	F011917	270.9	271.9	0.027																	
	F011918	271.9	272.9	0.024																	
	F011919	272.9	273.9	0.005																	
	F011921	273.9	274.9	0.005																	
275	F011922	274.9	275.9	0.005																	
	F011923	275.9	276.9	0.005																	
	F011924	276.9	277.9	0.017																	
	F011925	277.9	278.9	0.009																	
	F011926	278.9	279.9	0.006																	
280	F011927	279.9	280.9	0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011927	279.9	280.9	0.006	267.9	286.6	1	G	MA	Grey fgr massive ultramafic intrusive exhibiting appreciable talc alteration. This entity houses a considerable quantity of brittle faults and fractures. Lower contact is gradational.											
	F011928	280.9	281.9	0.116																	
	F011929	281.9	282.9	0.007																	
	F011931	282.9	283.9	0.005																	
	F011932	283.9	284.4	0.007																	
	F011933	284.4	285	0.006																	
285	F011934	285	286	0.008																	
	F011935	286	286.6	0.02																	
	F011936	286.6	287.6	0.02	286.6	303	2	GG	MA	Grey- dark green fgr massive mafic metavolcanic punctuated by quartz, quartz-carbonate, and carbonate veins/veinlets. This entity is characterized by biotite wisps. Lower contact is gradational.											
	F011937	287.6	288.6	0.019																	
	F011938	288.6	289.6	0.029																	
290	F011939	289.6	290.6	0.044																	
	F011941	290.6	291.6	0.022																	
	F011942	291.6	292.6	0.009																	
	F011943	292.6	293.6	0.042																	
	F011944	293.6	294.6	0.02																	
295	F011945	294.6	295.6	0.013																	
	F011946	295.6	296.6	0.008																	
	F011947	296.6	297.2	0.018																	
	F011948	297.2	297.8	0.014																	
	F011949	297.8	298.1	0.009																	
	F011951	298.1	299.1	0.02																	
	F011952	299.1	300.1	0.02																	
300	F011953	300.1	301.1	0.02																	
	F011954	301.1	302.1	0.026																	
	F011955	302.1	303	0.039																	
	F011956	303	304	0.037	303	322.2	7A	DG	MA	Dark-green mgr massive mafic rock containing a sparse quantity of fgr Po and Py mineralization. Lower contact is irregular.											
	F011957	304	305	0.057																	
305	F011958	305	306	0.01																	
	F011959	306	307	0.011																	
	F011961	307	307.4	0.098																	
	F011962	307.4	308.4	0.013																	
	F011963	308.4	309.4	0.005																	
310	F011964	309.4	310.4	0.005																	
	F011965	310.4	311.4	0.015																	
	F011966	311.4	312.4	0.035																	
	F011967	312.4	313.4	0.037																	
	F011968	313.4	314.4	0.013																	
315	F011969	314.4	315.4	0.028																	
	F011971	315.4	316.4	0.041																	
	F011972	316.4	317.4	0.021																	
	F011973	317.4	318.4	0.028																	
	F011974	318.4	319.4	0.005																	
320	F011975	319.4	320.4	0.005																	

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Depth	Sample	From	To	AU ppm
	F011975	319.4	320.4	0.005
	F011976	320.4	321.4	0.005
	F011977	321.4	322.2	0.005
	F011978	322.2	323.2	0.005
	F011979	323.2	324	0.005
	F011981	324	325	0.009
325	F011982	325	325.9	0.008
	F011983	325.9	326.4	0.005
	F011984	326.4	327	0.006
	F011985	327	327.4	0.005
	F011986	327.4	328.1	0.005
	F011987	328.1	328.8	0.005
330	F011988	329.8	330.4	0.005
	F011989	330.4	331	0.005
	F011991	331	332	0.005
	F011992	332	333	0.005
	F011993	333	334	0.005
	F011994	334	335	0.005
335	F011995	335	336	0.005
	F011996	336	337	0.005
	F011997	337	338	0.01
	F011998	338	339	0.005
	F011999	339	340	0.005
340	F012824	340	341	0.005
	F012825	341	341.9	0.005
	F012826	341.9	342.4	0.005
	F012827	342.4	343.4	0.005
	F012828	343.4	344.4	0.005
345	F012829	344.4	345.4	0.005
	F012831	345.4	346.4	0.02
	F012832	346.4	347.4	0.005
	F012833	347.4	348.4	0.005
	F012834	348.4	349.4	0.005
350	F012835	349.4	350.4	0.005
	F012836	350.4	351.4	0.005
	F012837	351.4	352.4	0.005
	F012838	352.4	353.4	0.005
	F012839	353.4	353.7	0.005
	F012841	353.7	354.5	0.005
355	F012842	354.5	355.4	0.005
	F012843	355.4	355.7	0.005
	F012844	355.7	356.6	0.005
	F012845	356.6	357.4	0.005
	F012846	357.4	358.3	0.005
	F012847	358.3	359.2	0.005
	F012848	359.2	360.2	0.005
360	F012849	360.2	361.2	0.005

From	To	Unit	Col	Text	Comments	Comments
303	322.2	7A	DG	MA	Dark-green mgr massive mafic rock containing a sparse quantity of fgr Po and Py mineralization. Lower contact is irregular.	
322.2	324	4B	G	BA	Fgr grey-black laminated chert-mag BIF with strong foliation. Moderate-strong gru alteration. Unit is locally weakly-moderately distorted and folded. Strongly magnetic. Localized ~4-10% string/blebby po min at UC. Sharp LC.	
324	325.9	7A	GG	FOL	Fgr-mgr grey-green well foliated gabbro with localized ~15% qz/cb veining at LC. Unit has a sharp knife fault that causes the foliation direction to abruptly flip to the opposite direction. Non-magnetic. No visible min. Sharp LC.	
325.9	326.4	QTZ VN	W	MA	Fgr white massive quartz vein with distorted intercalated gabbro. Unit is overall weakly distorted and contains weak cb alteration. Non-magnetic. No visible min. Sharp LC.	Unit transitions from intense distortion/attenuation with tight folds to moderate-intense distortion/attenuation with broader folds towards LC. Banding in the broader section pinches out along with refolding of the folds. Trace po min. Gradational LC.
326.4	327	7A	GG	FOL	Fgr-mgr grey-green well foliated gabbro with ~10-15% qz/cb veining. Unit is weakly distorted and fractured. Non-magnetic. No visible min. Faulted/sheared LC.	
327	327.4	QTZ VN	W	MA	Fgr white massive quartz vein within a potential fault zone. Intensity of the fault is unknown since the core has been dropped at some point. Non-magnetic. No visible min. Sharp LC.	
327.4	328.8		G	DIST		
328.8	329.8					
329.8	341.9	SIN G 4B	G	DIST	Fgr grey-beige foliated chert-mag BIF. The entire unit exhibits a texture akin to "static" composed of fgr-mgr magnetite grains in a chert/grunerite matrix. Texture becomes localized within the mag bands towards LC. Moderate-strong gru alt throughout. 1m of ground core.	Unit transitions from intense distortion/attenuation with tight folds to moderate-intense distortion/attenuation with broader folds towards LC. Banding in the broader section pinches out along with refolding of the folds. Trace po min. Gradational LC.
341.9	345.4	4B	G	DIST	Fgr grey-beige foliated chert-mag BIF. The entire unit exhibits a texture akin to "static" composed of fgr-mgr magnetite grains in a chert/grunerite matrix. Texture becomes localized within the mag bands towards LC. Moderate-strong gru alt throughout.	Unit is fairly homogenous with respect to grainsize but possible "remnant" banding is visible in the background, although the timing of each texture is uncertain. Moderate-strong gru alteration throughout. Strongly magnetic. Gradational LC.
345.4	362.2	4B	G	BA	Fgr grey-beige weakly-moderately foliated chert-mag BIF. The entire unit exhibits a texture akin to "static" composed of fgr-mgr magnetite grains in a chert/grunerite matrix. Unit contains localized areas of intense folding/shearing. No visible min.	Unit is intermittent moderately-strong folded and distorted. Strongly magnetic. Localized 1-10% blebby/semi-massive po min within litho. Irregular LC.

Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F012849	360.2	361.2	0.005	345.4	362.2	4B	G	BA	Fgr grey-beige well foliated chert-mag BIF. The “static” texture is now localized within mag bands and is far less frequent. The intensity and frequency of this texture decreases gradually towards LC. Moderate-strong gru alteration throughout.	Unit is intermittent moderately-strong folded and distorted. Strongly magnetic. Localized 1-10% blebby/semi-massive po min within litho. Irregular LC.										
	F012851	361.2	362.2	0.012	362.2	362.5	4H	GG	FOL												
	F012852	362.2	362.5	0.006	362.5	363	4A	BE	BA	Fgr bronze-green-white semi-massive pyrrhotite-rich breccia with weak-moderate foliation. Strong cb, weak-mod chl alteration. Unit contains ~5cm cb veining. Strongly magnetic. ~20-25% po mineralization throughout. Sharp LC.											
	F012853	362.5	363	0.007	363	363.9	6N	BK	FOL												
	F012854	363	363.9	0.008	363.9	368.2	7A	GG	FOL	Fgr grey-beige well foliated chert-gru BIF. Strong gru alteration. Unit is weakly-moderately broadly folded and weakly distorted. Locally strongly magnetic. ~1% blebby/disseminated po min within litho. Sharp LC. Fgr grey-white-black well foliated argillite with weak-moderate banding. Weak-mod cb-chl alteration. Unit is moderately folded and fractured throughout. ~15% qz/cb veining. Locally strongly magnetic. ~5% blebby/semi-massive po min within litho. Sharp LC. Fgr-mgr grey-green well foliated gabbro. Unit is weakly-moderately obliquely fractured with cb-infilling throughout. ~10-15% cb/qz veining. Weakly magnetic. Trace po min within veining/litho. Gradational LC.											
	F012855	363.9	364.2	0.005																	
365	F012856	364.2	365.2	0.005																	
	F012857	365.2	366.2	0.007																	
	F012858	366.2	367.2	0.007																	
	F012859	367.2	368.2	0.005																	
	F012861	368.2	368.8	0.005	368.2	371.1	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. Moderate-strong bt alteration. Unit is weakly obliquely fractured with cb-infilling. ~15-20% cb/qz veining. Locally weakly magnetic.	Localized blebby/disseminated po min within litho/veining. Gradational LC.										
	F012862	368.8	369.6	0.005																	
370	F012863	369.6	370.4	0.005																	
	F012864	370.4	370.7	0.005																	
	F012865	370.7	371.1	0.005																	
	F012866	371.1	372.1	0.005	371.1	394.2	7A	GG	FOL	Fgr-mgr grey-green well foliated gabbro. Unit is moderately obliquely fractured with cb/chl-infilling. ~10-15% cb/qz veining. Unit is increasingly fractured and faulted towards LC. Locally weakly magnetic.	Localized 0.5-2% disseminated/wispy po min within litho/veining. Sharp LC.										
	F012867	372.1	373.1	0.009																	
	F012868	373.1	374	0.006																	
	F012869	374	375	0.006																	
375	F012871	375	376	0.006																	
	F012872	376	377	0.009																	
	F012873	377	378	0.005																	
	F012874	378	379	0.007																	
	F012875	379	379.8	0.005																	
380	F012876	379.8	380.2	0.005																	
	F012877	380.2	381	0.005																	
	F012878	381	381.8	0.005																	
	F012879	381.8	382.4	0.005																	
	F012881	382.4	383.2	0.011																	
	F012882	383.2	384.2	0.007																	
	F012883	384.2	385.2	0.005																	
385	F012884	385.2	386.2	0.005																	
	F012885	386.2	387.2	0.009																	
	F012886	387.2	388.2	0.005																	
	F012887	388.2	389.2	0.011																	
	F012888	389.2	390.2	0.005																	
390	F012889	390.2	391.2	0.006																	
	F012891	391.2	392.2	0.005																	
	F012892	392.2	393.2	0.005																	
	F012893	393.2	394.2	0.006																	
	F012894	394.2	395	0.005	394.2	396.6	QTZ VN	G	FOL	Fgr dark green-grey-white quartz/carbonate vein with ~25-30% intercalated/remnant distorted gabbro. Unit is moderately-intensely distorted and fractured/brecciated. Non-magnetic. No visible min. Gradational LC.											
395	F012895	395	396	0.005																	
	F012896	396	396.6	0.008																	
	F012897	396.6	397.4	0.005	396.6	402.8	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Unit is weakly-moderately fractured and contains localized intense knife faulting. Intermittent 0.5-2cm distorted and cross-cutting qz/cb veining. Weakly magnetic.	Localized 0.5-1% disseminated/wispy po min within litho/veining. Gradational LC.										
	F012898	397.4	398.2	0.005																	
	F012899	398.2	398.8	0.005																	
	F012901	398.8	399.7	0.005																	
	F012902	399.7	400.4	0.005																	
400	F012903	400.4	401.1	0.005																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F012903	400.4	401.1	0.005	396.6	402.8	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Unit is weakly-moderately fractured and contains localized intense knife faulting. Intermittent 0.5-2cm distorted and cross-cutting qz/cb veining. Weakly magnetic.	Localized 0.5-1% disseminated/wispy po min within litho/veining. Gradational LC.										
F012904	401.1	402	0.005																	
F012905	402	402.8	0.005																	
F012906	402.8	403.7	0.005	402.8	411	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. Unit is weakly fractured throughout. Intermittent ~10% 0.1-0.5cm qz/cb veining. Weak-mod bt alteration. Unit is weakly distorted and locally broadly folded. Locally weakly magnetic.	Localized 1% disseminated/wispy po min within litho/veining. EOH.										
F012907	403.7	404.7	0.005																	
F012908	404.7	405.7	0.005																	
F012909	405.7	406.7	0.005																	
F012911	406.7	407.7	0.005																	
F012912	407.7	408.7	0.005																	
F012913	408.7	409.7	0.005																	
F012914	409.7	410.3	0.005																	
F012915	410.3	411	0.005																	

Depth: 405, 410, 415, 420, 425, 430, 435, 440

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	3	CASING														
	F011295	3	4	0.009	3	5.9	7A	DG	FOL	Dark green gabbro (7A) well foliated, non-magnetic. Cgr green amphibole crystals strongly attenuated along foliation axis due to mod high strain zone. Mod silica alteration of groundmass. Planar qz veinlets develop @ 5.1 m. No mineralization.	LC is sharp.										
	F011296	4	5	0.008																	
5	F011297	5	5.9	0.015																	
	F011298	5.9	6.9	0.033	5.9	10.4	4F	B	POR BL	Brown/pink, fgr bt groundmass, grt-bt schist (4F) mod to well internally foliated, fgr-mgr porph grts increasing in size towards centre of unit, non-magnetic. Moderate planar qz veining throughout unit. Minor mafic dyke from 7.8-8 m with sharp contacts.	No mineralization. LC is sharp.	2K									
	F011299	6.9	7.7	0.011																	
	F011301	7.7	8	0.028																	
	F011302	8	9	0.028																	
	F011303	9	10	0.035																	
10	F011304	10	10.4	0.026																	
	F011305	10.4	11	0.03	10.4	27.1	7A	DG	FOL	Dark green, cgr, gabbro (7A) mod to well foliated, non-magnetic. Mgr-cgr green amphibole crystals locally strongly attenuated along foliation where high strain zones occur. Mod silica alteration of groundmass seen around coarser grained crystals.	No significant veining. No mineralization. LC is sharp.										
	F011306	11	12	0.031																	
	F011307	12	13	0.025																	
	F011308	13	14	0.021																	
	F011309	14	15	0.039																	
15	F011311	15	16	0.036																	
	F011312	16	17	0.025																	
	F011313	17	18	0.025																	
	F011314	18	19	0.027																	
	F011315	19	20	0.012																	
20	F011316	20	21	0.013																	
	F011317	21	22	0.015																	
	F011318	22	23	0.019																	
	F011319	23	24	0.017																	
	F011321	24	25	0.018																	
25	F011322	25	26	0.018																	
	F011323	26	26.7	0.024																	
	F011324	26.7	27.1	0.024																	
	F011325	27.1	27.9	0.012	27.1	31.5	4F	B	BA	Brown/pink/green, fgr bt groundmass, grt-bt schist (4F) strong planar banding with minor 4E bands (~10%), porph grts of variable size ranging from 1-6 mm, non-magnetic. Weak planar qz veining observed through unit. No mineralization. LC is gradational.											
	F011326	27.9	28.7	0.021																	
	F011327	28.7	29.5	0.028																	
30	F011328	29.5	30.5	0.025																	
	F011329	30.5	31.5	0.029																	
	F011331	31.5	32	0.023	31.5	32.6	4E	DG	BA	Dark green/pink/brown, aph groundmass, grt-amp iron formation (4E) strong planar banding with minor 4F bands, moderately magnetic, fgr porph grts. Upward coarsening of grts seen in 4F bands. Local veining, no mineralization. LC is gradational.											
	F011332	32	32.6	0.065																	
	F011333	32.6	33.6	0.016	32.6	33.6	4F	B	BA	Brown/pink/green, fgr bt groundmass, grt-bt schist (4F) strong planar banding with minor 4E bands, mod magnetism associated with 4E bands, fgr to mgr porph grts; upward coarsening of grts in 4F bands. Local weak planar qz veins.	No mineralization. LC is gradational.										
	F011334	33.6	34.5	0.24	33.6	40.4	4E	DG	BA	Dark green/pink/brown, aph amp groundmass, grt-amp iron formation (4E) planar alternating bands with minor 4F bands, vfg-fgr porph grts with upwards coarsening, mod magnetic. Local attenuation of garnets. Weak planar qz veining.	No mineralization. LC is sharp.										
35	F011335	34.5	35.4	0.125																	
	F011336	35.4	36.4	0.171																	
	F011337	36.4	37.4	0.11																	
	F011338	37.4	38.4	0.098																	
	F011339	38.4	39.4	0.103																	
	F011341	39.4	40.4	0.046																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011341	39.4	40.4	0.046	33.6	40.4	4F	DG	BA	Dark green/pink/brown, aph amp groundmass, grt-amp iron formation (4E) planar alternating bands with minor 4F bands, vfg-fgr porph grts with upwards coarsening, mod magnetic. Local attenuation of garnets. Weak planar qz veining.	No mineralization. LC is sharp.										
	F011342	40.4	41	0.01	40.4	48.2		G	FOL	Light grey, fgr, metasediment (6) weak to moderately foliated, non-magnetic. Weak pervasive bt alteration, strong silicification. Planar white qz veining occurring throughout unit. Mod to strong brittle faulting develops @ 47.4 m. LC is faulted.											
	F011343	41	42	0.012																	
	F011344	42	43	0.014																	
	F011345	43	44	0.009																	
	F011346	44	45	0.009																	
45	F011347	45	46	0.009																	
	F011348	46	47	0.01																	
	F011349	47	47.5	0.011																	
	F011351	47.5	48.2	0.013																	
	F011352	48.2	49	0.015	48.2	57.3	7A	LG	FOL	Light green, cgr, gabbro (7A) well foliated, non-magnetic. Cgr green amp crystals locally moderately attenuated along foliation and where HZ's occur. Mod tlc alteration of groundmass from 54-54.7 m. Mod HZ develops @ 56.5 m and continues through	LC. Mod carb flooding associated w/ HZ. No mineralization. LC is gradational and marked at grey qz vein where grt development seems to begin.										
	F011353	49	50	0.01																	
50	F011354	50	51	0.01																	
	F011355	51	52	0.01																	
	F011356	52	53	0.013																	
	F011357	53	54	0.026																	
	F011358	54	55	0.019																	
55	F011359	55	56	0.016																	
	F011361	56	56.6	0.022																	
	F011362	56.6	57.3	0.016																	
	F011363	57.3	58	0.012	57.3	60.7	2U	LG	DIST	Light green/pink, cgr, grt-bearing mafic metavolcanic (gabbro) (7A) moderately distorted, mod foliated, fgr porph grts, non-magnetic. Cgr green amphibole crystals strongly attenuated along foliation axis. Unit is highly strained causing porph garnets	and strong carbonate flooding. No visible mineralization. LC is gradational and marked where garnets are no longer seen.										
	F011364	58	59	0.028																	
	F011365	59	60	0.012																	
60	F011366	60	60.7	0.015																	
	F011367	60.7	61.3	0.022	60.7	69.7	7A	LG	FOL	Light green, cgr, gabbro (7A) well foliated, locally massive, non-magnetic. Cgr green amphibole crystals strongly attenuated along foliation axis where strain occurs. Moderate brittle faulting with rusting on fault surfaces.	Mod methane faulting w/ strong hematite staining begins @ 67.1m, cross cutting fabric. LC is sharp and irregular.										
	F011368	61.3	62	0.022																	
	F011369	62	63	0.028																	
	F011371	63	64	0.03																	
	F011372	64	65	0.029																	
65	F011373	65	66	0.023																	
	F011374	66	67	0.027																	
	F011375	67	68	0.023																	
	F011376	68	69	0.016																	
	F011377	69	69.7	0.022																	
70	F011378	69.7	70.7	0.006	69.7	73.6	4F	G	DIST	Greyish-brown, pink, fgr bt groundmass, grt-bt schist (4F) mod distorted to massive, fgr-mgr porph grts, non-magnetic. Mod to strong methane faulting commonly cross cuts foliation with strong hematite staining and causes moderate silicification.	No mineralization. LC is diffuse due to methane and high strain, marked where garnets end.										
	F011379	70.7	71.6	0.018																	
	F011381	71.6	72.6	0.028																	
	F011382	72.6	73.6	0.035																	
	F011383	73.6	74	0.176	73.6	96	7A	LG	FOL	Light green, cgr, gabbro (7A) mod to well foliated, non-magnetic. Cgr green amphibole crystals mod to strongly attenuated along foliation where wk HZ's occur. Mod to strong HZ from UC-79.1 m causes strong biotitization and mod carbonate	flooding. Weak qz-carbonate crack seal veins occur moving downhole. Local 2% litho hosted po disseminations @ 99.2 m. EOH.										
	F011384	74	75	0.029																	
75	F011385	75	76	0.026																	
	F011386	76	77	0.04																	
	F011387	77	78	0.026																	
	F011388	78	79	0.016																	
	F011389	79	80	0.015																	
	F011391	80	81	0.021																	

19-BOT-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F011391	80	81	0.021	73.6	96	7A	LG	FOL	Light green, cgr, gabbro (7A) mod to well foliated, non-magnetic. Cgr green amphibole crystals mod to strongly attenuated along foliation where wk HZ's occur. Mod to strong HZ from UC-79.1 m causes strong biotitization and mod carbonate	flooding. Weak qz-carbonate crack seal veins occur moving downhole. Local 2% litho hosted po disseminations @ 99.2 m. EOH.										
	F011392	81	82	0.017																	
	F011393	82	83	0.021																	
	F011394	83	84	0.02																	
	F011395	84	85	0.012																	
85	F011396	85	86	0.022																	
	F011397	86	87	0.028																	
	F011398	87	88	0.045																	
	F011399	88	89	0.005																	
	F011401	89	90	0.012																	
90	F011402	90	91	0.021																	
	F011403	91	91.5	0.023																	
	F011404	91.5	92.2	0.021																	
	F011405	92.2	92.5	0.007																	
	F011406	92.5	93	0.055																	
	F011407	93	94	0.041																	
	F011408	94	95	0.009																	
95	F011409	95	96	0.021																	
100																					
105																					
110																					
115																					

19-GRF-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5, 10					0	14.9	CASING														
15	F018001	14.9	15.5	0.005																	
	F018002	15.5	16	0.005																	
	F018003	16	17	0.005																	
	F018004	17	18	0.005																	
	F018005	18	19	0.005																	
	F018006	19	20	0.005																	
20	F018007	20	21	0.005																	
	F018008	21	22	0.005																	
	F018009	22	23	0.005																	
	F018011	23	24	0.006																	
	F018012	24	24.7	0.005																	
25	F018013	24.7	25	0.005								4A									
	F018014	25	26	0.005																	
	F018015	26	27	0.005																	
	F018016	27	28	0.005	14.9	54.6	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Variable pervasive bt+amp alt ranging from wk-mod and seems to be controlled by patchy HZ/SZ's. These zones show stronger qz-cb veining, local silicification and	abundant KF's showing >1cm sinistral offset. Minor unmineralized 4A @ 24.8m. Trace local po blebs hosted in groundmass. LC is sharp.										
	F018017	28	29	0.005																	
	F018018	29	30	0.005																	
30	F018019	30	31	0.005																	
	F018021	31	32	0.005																	
	F018022	32	33	0.005																	
	F018023	33	34	0.005																	
	F018024	34	35	0.005																	
35	F018025	35	36	0.005																	
	F018026	36	37	0.005																	
	F018027	37	38	0.005																	
	F018028	38	39	0.005																	
	F018029	39	40	0.005																	
	F018031	40	41	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018031	40	41	0.005	14.9	54.6	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Variable pervasive bt+amp alt ranging from wk-mod and seems to be controlled by patchy HZ/SZ's. These zones show stronger qz-cb veining, local silicification and	abundant KF's showing >1cm sinistral offset. Minor unmineralized 4A @ 24.8m. Trace local po blebs hosted in groundmass. LC is sharp.										
	F018032	41	42	0.005																	
	F018033	42	43	0.005																	
	F018034	43	44	0.005																	
	F018035	44	45	0.005																	
45	F018036	45	46	0.005																	
	F018037	46	47	0.005																	
	F018038	47	48	0.005																	
	F018039	48	49	0.005																	
	F018041	49	50	0.005																	
50	F018042	50	51	0.005																	
	F018043	51	52	0.005																	
	F018044	52	53	0.005																	
	F018045	53	54	0.005																	
	F018046	54	54.6	0.005						Beige/dark green, aph, chert-mag BIF (4B) thin alternating planar laminae, strongly magnetic. Strong gru alteration of magnetite, but still strongly magnetic; reason for 4B classification. ~5cm biotitized mafic. ~0.75% diss/threaded po min.										
55	F018047	54.6	55	0.231	54.6	55	4B	BE	LA		No veining. LC is sharp.										
	F018048	55	56	0.006	55	56.9	2	G	FOL	Light grey, fgr, mafic metavolcanic (2) weakly foliated, non-magnetic. Wk pervasive bt alt. Planar 0.1-0.5 cm qz-cb veinlets observed throughout unit. No visible mineralization. LC is sharp.											
	F018049	56	56.9	0.005																	
	F018051	56.9	57.9	0.019	56.9	62	4B	BE	LA	Beige/dark green, aph, chert-mag BIF (4B) planar thin alternating laminae, locally distorted, strongly magnetic. Strong gru alt of groundmass unaffecting magnetism; reasoning for 4B classification. Local HZ causing mod distortion and chevron m-folds,	local qz flooding hosting po mineralization. ~1-3% semi-continuous po min from 60m-LC. LC is sharp.										
	F018052	57.9	58.7																		
	F018053	58.7	59	0.067																	
	F018054	59	60	0.107																	
	F018055	60	61	0.052																	
60	F018056	61	61.3	0.837																	
	F018057	61.3	62	0.053																	
	F018058	62	62.7	0.069																	
	F018059	62.7	63	0.022	62	77.6	2	G	FOL	Light grey, fgr, mafic metavolcanic? (2) (possible 6?) mod foliated, non-magnetic. Variable pervasive bt alt ranging from wk-mod. Common planar qz-cb veining throughout typically associated w/ mafics.	Mod SZ from UC-64.1m causing biotitization of groundmass and distortion/boudinage of qz, patchy 4-5% py min, minor 4B hosting trace diss po @ 62.8m. LC is sharp.	4B									
	F018061	63	63.5	0.014																	
	F018062	63.5	63.9	0.005																	
	F018063	63.9	64.5	0.005																	
65	F018064	64.5	65	0.005																	
	F018065	65	66	0.005																	
	F018066	66	67	0.005																	
	F018067	67	68	0.005																	
	F018068	68	69	0.005																	
	F018069	69	70	0.005																	
70	F018071	70	71	0.005																	
	F018072	71	72	0.005																	
	F018073	72	73	0.005																	
	F018074	73	74	0.005																	
	F018075	74	75																		
	F018076	75	76	0.005																	
75	F018077	76	77	0.005																	
	F018078	77	77.6	0.005																	
	F018079	77.6	78.4	0.01																	
	F018081	78.4	78.9	0.014																	
	F018082	78.9	79.3	0.01																	
	F018083	79.3	79.6	0.013	77.6	80.9		G	FOL	Light grey, fgr, metasediment (6) moderately distorted/foliated, non-magnetic groundmass. Possibly strongly silicified/feldspathized mafic? – fresh surfaces look sedimentary. Entire unit is sheared causing local qz flooding veins and	strong pervasive silica. Isoclinal m-folding observed. Semi-continuous 1-10% magnetic po mineralization, trace 1% py. LC is sharp.										
	F018084	79.6	80	0.019																	
	F018085	80	80.5	0.01																	
				0.02																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F018085	80	80.5	0.02	77.6	80.9		G	FOL	Light grey, fgr, metasediment (6) moderately distorted/foliated, non-magnetic groundmass. Possibly silicified/feldspathized mafic? – fresh surfaces look sedimentary. Entire unit is sheared causing local qz flooding veins and	strong pervasive silica. Isoclinal m-folding observed. Semi-continuous 1-10% magnetic po mineralization, trace 1% py. LC is sharp.	2									
F018086	80.5	80.9	0.039	80.9	81.8	2	GG	FOL	Light greenish-grey, fgr. Mafic metavolcanic (2) mod foliated, locally distorted, non-magnetic. Wk pervasive bt, mod pervasive green amp alt. Thin distorted qz-cb veinlets observed throughout.											
F018087	80.9	81.5	0.04	81.8	86.2		G	FOL	Light grey, fgr, metasediment? (6) mod foliated to locally distorted, non-magnetic. Strong silicification of groundmass (possibly silicified mafic?) mod SZ terminates @ 82.6m pulling in minor mineralized mafic unit and controls ~6% magnetic po	Mod SZ develops @ 81.7 m and controls ~3% magnetic po min. LC is sharp. mineralization. Semi-continuous 3-4% magnetic po min through the rest of the unit. LC is diffuse.										
F018088	81.5	81.8	0.019																	
F018089	81.8	82.3	0.022																	
F018091	82.3	82.6	0.066																	
F018092	82.6	83	0.01																	
F018093	83	83.8	0.015																	
F018094	83.8	84.7	0.056																	
F018095	84.7	85.5	0.024																	
F018096	85.5	86.2	0.018	86.2	88.1	2T	B	DIST	Brown, fgr biotitized mafic metavolcanic (2T) strongly distorted, non-magnetic. Intense biotitization of groundmass caused by strong shear zone running through unit causing irregular cb flooding and veinlets, bands of gru? alteration hosting	~5% diss po min from 87.7-LC. L is sharp.										
F018097	86.2	86.7	0.012																	
F018098	86.7	87.7	0.034																	
F018099	87.7	88.1	0.031	88.1	89.7		G	DIST	Light grey, fgr, metasediment (6) mod distorted and foliated, non-magnetic. Strongly silicified/feldspathized groundmass, mod wispy bt. Weak planar cb veining. Continuous 3% threaded and diss po mineralization. LC is sharp.											
F018101	88.1	88.9	0.015																	
F018102	88.9	89.7	0.025																	
F018103	89.7	90.1	0.096	89.7	148.2	2H	G	FOL	Light greenish-grey, fgr, mafic metavolcanic lapilli tuff? (2H) well foliated, non-magnetic. Weak to mod pervasive bt+amp alt. Seems to contain 1-5mm feldspathic lapilli throughout in groundmass; very visually similar to 3F but groundmass and fresh	surfaces seem intermediate to mafic. Local HZ's causing feldspathic alteration bands and mod-strong sericitization of groundmass (hydrothermal pathways). Planar qz-cb veining throughout and abundant (10-20/m). Local 6% wisps/blebs po. LC is sharp.										
F018104	90.1	91.1	0.019																	
F018105	91.1	92.1	0.01																	
F018106	92.1	93.1	0.012																	
F018107	93.1	94.1	0.017																	
F018108	94.1	94.4	0.023																	
F018109	94.4	95.1	0.061																	
F018111	95.1	95.8	0.031																	
F018112	95.8	96.1	0.033																	
F018113	96.1	97	0.015																	
F018114	97	98	0.02																	
F018115	98	99	0.005																	
F018116	99	100	0.005																	
F018117	100	101	0.006																	
F018118	101	102	0.005																	
F018119	102	103	0.007																	
F018121	103	104	0.005																	
F018122	104	105	0.005																	
F018123	105	106	0.005																	
F018124	106	107	0.006																	
F018125	107	108	0.006																	
F018126	108	109	0.009																	
F018127	109	110	0.005																	
F018128	110	111	0.005																	
F018129	111	112	0.005																	
F018131	112	113	0.006																	
F018132	113	114	0.005																	
F018133	114	115	0.006																	
F018134	115	116	0.005																	
F018135	116	117	0.005																	
F018136	117	118	0.005																	
F018137	118	119	0.005																	
F018138	119	119.6	0.01																	
F018139	119.6	120.2	0.041																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018139	119.6	120.2	0.041																	
	F018141	120.2	121	0.005																	
	F018142	121	122	0.009																	
	F018143	122	123	0.005																	
	F018144	123	124	0.005																	
	F018145	124	125	0.005																	
125	F018146	125	126	0.005																	
	F018147	126	127	0.005																	
	F018148	127	128	0.005																	
	F018149	128	129	0.005																	
	F018151	129	130	0.005																	
130	F018152	130	131	0.005																	
	F018153	131	132	0.006																	
	F018154	132	133	0.007																	
	F018155	133	134	0.005																	
	F018156	134	135	0.005	89.7	148.2	2H	G	FOL	Light greenish-grey, fgr, mafic metavolcanic lapilli tuff? (2H) well foliated, non-magnetic. Weak to mod pervasive bt+amp alt. Seems to contain 1-5mm feldspathic lapilli throughout in groundmass; very visually similar to 3F but groundmass and fresh	surfaces seem intermediate to mafic. Local HZ's causing feldspathic alteration bands and mod-strong sericitization of groundmass (hydrothermal pathways). Planar qz-cb veining throughout and abundant (10-20/m). Local 6% wisps/blebs po. LC is sharp.										
135	F018157	135	136	0.005																	
	F018158	136	137	0.005																	
	F018159	137	138	0.005																	
	F018161	138	139	0.005																	
	F018162	139	140	0.005																	
140	F018163	140	141	0.005																	
	F018164	141	142	0.012																	
	F018165	142	143	0.005																	
	F018166	143	144	0.005																	
	F018167	144	145	0.005																	
145	F018168	145	146	0.005																	
	F018169	146	147	0.01																	
	F018171	147	147.6	0.007																	
	F018172	147.6	148.2	0.033																	
	F018173	148.2	148.6	0.337	148.2	148.6	3P	G	FOL	Light grey, fgr, intermediate dyke? (3P) well foliated, non-magnetic. Strong sericitization throughout, seems similar to overlying hydrothermal pathways, possibly altered mafic, but contacts are sharp. Trace dis po min.											
	F018174	148.6	149.5	0.036																	
150	F018175	149.5	150.4	0.028																	
	F018176	150.4	150.9	0.015																	
	F018177	150.9	151.9	0.014																	
	F018178	151.9	152.9	0.103																	
	F018179	152.9	153.4	0.031																	
	F018181	153.4	154	0.011																	
	F018182	154	155	0.032	148.6	183.1	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) well foliated, locally strongly distorted, non-magnetic. Highly veined; 10-20 planar white qz + cb vns per meter. Common HZ's producing coarser grained amp crystals and local po min. Int SZ from 150.3-153.6	causing strong distortion, white qz+cb flooding, isoclinal m-folding, 2.5-4% po mineralization. LC is diffuse due to strong HZ.										
155	F018183	155	156	0.01																	
	F018184	156	157	0.026																	
	F018185	157	158	0.022																	
	F018186	158	159	0.014																	
	F018187	159	160	0.014																	
	F018188	160	161	0.01																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018188	160	161	0.01	148.6	183.1	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) well foliated, locally strongly distorted, non-magnetic. Highly veined; 10-20 planar white qz + cb vns per meter. Common HZ's producing coarser grained amp crystals and local po min. Int SZ from 150.3-153.6	causing strong distortion, white qz+cb flooding, isoclinal m-folding, 2.5-4% po mineralization. LC is diffuse due to strong HZ.									
	F018189	161	162	0.01																	
	F018191	162	162.8	0.019																	
	F018192	162.8	163.5	0.011																	
	F018193	163.5	164.5	0.015																	
165	F018194	164.5	165.1	0.01																	
	F018195	165.1	165.6	0.022																	
	F018196	165.6	166.2	0.012																	
	F018197	166.2	167	0.024																	
	F018198	167	167.5	0.024																	
	F018199	167.5	168	0.005																	
	F018201	168	169	0.005																	
	F018202	169	170	0.005																	
170	F018203	170	171	0.005																	
	F018204	171	172	0.005																	
	F018205	172	173	0.005																	
	F018206	173	174	0.005																	
	F018207	174	175	0.005																	
175	F018208	175	176	0.005																	
	F018209	176	177	0.005																	
	F018211	177	178	0.007																	
	F018212	178	179	0.006																	
	F018213	179	180	0.035																	
180	F018214	180	180.8	0.031																	
	F018215	180.8	181.6	0.027																	
	F018216	181.6	182.6	0.012																	
	F018217	182.6	183.1	0.03																	
	F018218	183.1	183.9	0.047	183.1	185.3		B	DIST	Greyish-brown, fgr, metasediment (6) mod distorted, strongly attenuated, well foliated, non-magnetic. Strong sericitization + biotitization of groundmass caused by strong HZ. Unit shows 3% diss + threaded po, 2% py, 1% asp throughout unit which	seems to be strain controlled. Massive grey qz vein hosting blebby po @ 184 m. LC is sharp.									
	F018219	183.9	184.6	0.066																	
185	F018221	184.6	185.3	0.209																	
	F018222	185.3	186	0.011	185.3	211.1	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weal pervasive bt, mod pervasive green amp. Common planar qz-cb veining 5-10/m. Moderate brittle faulting observed w/ euhedral py crystallized in fault gouge. Local 1% diss po,	also 4% vein hosted asp. Local breccia being infilled by cb. Patch of strong sericitization develops @ 208.7 and hosts diss py. Mod SZ develops @ 209.3 m showing strong sericitization followed by coarsening of amp crystals. LC is gradational.									
	F018223	186	186.8	0.016																	
	F018224	186.8	187.1	0.085																	
	F018225	187.1	188.1	0.016																	
	F018226	188.1	189.1	0.088																	
	F018227	189.1	189.4	0.38																	
190	F018228	189.4	190	0.016																	
	F018229	190	191	0.015																	
	F018231	191	192	0.006																	
	F018232	192	193	0.005																	
	F018233	193	194	0.005																	
	F018234	194	195	0.005																	
195	F018235	195	196	0.005																	
	F018236	196	197	0.005																	
	F018237	197	198	0.005																	
	F018238	198	199	0.005																	
	F018239	199	200	0.005																	
	F018241	200	201	0.034																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018241	200	201	0.034	185.3	211.1	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weal pervasive bt, mod pervasive green amp. Common planar qz-cb veining 5-10/m. Moderate brittle faulting observed w/ euhedral py crystallized in fault gouge. Local 1% diss po,	also 4% vein hosted asp. Local breccia being infilled by cb. Patch of strong sericitization develops @ 208.7 and hosts diss py. Mod SZ develops @ 209.3 m showing strong sericitization followed by coarsening of amp crystals. LC is gradational.									
	F018242	201	202	0.019																	
	F018243	202	203	0.028																	
	F018244	203	204	0.005																	
	F018245	204	205	0.005																	
205	F018246	205	206	0.005																	
	F018247	206	207	0.005																	
	F018248	207	208	0.005																	
	F018249	208	208.7	0.005																	
	F018251	208.7	209.2	0.007																	
	F018252	209.2	210.1	0.005																	
210	F018253	210.1	211.1	0.005																	
	F018254	211.1	212	0.012	211.1	214.6	2U	DG	DIST	Dark green/pink, fgr matrix, grt-bearing mafic metavolcanic (2) mod distorted, locally foliated, fgr porph grts throughout. Unit is moderately sheared causing coarsening of green amp crystals, mod pervasive cb.	Patchy 0.5-4% magnetic po mineralization, 1% py. Grts density decreases towards contacts. LC is gradational.	4E									
	F018255	212	212.6	0.005																	
	F018256	212.6	213.1	0.015																	
	F018257	213.1	213.4	0.009																	
	F018258	213.4	214	0.006																	
	F018259	214	214.6	0.005																	
215	F018261	214.6	215	0.005	214.6	233.7	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weak pervasive bt, mod-str pervasive green amp. Moderate qz-cb veining throughout typically associated w/ mafics, grey qz tension gashes observed. Local 3% diss/threaded po min.	LC is diffuse due to wk HZ.										
	F018262	215	216	0.005																	
	F018263	216	217	0.005																	
	F018264	217	217.3	0.01																	
	F018265	217.3	217.6	0.012																	
	F018266	217.6	218.1	0.01																	
	F018267	218.1	219	0.01																	
	F018268	219	219.4	0.1																	
220	F018269	219.4	220.2	0.01																	
	F018271	220.2	221	0.011																	
	F018272	221	222	0.014																	
	F018273	222	223	0.014																	
	F018274	223	224	0.01																	
	F018275	224	225	0.017																	
225	F018276	225	226	0.01																	
	F018277	226	227	0.015																	
	F018278	227	228	0.01																	
	F018279	228	229	0.01																	
	F018281	229	230	0.012																	
230	F018282	230	230.9	0.01																	
	F018283	230.9	231.9	0.018																	
	F018284	231.9	232.9	0.023																	
	F018285	232.9	233.7	0.01																	
	F018286	233.7	234.2	0.012	233.7	234.2		B	FOL	Greyish-brown, fgr, metasediment (6) well foliated/highly strained, non-magnetic. Fgr pervasive bt 'qz sweats' throughout unit. Weak cb veining is a product of strain. ~3% diss/threaded po min, 1% py. LC is diffuse.											
	F018287	234.2	235	0.014	234.2	243	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Weak pervasive bt + green amp alt. Moderate extensive brittle faulting from 235.1-239.1 m. Common planar qz-cb veining;	1-5/m. 5% threaded/diss po min from 237.8-238.2 m associated w/ strain. LC is diffuse.										
235	F018288	235	236	0.035																	
	F018289	236	237	0.012																	
	F018291	237	237.8	0.045																	
	F018292	237.8	238.2	0.038																	
	F018293	238.2	239	0.01																	
	F018294	239	240	0.019																	
240	F018295	240	241	0.016																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018295	240	241	0.016	234.2	243	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Weak pervasive bt + green amp alt. Moderate extensive brittle faulting from 235.1-239.1 m. Common planar qz-cb veining;	1-5/m. 5% threaded/diss po min from 237.8-238.2 m associated w/ strain. LC is diffuse.										
	F018296	241	242	0.016																	
	F018297	242	243	0.013																	
	F018298	243	244	0.014	243	244.7		B	FOL	Greyish-brown, fgr, metasediment (6) mod to well foliated, non-magnetic Massive fgr bt groundmass, common thin fgr qz sweats throughout unit. Green amp banding occurs in top 40cm of unit. No mineralization. LC is diffuse.											
	F018299	244	244.7	0.024																	
245	F018301	244.7	245.3	0.012	244.7	248.8	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weak pervasive bt + amp alteration. Weak irregular carb veinlets throughout. Thin mod brittle fault @ 247.9 m causing fgr unconsolidated fault gouge.	Veining increases in abundance adjacent to LC. LC is sharp.										
	F018302	245.3	246	0.016																	
	F018303	246	247	0.016																	
	F018304	247	248	0.012																	
	F018305	248	248.8	0.016																	
	F018306	248.8	249.3	0.01	248.8	249.3	4B	BE	DIST	Beige/green, aph, chert-mag BIT (4B) mod distorted laminae, strongly magnetic. Strong gru alteration of unit occurs unaffecting magnetism. Unit is highly strained causing local mafic (?) band adjacent to LC w/ mgr amp crystals.	~1% diss/threaded po min throughout unit; strain controlled. LC is sharp.	4B	<30cm								
	F018307	249.3	249.7	0.022	249.3	255.6	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weak to mod pervasive bt + amp alt, alternating in bands. Local grey qz stringers showing isoclinal s-folding from 251.8-252.3m. Weak planar qz-cb veining throughout.	No visible mineralization. Minor 4B @249.7m hosting 0.5% diss po. LC is sharp.										
250	F018308	249.7	250	0.032																	
	F018309	250	251	0.016																	
	F018311	251	252	0.019																	
	F018312	252	253	0.005																	
	F018313	253	254	0.005																	
	F018314	254	255	0.005																	
255	F018315	255	255.3	0.005																	
	F018316	255.3	255.6	0.005								0									
	F018317	255.6	256	0.01	255.6	258.8	4B	DG	LA	Dark green/beige, aph, chert-mag BIF (4B) planar alternating laminae, strongly magnetic. Strong gru alteration occurs through unit, mod HZ's showing strong attenuation/ "ripping" of laminae and isoclinal s-folding throughout.	No veining or mineralization. LC is sharp.										
	F018318	256	257	0.006																	
	F018319	257	258	0.005																	
	F018321	258	258.8	0.005																	
	F018322	258.8	259.2	0.005	258.8	259.2		B	FOL	Brown, fgr, metasediment (6) well foliated, non-magnetic. Dominantly fgr bt groundmass, Planar qz veins observed. No mineralization. LC is sharp.											
	F018323	259.2	260	0.005	259.2	264.7	4B	DG	LA	Dark green/beige, aph, chert-mag BIF (4B) planar (locally distorted) alternating laminae, strongly magnetic. Mod HZ causing strong attenuation and ripping apart of laminae, also results in isoclinal s-folding.	No veining, local trace diss po mineralization. LC is sharp.										
260	F018324	260	261	0.005																	
	F018325	261	262	0.005																	
	F018326	262	263	0.005																	
	F018327	263	264	0.005																	
	F018328	264	264.7	0.005																	
265	F018329	264.7	265.7	0.005	264.7	267.7	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weak to mod pervasive bt + amp alt. Common planar qz cb veinlets throughout. Trace disseminated po min adjacent to LC bleeding into unit. LC is sharp.											
	F018331	265.7	266.7	0.005																	
	F018332	266.7	267.4	0.005																	
	F018333	267.4	267.7	0.005																	
	F018334	267.7	268	0.005	267.7	268	6N	BK	DIST	Black/brown, aph, argillite/mudstone (6N) mod distorted/banded, non-magnetic. Thin qz-cb veinlets throughout. ~5% threaded and disseminated po mineralization through unit generally most concentrated adjacent to contacts. LC is sharp.											
	F018335	268	269	0.005	268	271.7	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Local thin planar qz-cb veinlets observed locally showing s-folding. Weak pervasive bt + amp alt. No visible mineralization. LC is sharp.											
	F018336	269	270	0.005																	
270	F018337	270	271	0.005																	
	F018338	271	271.7	0.005																	
	F018339	271.7	272.1	0.007	271.7	274.2	4B	DG	LA	Dark green/beige, aph, chert-mag BIF (4B) planar alternating laminae, strongly magnetic. Mod gru alteration of magnetite, mod HZ causes strong attenuation and ripping apart of laminae, also shows tight isoclinal s-folding.	Minor unmineralized metased unit @ 271.9 m. No veining or mineralization. LC is sharp.	0									
	F018341	272.1	273	0.005																	
	F018342	273	273.7	0.005																	
	F018343	273.7	274.2	0.005																	
	F018344	274.2	275	0.005	274.2	286	2	G	FOL	Light grey, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weak pervasive bt alt, patchy mod tlc alteration. Common thin planar cb crack seal veinlets; tightly packed @ 276.9m, possible breccia? Mod Brittle fault @ 280.6 m.	Mod HZ @ 280.8 m causing cb flooding. No mineralization. Minor unmineralized 4B @ 285.7 m.LC is sharp.										
275	F018345	275	276	0.005																	
	F018346	276	277	0.005																	
	F018347	277	278	0.005																	
	F018348	278	279	0.005																	
	F018349	279	280	0.005																	
280	F018351	280	281	0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018351	280	281	0.006	274.2	286	2	G	FOL	Light grey, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Weak pervasive bt alt, patchy mod tlc alteration. Common thin planar cb crack seal veinlets; tightly packed @ 276.9m, possible breccia? Mod Brittle fault @ 280.6 m.	Mod HZ @ 280.8 m causing cb flooding. No mineralization. Minor unmineralized 4B @ 285.7 m.LC is sharp.									
	F018352	281	282	0.005																	
	F018353	282	283	0.005																	
	F018354	283	284	0.005																	
	F018355	284	285	0.005																	
285	F018356	285	285.7	0.005																	
	F018357	285.7	286	0.005								4B									
	F018358	286	287	0.043	286	289.2	4B	DG	LA	Dark green/beige, aph, chert-mag BIF (4B) planar/mod distorted alternating laminae, strongly magnetic. Strong gru alteration of magnetite. Mod HZ causing attenuation and ripping apart of laminae, mod isoclinal s-folding.	Minor unmineralized mafic @ 288.4m. Local threaded po min. LC is sharp.									
	F018359	287	288	0.011																	
	F018361	288	288.4	0.005								2									
	F018362	288.4	288.7	0.005																	
	F018363	288.7	289.2	0.005	289.2	298.7	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) weak to mod foliated, non-magnetic. Weak-mod pervasive bt + amp alteration. Crack seal cb veining is a product of brecciation locally. No mineralization. LC is sharp.											
290	F018364	289.2	290	0.005																	
	F018365	290	291	0.005																	
	F018366	291	292	0.005																	
	F018367	292	293	0.005																	
	F018368	293	294	0.005																	
	F018369	294	295	0.005																	
295	F018371	295	296	0.005																	
	F018372	296	297	0.005																	
	F018373	297	298	0.005																	
	F018374	298	298.7	0.005			QTZ			White, fgr, massive crack seal qz-cb vein, non-magnetic. Minor ultramafic(?) xenolith @ 298.8m. Veining seems to be a product of brecciation. No mineralization. LC is sharp.											
	F018375	298.7	299.4	0.005	298.7	299.4	VN	W	MA	Light grey, fgr, ultramafic? (1) massive, non-magnetic. Mod pervasive tlc alt; powdery when scratched. Could be altered mafic from brecciation/fluids. Crack seal qz veining occurs through unit. No mineralization observed. LC is diffuse.											
	F018376	299.4	300.1	0.005	299.4	300.1	1	G	MA												
300	F018377	300.1	301	0.005	300.1	306	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Mod patchy pervasive tlc alt bleeding in from overlying UM? Mod pervasive bt + amp alteration throughout. Common cb crack seal veining occurs throughout;	local wk hematite staining – traces of methane splays. No visible mineralization. LC is sharp.										
	F018378	301	302	0.005																	
	F018379	302	303	0.005																	
	F018381	303	304	0.005																	
	F018382	304	305	0.017																	
305	F018383	305	306	0.018																	
	F018384	306	306.4	0.02																	
	F018385	306.4	306.8	0.027																	
	F018386	306.8	307.6	0.041	306	307.6	4B	DG	DIST	Dark green/beige, aph, chert-mag BIF (4B) planar to mod distorted alternating laminae, strongly magnetic. Unit is moderately sheared causing loss of primary texture locally, minor mafic chunks being pulled into core w/ cgr crystals size.	No veining, 2-6% blebby/dis po mineralization throughout; product of strain. LC is sharp.										
	F018387	307.6	307.9	0.017																	
	F018388	307.9	308.3	0.024	307.6	313	2	G	FOL	Light grey, fgr, mafic metavolcanic (2) wk-mod foliated, non-magnetic. Weak pervasive bt alt. Strong silicification of top 20cm of unit. Mod SZ terminates @ 307.8m hosting ~2% py min. Crack seal white qz veining develops @ 311.8m. No mineralization.										
	F018389	308.3	309	0.01																	
	F018391	309	310	0.005																	
310	F018392	310	311	0.005																	
	F018393	311	312	0.005																	
	F018394	312	313	0.005																	
	F018395	313	313.6	0.005	313	315.8	2	G	DIST	**INTERSTING UNIT** Continuation of previous unit, but here unit is strongly sericitized and methane faulted, causing moderate brecciation, local development of grts and local strong green amphibole alteration. Local hematite staining present. **INTERESTING** Grey/black, Argillite mudstone (6N) strongly distorted and banded, non-magnetic. Unit hosts strong methane fault causing intense sericitization of groundmass, and moderate brecciation showing clasts w/ well preserved	1-8% disseminated and threaded py mineralization associated with methane faulting. LC is diffuse. primary textures. ~10% disseminated and blebby py mineralization hosted in preserved 6N clasts. LC is sharp.										
	F018396	313.6	314	0.005																	
	F018397	314	314.8	0.006																	
	F018398	314.8	315.4	0.111																	
315	F018399	315.4	315.8	0.005																	
	F018401	315.8	316.4	0.012	315.8	317.1	6N	G	DIST	Light grey, fgr, ultramafic ? (1) massive, non-magnetic. Strong pervasive tlc alteration. Unit shows moderate sericitization caused by methane faulting, thin qz crack seal veins/splays are observed shallowly cutting core; weak methane splays	showing local hematite staining. No mineralization. LC is diffuse.										
	F018402	316.4	317.1	0.022																	
	F018403	317.1	318	0.005	317.1	318	1	G	MA												
	F018404	318	319	0.005	318	321	2	GG	MA	Light grey, fgr, mafic metavolcanic ? (2) massive to weakly foliated, non-magnetic. Pervasive tlc alteration drops off, strong sericitization of groundmass seems to be overprinting primary mafic textures. Abundant thin qz crack seal veins locally	showing wk hematite staining, wk methane splays. Local trace py diss. EOH.										
	F018405	319	320	0.005																	
320	F018406	320	321	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018406	320	321	0.005	318	321	2	GG	MA	Light grey, fgr, mafic metavolcanic ? (2) massive to weakly foliated, non-magnetic. Pervasive tlc alteration drops off, strong sericitization of groundmass seems to be overprinting primary mafic textures. Abundant thin qz crack seal veins locally	showing wk hematite staining, wk methane splays. Local trace py diss. EOH.										
325																					
330																					
335																					
340																					
345																					
350																					
355																					
360																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
					0	26	CASING														
15																					
20																					
25																					
					26	27	OVERBURDEN			granite boudlers											
	F019574	27	28	0.017																	
	F019575	28	29	0.006																	
	F019576	29	29.7	0.015	27	31.7		G	FOL	Light grey, fgr, metasediment (6) moderately distorted to well foliated, non-magnetic. Strong to intense sericitization of groundmass. Local weak planar qz-cb veining. Semi-continuous blebby and disseminated po mineralization. LC is sharp.											
30	F019577	29.7	30.7	0.006																	
	F019578	30.7	31.7	0.005																	
	F019579	31.7	32.5	0.007	31.7	33.1	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar thin alternating laminae, locally distorted, strongly magnetic. Local mod HZ causing strong distortion and weak cb alteration. No significant veining or mineralization. LC is sharp.											
	F019581	32.5	33.1	0.009																	
	F019582	33.1	33.9	0.012	33.1	33.9		G	DIST	Light grey, fgr, metasediment (6) moderately distorted to foliated, non-magnetic. Mod sericite alteration of groundmass. Mod HZ causes strong distortion especially adjacent to contacts and causes 4$ blebby po mineralization. LC is sharp.											
	F019583	33.9	34.9	0.005																	
35	F019584	34.9	35.9	0.005																	
	F019585	35.9	36.5	0.005																	
	F019586	36.5	37	0.005																	
	F019587	37	37.3	0.008	33.9	39.8	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) thin alternating planar laminae, strongly magnetic. Local distortion. Common isoclinal z-folding, no significant veining. Local patches of 0.5-0.75% diss/threaded po mineralization controlled by strain.	LC is sharp.										
	F019588	37.3	38	0.017																	
	F019589	38	39	0.005																	
	F019591	39	39.8	0.011																	
	F019592	39.8	40.1	0.01	39.8	40.1	6	G	FOL	Brownish-grey, fgr, metasediment (6) massive to mod foliated (relict bedding?) non-magnetic. Weak planar qz-cb veins present. Strong bt present in groundmass. No visible mineralization. LC is sharp.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019592	39.8	40.1	0.01	39.8	40.1	6	G	FOL	Brownish-grey, fgr, metasediment (6) massive to mod foliated (relict bedding?) non-magnetic. Weak planar qz-cb veins present. Strong bt present in groundmass. No visible mineralization. LC is sharp.											
	F019593	40.1	41	0.012	40.1	41	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) thin planar to locally distorted alternating laminae, strongly magnetic. Moderate distortion adjacent to UC hosting trace po. No significant veining. LC is faulted.	LC is sharp.										
	F019594	41	41.4	0.005	41	41.4	6	G	LA	Brownish-grey, fgr, metasediment (6) moderately foliated (relict bedding?), non-magnetic. Fgr qz sweats adjacent to upper contact. Strong bands of sericite alteration. No mineralization. LC is sharp.											
	F019595	41.4	41.8	0.025	41.4	41.8	4B	DG	LA	Dark green/blue, aph, chert-BIF (4B) thin alternating planar laminae, strongly magnetic. Moderate gru alteration of magnetite. Local planar qz vein. No visible mineralization. LC is sharp.											
	F019596	41.8	42.2	0.037	41.8	42.2	6	G	FOL	Dark brownish-grey, fgr, metasediment (6) well foliated, non-magnetic. Strong presence of bt in groundmass. Abundant qz sweats attenuated along foliation, abundant thin cb veinlets throughout. ~2% contact controlled pyrrhotite mineralization.		2									
	F019597	42.2	43	0.039																	
	F019598	43	44	0.025																	
45	F019599	44	45	0.032																	
	F019601	45	46	0.301																	
	F019602	46	46.3	0.012																	
	F019603	46.3	47.2	0.074																	
	F019604	47.2	48.2	0.094	42.2	53.2	4B	DG	DIST	Dark green/blue/beige, aph, chert-mag BIF (4B) mod to strongly distorted alternating laminae, strongly magnetic. Weak to moderate gru alteration of magnetite. Moderate HZ through unit causing isoclinal and parasitic folding.	White qz vein set seems to be introduced to unit from strain and influencing 2-3% patchy po mineralization. LC is sharp.										
	F019605	48.2	49.2	0.017																	
	F019606	49.2	49.5	0.212																	
50	F019607	49.5	50.5	0.027																	
	F019608	50.5	51.1	0.094																	
	F019609	51.1	52	0.082																	
	F019611	52	52.6	0.045																	
	F019612	52.6	53.2	0.057																	
	F019613	53.2	54.2	0.012	53.2	55.7	2	LG	FOL	Light green, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Mod pervasive bt + aamp alteration, common planar qz-cb veinlets throughout. Mod HZ develops @ 54.8m causing distortion and influencing blebby/threaded po + py	mineralization. LC is sharp.										
	F019614	54.2	55.2	0.009																	
55	F019615	55.2	55.7	0.005																	
	F019616	55.7	56.5	0.02	55.7	56.5	6N	BK	DIST	Black, aph, argillite/mudstone (6N) moderately distorted, non-magnetic. Very hard to scratch, unit is highly strained causing ~8% threaded and blebby py mineralization. Common cb veinlets follow distorted fabric. LC is sharp.											
	F019617	56.5	57.3	0.005	56.5	106.9	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Abundant 5-10 planar qz-cb veinlets throughout unit typically associated w/ mafics. Mod pervasive bt + amp alteration throughout.	Local weak methane fault showing hematite staining with no discernable orientation. No visible mineralization. LC is sharp.										
	F019618	57.3	57.6	0.005																	
	F019619	57.6	58	0.005																	
	F019621	58	59	0.005																	
	F019622	59	60	0.005																	
60	F019623	60	61	0.005																	
	F019624	61	62	0.005																	
	F019625	62	63	0.005																	
	F019626	63	64	0.005																	
	F019627	64	65	0.005																	
65	F019628	65	66	0.005																	
	F019629	66	67	0.005																	
	F019631	67	68	0.005																	
	F019632	68	69	0.005																	
	F019633	69	70	0.018																	
70	F019634	70	71	0.005																	
	F019635	71	72	0.005																	
	F019636	72	73	0.005																	
	F019637	73	74	0.005																	
	F019638	74	75	0.005																	
75	F019639	75	76	0.005																	
	F019641	76	77	0.005																	
	F019642	77	78	0.005																	
	F019643	78	79	0.005																	
	F019644	79	80	0.005																	
	F019645	80	81	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019645	80	81	0.005																	
	F019646	81	82	0.005																	
	F019647	82	83	0.005																	
	F019648	83	84	0.005																	
	F019649	84	85	0.005																	
85	F019651	85	86	0.005																	
	F019652	86	87	0.005																	
	F019653	87	88	0.005																	
	F019654	88	89	0.005																	
	F019655	89	90	0.005																	
90	F019656	90	91	0.005																	
	F019657	91	92	0.005																	
	F019658	92	93	0.005																	
	F019659	93	94	0.005	56.5	106.9	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) mod to well foliated, non-magnetic. Abundant 5-10 planar qz-cb veinlets throughout unit typically associated w/ mafics. Mod pervasive bt + amp alteration throughout.	Local weak methane fault showing hematite staining with no discernable orientation. No visible mineralization. LC is sharp.										
	F019661	94	95	0.005																	
95	F019662	95	96	0.005																	
	F019663	96	97	0.005																	
	F019664	97	98	0.005																	
	F019665	98	99	0.005																	
	F019666	99	100	0.005																	
100	F019667	100	101	0.005																	
	F019668	101	102	0.005																	
	F019669	102	103	0.005																	
	F019671	103	104	0.005																	
	F019672	104	105	0.005						Dark green/blue, aph, chert-mag BIF (4B) moderately distorted alternating laminae, strongly magnetic. Thin mafic bands being pulled into unit due to moderate HZ. Local weak gru alteration of magnetite. Local trace mineralization. LC is sharp.										
105	F019673	105	106	0.005																	
	F019674	106	106.9	0.012						Dark brownish-grey, fgr, metasediment (6) massive to mod distorted, non-magnetic. Thick bands of bt caused by HZ adjacent to contacts, No veining, no visible mineralization. LC is sharp.										
	F019675	106.9	107.4	0.111	106.9	107.4	4B	DG	DIST												
	F019676	107.4	107.8	0.005	107.4	107.8		G	MA	Dark green/blue, aph, chert-mag BIF (4B) moderately distorted alternating laminae, strongly magnetic. Moderate high strain zone throughout ripping apart laminae and causing isoclinal s-folding.										
	F019677	107.8	108.6	0.202							~6% contact controlled po stringers adjacent to upper contact. LC is sharp.										
	F019678	108.6	109.1	0.009	107.8	109.1	4B	DG	DIST	Brownish-grey, fgr, metasediment (6) weakly foliated, non-magnetic. Strong bt presence in groundmass. Fgr and attenuated qz sweats through unit. Unit shows high strain zone with micro-scale parasitic folding. No visible mineralization. LC is sharp.										
	F019679	109.1	109.5	0.046	109.1	109.5		G	DIST												
110	F019681	109.5	110	0.011																	
	F019682	110	111	0.01																	
	F019683	111	112	0.005																	
	F019684	112	113	0.005																	
	F019685	113	114	0.007	109.5	118.5	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) moderately distorted alternating laminae, strongly magnetic. Entire unit contains moderate high strain zone causing moderate isoclinal z-folding. Local weak white qz flooding caused by HZ.	Mod KF showing dextral offset. No visible mineralization. LC is sharp.										
	F019686	114	115	0.005																	
115	F019687	115	116	0.005																	
	F019688	116	117	0.026																	
	F019689	117	118	0.029																	
	F019691	118	118.5	0.008																	
	F019692	118.5	118.8	0.023						Light grey, fgr, metasediment (6) well foliated to strongly distorted, non-magnetic. Mod HZ seems to cause strong to intense sericitization of groundmass throughout entire unit. Minor mafic unit riding upper contact hosting ~1% po.		2								
	F019693	118.8	119.8	0.021	118.5	122.2		G	FOL		~2% po throughout entire unit controlled by strain. LC is sharp.										
	F019694	119.8	120.7	0.028																	

19-GRF-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019694	119.8	120.7	0.028	118.5	122.2		G	FOL	Light grey, fgr, metasediment (6) well foliated to strongly distorted, non-magnetic. Mod HZ seems to cause strong to intense sericitization of groundmass throughout entire unit. Minor mafic unit riding upper contact hosting ~1% po.	~2% po throughout entire unit controlled by strain. LC is sharp.										
	F019695	120.7	121.6	0.018																	
	F019696	121.6	122.2	0.011																	
	F019697	122.2	123	0.005	122.2	128.2	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) well foliated, non-magnetic, Weak to mod pervasive bt + amp alteration. Common planar qz-cb veining typically associated w/ mafics.											
	F019698	123	124	0.006																	
	F019699	124	125	0.005																	
125	F019701	125	126	0.005																	
	F019702	126	127	0.005																	
	F019703	127	127.6	0.005																	
	F019704	127.6	128.2	0.005																	
	F019705	128.2	129	0.005	128.2	151.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated w/ mod pervasive bt and localized bt wisps (gives core local banded appearance). Abundant qz-cb stringers and qz/qz-cb veining. Local fracturing scattered. Locally very weakly magnetic.	Trc scattered Po predominantly assoc w/ veining but also sct in groundmass. Whole unit is most likely a HZ w/ the abundance of qz-cb stringers. Sharp LC. 10% qz-cb stringers and veins.										
	F019706	129	130	0.005																	
130	F019707	130	131	0.005																	
	F019708	131	132	0.005																	
	F019709	132	133	0.005																	
	F019711	133	134	0.006																	
	F019712	134	135	0.005																	
135	F019713	135	136	0.005																	
	F019714	136	137	0.005																	
	F019715	137	138	0.005																	
	F019716	138	139	0.005																	
	F019717	139	140	0.005																	
140	F019718	140	141	0.005																	
	F019719	141	142	0.005																	
	F019721	142	143	0.005																	
	F019722	143	144	0.005																	
	F019723	144	145	0.005																	
145	F019724	145	146	0.005																	
	F019725	146	147	0.005																	
	F019726	147	148	0.005																	
	F019727	148	149	0.009																	
	F019728	149	150	0.007																	
150	F019729	150	151	0.007																	
	F019731	151	151.7	0.005																	
	F019732	151.7	152	0.04	151.7	152	4B	G	BA	Dark grey-purple chert-mag BIF (4B). Aphanitic. Strongly magnetic. Well banded and folded with possible re-folded fold near UC. Up to 5% str-blb to locally semi-massive (bands) Po assoc w/ groundmass and small veinlets. Folded LC. 1-2% qz-cb veinlets.										
	F019733	152	153	0.005	152	162.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Strongly foliated to highly strained. SZ from 157.9-161.5m. Locally weakly magnetic. SZ has increased in abundance and frequency of qz-cb stringers. Abundant bt (perv and wisps). 10% qz-cb strs and veins.	Trc sct Po assoc w/ veining and groundmass. Brittle fracturing at UC. Gradational LC.										
	F019734	153	154	0.009																	
	F019735	154	155	0.005																	
155	F019736	155	156	0.005																	
	F019737	156	157	0.005																	
	F019738	157	158	0.005																	
	F019739	158	159	0.005																	
	F019741	159	160	0.021																	
	F019742	160	161	0.01																	

19-GRF-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019742	160	161	0.01	152	162.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Strongly foliated to highly strained. SZ from 157.9-161.5m. Locally weakly magnetic. SZ has increased in abundance and frequency of qz-cb stringers. Abundant bt (perv and wisps). 10% qz-cb strs and veins.	Trc sct Po assoc w/ veining and groundmass. Brittle fracturing at UC. Gradational LC.										
	F019743	161	162	0.005																	
	F019744	162	162.5	0.005																	
	F019745	162.5	163	0.005	162.5	186	7A	GG	FOL	Dark grey-green gabbro (7A) w/ possible interbedded mafic volc (2). Alternates between being fgr and mgr before becoming consistent mgr around 171m. Abundant bt wisps/bands. Strongly foliated to locally highly strained. 10% qz-cb stringers/veins.	SZ from 166.2-166.4m and HZ from 176.2-182.9m w/ increased qz-cb stringers. Minor meth flt splays between 162-164.3m. Trc sct Po assoc w/ both veining and groundmass. Locally very weakly magnetic. Scattered brittle fracturing. EOH.										
	F019746	163	164	0.005																	
	F019747	164	165	0.006																	
165	F019748	165	166	0.005																	
	F019749	166	167	0.006																	
	F019751	167	168	0.005																	
	F019752	168	169	0.005																	
	F019753	169	170	0.005																	
170	F019754	170	171	0.005																	
	F019755	171	172	0.005																	
	F019756	172	173	0.005																	
	F019757	173	174	0.005																	
	F019758	174	175	0.005																	
175	F019759	175	176	0.005																	
	F019761	176	177	0.005																	
	F019762	177	178	0.005																	
	F019763	178	179	0.005																	
	F019764	179	180	0.005																	
180	F019765	180	181	0.005																	
	F019766	181	182	0.005																	
	F019767	182	183	0.005																	
	F019768	183	184	0.005																	
	F019769	184	185	0.005																	
185	F019771	185	186	0.005																	
190																					
195																					

19-GRF-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	17.4	CASING														
10																					
15																					
	F019772	17.4	18	0.005	17.4	19.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Locally weakly mag. Poss HZ at start of hole (17.4-17.9m) w/ mod wavy cb stringers. Mod fracturing throughout unit. Sharp LC. 3-4% cb stringers present. 1% blb-str Po at LC assoc w/ green altn.										
	F019773	18	19	0.005																	
	F019774	19	19.6	0.007																	
	F019775	19.6	19.9	0.005																	
20	F019776	19.9	20.9	0.026	19.9	21.2	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Strongly magnetic. Aphanitic. Well banded with wispy bands (HZ throughout). Thinly banded. Sharp LC. 1% minor qz-cb veins. Trc lcl Po predominantly assoc w/ chl bands.										
	F019777	20.9	21.2	0.04																	
	F019778	21.2	22	0.005	21.2	25.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Mod bt wisps. Locally weakly magnetic. Mod fracturing along cb infill veinlet. Mod SZ w/ abundant wispy cb stringers. No significant mineralization. Sharp LC.										
	F019779	22	23	0.005																	
	F019781	23	24	0.005																	
	F019782	24	25	0.008																	
25	F019783	25	25.5	0.005																	
	F019784	25.5	26	0.005	25.5	27.4	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Strongly magnetic. Aphanitic. Thinly banded and wispy (HZ from 25.7-27.1m). Locally folded. Wispy bands look like they are being pulled apart. Sharp LC. Trc blb-str Po assoc w/ both minor veining and groundmass.										
	F019785	26	26.9	0.008																	
	F019786	26.9	27.4	0.005																	
	F019787	27.4	28	0.005	27.4	28.6		G	LA	Dark grey-purple metased (6). Fine grained. Thinly laminated. Nonmagnetic. Well foliated. Mod chl bands in poss HZ from 27.5-27.8m. <1% qz-cb veinlets w/ musc altn. Pervasive bt and chl towards LC. Sharp LC.										
	F019788	28	28.6	0.005																	
	F019789	28.6	29.6	0.005	28.6	32	4B	G	BA	Dark grey-beige chert-mag BIF (4B). Aphanitic. Well banded w/ local folding. Sharp LC. No significant veining or mineralization. Strongly magnetic. Folding includes local isoclinal foldes and 'Z' folds. Chert are 0.2-3cm thick.										
30	F019791	29.6	30.5	0.005																	
	F019792	30.5	31	0.005																	
	F019793	31	32	0.005																	
	F019794	32	32.5	0.006	32	32.5		G	LA	Dark grey-purple metased (6). Fine grained. Well laminated and foliated. Minor discontinuous qz-cb veinlets with some vugs. Local chl bands. Nonmagnetic. Sharp LC. No visible mineralization.										
	F019795	32.5	33	0.007	32.5	46.7	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Strongly magnetic. Aphanitic. Multiple chl altered "shear bands" between 35.5-36.4m and 46-46.7m. Well banded w/ alternating areas of mod folded and linear. Multiple sct meth flt splays. Sharp LC.	Tr to 5% Po assoc w/ 2-3% qz-cb veining and groundmass w/ local 10% s-ma Po band at 39m. Up to 5% Po assoc w/ chl altered "shear bands".									
	F019796	33	34	0.138																	
	F019797	34	34.7	0.007																	
	F019798	34.7	35.7	0.007																	
35	F019799	35.7	36.7	3.54																	
	F019801	36.7	37.2	4.93																	
	F019802	37.2	37.6	0.01																	
	F019803	37.6	38.3	0.011																	
	F019804	38.3	39	0.006																	
	F019805	39	39.3	0.005																	
	F019806	39.3	40	0.007																	
	F019807	40	41	0.006																	
				0.005																	

19-GRF-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019807	40	41	0.005	32.5	46.7	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Strongly magnetic. Aphanitic. Multiple chl altered “shear bands” between 35.5-36.4m and 46-46.7m. Well banded w/ alternating areas of mod folded and linear. Multiple sct meth flt splays. Sharp LC.	Tr to 5% Po assoc w/ 2-3% qz-cb veining and groundmass w/ local 10% s-ma Po band at 39m. Up to 5% Po assoc w/ chl altered “shear bands”.									
	F019808	41	42	0.104																	
	F019809	42	43	0.007																	
	F019811	43	44	0.012																	
	F019812	44	44.6	0.009																	
45	F019813	44.6	45.3	0.005																	
	F019814	45.3	45.9	0.005																	
	F019815	45.9	46.3	0.012																	
	F019816	46.3	46.7	0.041																	
	F019817	46.7	47	0.006	46.7	68	2	GG	FOL	Dark grey-green mafic volc (2). Fg. Well fol. Brittle faulting/fracturing between 50-53m (shallow TCA). HZ between 55.7-67.4m characterized by str fol, increased bt, and abund cb stringers. Along w/ cb stringers, there is 5-7% qz-cb veins and veinlets.	Tr-1% Po assoc w veining and groundmass. Fabric is locally wavy. Sct wk meth flt splays present at 58m and 65.3m. Weakly magnetic.									
	F019818	47	47.7	0.005																	
	F019819	47.7	48	0.005																	
	F019821	48	49	0.008																	
50	F019822	49	50	0.01																	
	F019823	50	50.7	0.007																	
	F019824	50.7	51.1	0.006																	
	F019825	51.1	52.1	0.005																	
	F019826	52.1	53	0.007																	
	F019827	53	54	0.005																	
	F019828	54	54.5	0.006																	
55	F019829	54.5	55.5	0.007																	
	F019831	55.5	56.5	0.008																	
	F019832	56.5	57.2	0.006																	
	F019833	57.2	58	0.008																	
	F019834	58	58.5	0.029																	
	F019835	58.5	59.1	0.007																	
60	F019836	59.1	60	0.007																	
	F019837	60	61	0.009																	
	F019838	61	62	0.007																	
	F019839	62	63	0.005																	
	F019841	63	64	0.005																	
	F019842	64	65	0.005																	
65	F019843	65	66	0.005																	
	F019844	66	66.6	0.005																	
	F019845	66.6	67.1	0.005																	
	F019846	67.1	68	0.005																	
	F019847	68	68.8	0.009	68	68.8	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Thinly banded and w lcl very minor folds. Sharp LC. 2-3% qz-cb veining w up to 2% Po assoc w both veining and groundmass. Dark green amp (or pyroxene?) at UC and LC.										
	F019848	68.8	69.4	0.015	68.8	102	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well fol. Very weakly magnetic. Abund wispy bt alternating w patches of decreased bt content. Sct weak meth flt splays (both cohesive and fractured). Local wk folding in host rock (75.5m) and in vn (77.8m).	3-5% qz-cb veining w/ lcl ser halos. Tr Po in veining and litho. HZ from 84.6-94.3m w distorted fabric, increased bt and abundant cb stringers. Mod BR fracturing from 100.7-101.6m w fractures being in various directions. EOH.									
	F019849	69.4	70	0.005																	
70	F019851	70	71	0.005																	
	F019852	71	72	0.005																	
	F019853	72	73	0.005																	
	F019854	73	74	0.005																	
	F019855	74	74.6	0.005																	
75	F019856	74.6	75.2	0.005																	
	F019857	75.2	76	0.005																	
	F019858	76	77	0.005																	
	F019859	77	78	0.005																	
	F019861	78	79	0.005																	
	F019862	79	79.5	0.005																	
	F019863	79.5	80.5	0.005																	

19-GRF-003

Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F019863	79.5	80.5	0.005	68.8	102	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well fol. Very weakly magnetic. Abund wispy bt alternating w patches of decreased bt content. Sct weak meth flt splays (both cohesive and fractured). Local wk folding in host rock (75.5m) and in vn (77.8m).	3-5% qz-cb veining w/ lcl ser halos. Tr Po in veining and litho. HZ from 84.6-94.3m w distorted fabric, increased bt and abundant cb stringers. Mod BR fracturing from 100.7-101.6m w fractures being in various directions. EOH.										
F019864	80.5	81	0.005																	
F019865	81	82	0.005																	
F019866	82	83	0.005																	
F019867	83	84	0.005																	
F019868	84	85	0.005																	
F019869	85	86	0.005																	
F019871	86	87	0.005																	
F019872	87	88	0.005																	
F019873	88	89	0.005																	
F019874	89	90	0.005																	
F019875	90	91	0.005																	
F019876	91	92	0.005																	
F019877	92	92.5	0.005																	
F019878	92.5	93.1	0.005																	
F019879	93.1	93.5	0.005																	
F019881	93.5	94.3	0.005																	
F019882	94.3	95	0.005																	
F019883	95	96	0.005																	
F019884	96	96.4	0.005																	
F019885	96.4	97.3	0.005																	
F019886	97.3	98.1	0.005																	
F019887	98.1	98.5	0.005																	
F019888	98.5	99.5	0.005																	
F019889	99.5	100.4	0.005																	
F019891	100.4	101	0.005																	
F019892	101	102	0.005																	

Depth: 85, 90, 95, 100, 105, 110, 115

19-GRF-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
					0	27	CASING			hole cancelled because of overburden thickness and composition; kept losing return flow and breaking casing; on attempt to go back down and re-attach to casing hole rode on top of old casing from 15m to 33m;	second interval of 15m-33m was accounted for as 19-GRF-005; EOH										
15																					
20																					
25																					
30																					
35																					

19-GRF-005

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	15				no core as top of hole was top of 19-GRF-004 before they lost original casing and drilled above it											
10																					
15					15	33	CASING			hole cancelled because of overburden thickness and composition; kept losing return flow and breaking casing; on attempt to go back down and re-attach to casing hole rode on top of old casing from 15m to 33m;	second interval of 15m-33m was accounted for as 19-GRF-005										
20																					
25																					
30																					
35																					

19-GRF-006

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10					0	20.9	CASING														
15																					
20																					
	F023872	20.9	21.9	0.005	20.9	32.5	1	G	FOL	Light grey, fg, ultramafic (1) weakly foliated, moderately magnetic. Intense pervasive tlc + srp alteration causing soapy texture and soft rock. No veining or mineralization. LC is sharp.											
	F023873	21.9	22.9	0.009																	
	F023874	22.9	23.9	0.007																	
	F023875	23.9	24.4	0.005																	
25	F023876	24.4	25	0.005																	
	F023877	25	26	0.005																	
	F023878	26	27	0.005																	
	F023879	27	28	0.005																	
	F023881	28	29	0.005																	
	F023882	29	30	0.005																	
30	F023883	30	31	0.008																	
	F023884	31	32	0.005																	
	F023885	32	32.5	0.005																	
	F023886	32.5	33	0.005	32.5	52.2	2	LG	DIST	Light green, fg, mafic metavolcanic (2) Moderately distorted to massive, non-magnetic. Wk-mod pervasive bt + amp alteration; locally mottled from 41-44m. Common irregular qz-cb veining typically associated with mafics. Local 3% blebby po + 1% py.	LC is diffuse.										
	F023887	33	34	0.006																	
	F023888	34	35	0.006																	
35	F023889	35	36	0.01																	
	F023891	36	37	0.02																	
	F023892	37	38	0.015																	
	F023893	38	39	0.006																	
	F023894	39	40	0.007																	
	F023895	40	41	0.008																	

19-GRF-006

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023895	40	41	0.008	32.5	52.2	2	LG	DIST	Light green, fg, mafic metavolcanic (2) Moderately distorted to massive, non-magnetic. Wk-mod pervasive bt + amp alteration; locally mottled from 41-44m. Common irregular qz-cb veining typically associated with mafics. Local 3% blebby po + 1% py.	LC is diffuse.										
	F023896	41	42	0.006																	
	F023897	42	42.5	0.006																	
	F023898	42.5	43.1	0.015																	
	F023899	43.1	43.6	0.045																	
	F023901	43.6	44	0.03																	
	F023902	44	45	0.008																	
45	F023903	45	46	0.006																	
	F023904	46	47	0.011																	
	F023905	47	48	0.022																	
	F023906	48	49	0.022																	
	F023907	49	50	0.006																	
50	F023908	50	51	0.006																	
	F023909	51	51.6	0.005																	
	F023911	51.6	52.2	0.009																	
	F023912	52.2	53	0.01	52.2	56.5	1	G	MA	Light grey, fg, ultramafic (1) massive, mod magnetic. Strong pervasive tlc + srp alteration. The unit Moderate to strong brittle faulting from 55.1-56.4 m. No veining or mineralization. LC is sharp.											
	F023913	53	54	0.008																	
	F023914	54	55	0.006																	
55	F023915	55	56	0.007																	
	F023916	56	56.5	0.009																	
	F023917	56.5	57.2	0.02	56.5	57.2	2	DG	FOL	Dark green, fg, mafic metavolcanic (2) moderately foliated, non-magnetic. Wk pervasive bt, mod amp alt. No veining or mineralization. LC is sharp.											
	F023918	57.2	58.2	0.009	57.2	58.2	1	G	MA	Light grey, fg, ultramafic (1) massive, mod magnetic. Strong pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. Local brittle fault from 57.4-57.7 m. No veining or mineralization. LC is diffuse.											
	F023919	58.2	59	0.008	58.2	59.6	2	GG	MA	Light greenish-grey, fg, mafic metavolcanic (2) massive to mod distorted, non-magnetic. Moderate brittle faulting from 58.9m through LC causing wispy bt alteration. No veining or mineralization present. LC is faulted.											
	F023921	59	59.6	0.005																	
60	F023922	59.6	60	0.006																	
	F023923	60	61	0.005	59.6	69.7	1	G	FOL	Light grey, fg, ultramafic (1) massive to weakly foliated, moderately magnetic. Strong to intense pervasive tlc + srp alteration. Foliation becomes shallow moving downhole. Local weak cb crack seal veining. No mineralization. LC is diffuse.											
	F023924	61	62	0.006																	
	F023925	62	63	0.006																	
	F023926	63	64	0.005																	
	F023927	64	65	0.007																	
65	F023928	65	66	0.01																	
	F023929	66	67	0.006																	
	F023931	67	68	0.007																	
	F023932	68	69	0.007																	
	F023933	69	69.7	0.006																	
70	F023934	69.7	70.7	0.008	69.7	71.1	2	DG	MA	Dark green, fg, mafic metavolcanic? (2) massive to weakly foliated, mod-str magnetic. Strong green amphibole abundance in groundmass. Hard to scratch, fg cb disseminated throughout. No veining or mineralization. LC is sharp.											
	F023935	70.7	71.1	0.005																	
	F023936	71.1	71.7	0.006	71.1	72.3	2	DG	MA	Dark green, fg, mafic metavolcanic (2) massive to weakly foliated, not as dark as previous unit, non-magnetic. Local wk pervasive bt, no veining or mineralization. LC is faulted.											
	F023937	71.7	72.3	0.006																	
	F023938	72.3	73	0.005	72.3	78.7	1	G	DIST	Light grey, fg, ultramafic (1) mod distorted to massive, mod magnetic. Strong pervasive tlc + srp alteration causing soapy texture. Patchy HZ's throughout cause weak thin cb tension gashes and wispy bt. No mineralization.	LC is diffuse and marked where magnetism ends.										
	F023939	73	74	0.005																	
	F023941	74	75	0.009																	
75	F023942	75	76	0.007																	
	F023943	76	77	0.005																	
	F023944	77	78	0.008																	
	F023945	78	78.7	0.007																	
	F023946	78.7	79.4	0.009																	
	F023947	79.4	80	0.007	78.7	83.5	2	DG	DIST	Dark green, fg, mafic metavolcanic (2) mod distorted, non-magnetic. Wk pervasive bt, str green amp through groundmass. Mod HZ throughout causing abundant thin cb tension gashes/microfractures. Moderate brittle faulting is observed as well.	No mineralization. LC is sharp.										
	F023948	80	81	0.008																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023948	80	81	0.008	78.7	83.5	2	DG	DIST	Dark green, fg, mafic metavolcanic (2) mod distorted, non-magnetic. Wk pervasive bt, str green amp through groundmass. Mod HZ throughout causing abundant thin cb tension gashes/microfractures. Moderate brittle faulting is observed as well.	No mineralization. LC is sharp.										
	F023949	81	82	0.008																	
	F023951	82	83	0.006																	
	F023952	83	83.5	0.005																	
					83.5	84.6	MIS			faulting											
	F023953	84.6	85	0.011			G														
85	F023954	85	86	0.013	84.6	87	1	GG	MA	Light greenish-grey, fg, ultramafic (1) massive, non-magnetic. Moderate pervasive tlc alteration causing soapy texture and soft rock to scratch. Local wk cb tension gashes. No mineralization. LC is sharp.											
	F023955	86	87	0.016																	
	F023956	87	88	0.005	87	130.9	2	GG	DIST	Greenish-grey, fg, mafic metavolcanic (2) mod distorted to foliated, non-magnetic. Mod wispy and patchy bt alteration. Patchy HZ's are present causing strong abundances of bt alteration and abundant qz-cb tension gashes, local strong qz flooding.	Abundant weak methane splays showing mod sericite alt and hematite staining. No mineralization. LC is sharp.										
	F023957	88	89	0.005																	
	F023958	89	90	0.005																	
90	F023959	90	91	0.005																	
	F023961	91	92	0.005																	
	F023962	92	93	0.005																	
	F023963	93	94	0.005																	
	F023964	94	95	0.005																	
95	F023965	95	96	0.005																	
	F023966	96	97	0.005																	
	F023967	97	98	0.005																	
	F023968	98	99	0.005																	
	F023969	99	100	0.006																	
100	F023971	100	101	0.007																	
	F023972	101	101.7	0.005																	
	F023973	101.7	102	0.011																	
	F023974	102	103	0.005																	
	F023975	103	104	0.005																	
	F023976	104	105	0.005																	
105	F023977	105	106	0.005																	
	F023978	106	107	0.005																	
	F023979	107	108	0.005																	
	F023981	108	109	0.005																	
	F023982	109	110	0.005																	
110	F023983	110	111	0.005																	
	F023984	111	112	0.005																	
	F023985	112	113	0.005																	
	F023986	113	114	0.005																	
	F023987	114	115	0.007																	
115	F023988	115	116	0.005																	
	F023989	116	116.7	0.006																	
	F023991	116.7	117	0.006								4B									
	F023992	117	118	0.006																	
	F023993	118	119	0.005																	
	F023994	119	120	0.007																	
	F023995	120	121	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023995	120	121	0.005																	
	F023996	121	122	0.005																	
	F023997	122	123	0.005																	
	F023998	123	124	0.005																	
	F023999	124	125	0.005																	
125	F024001	125	126	0.005	87	130.9	2	GG	DIST	Greenish-grey, fg, mafic metavolcanic (2) mod distorted to foliated, non-magnetic. Mod wispy and patchy bt alteration. Patchy HZ's are present causing strong abundances of bt alteration and abundant qz-cb tension gashes, local strong qz flooding.	Abundant weak methane splays showing mod sericite alt and hematite staining. No mineralization. LC is sharp.										
	F024002	126	127	0.005																	
	F024003	127	128	0.005																	
	F024004	128	129	0.005																	
	F024005	129	130	0.006																	
130	F024006	130	130.9	0.007						Dark green/blue/beige, aph, chert-mag BIF (4B) mod-str distorted alternating bands, strongly magnetic. Moderate gru alteration on margins of mag bands. Unit is moderately strained causing local weak mafic chunks being pulled into units.											
	F024007	130.9	131.4	0.078	130.9	131.4	4B	DG	DIST		Weak KF's in unit. No mineralization. LC is sharp and irregular.										
	F024008	131.4	132.1	0.008	131.4	132.1		B	FOL	Greyish-brown, fg, metasediment (2) well foliated, non-magnetic. Strong pervasive bt alteration. Local wk po dissemination, no veining. LC is sharp.											
	F024009	132.1	133.1	0.04	132.1	133.1	6N	BK	DIST	Black, aph, argillite/mudstone (6N) strongly distorted bedding, non-magnetic. Unit is being distorted by mod HZ controlling ~12% threaded and wispy po mineralization and 2% py. No veining, local folding. LC is sharp.											
	F024011	133.1	133.5	0.009	133.1	133.5		B	FOL												
	F024012	133.5	134	0.005						Greyish-brown, fg, metasediment (6) well foliated, non-magnetic. Strong bt abundance in groundmass. Local qz vein, no mineralization. LC is sharp.											
	F024013	134	135	0.005																	
135	F024014	135	136	0.005																	
	F024015	136	137	0.005																	
	F024016	137	138	0.011																	
	F024017	138	139	0.005																	
	F024018	139	140	0.005																	
140	F024019	140	141	0.005	133.5	148.4	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) wk-mod foliated, non-magnetic. Wk to mod patches of tlc alteration, moderate bt + amp alteration. Mod HZ develops @ 148.1m causing strong wispy bt and carries through LC.	Local qz-cb vein set, no visible mineralization. LC is sharp.										
	F024021	141	142	0.005																	
	F024022	142	143	0.005																	
	F024023	143	144	0.005																	
	F024024	144	145	0.005																	
145	F024025	145	146	0.006																	
	F024026	146	147	0.009																	
	F024027	147	147.5	0.008																	
	F024028	147.5	148.1	0.007																	
	F024029	148.1	148.4	0.008																	
	F024031	148.4	148.9	0.011	148.4	148.9	6N	BK	DIST	Black, aph, argillite/mudstone (6N) strongly distorted, non-magnetic. Entire unit is mod-str strained controlling ~15% wispy and threaded po mineralization. Mod breccia @ 148.8m showing sub-rounded qz clasts. LC is sharp and irregular.											
	F024032	148.9	149.9	0.01	148.9	150.7	3F	G	DIST	Grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Local wisps of bt. Unit shows strong HZ causing mod-str qz flooding and controlling ~8% threaded and blebby po mineralization. LC is sharp.											
150	F024033	149.9	150.7	0.02																	
	F024034	150.7	151.2	0.007	150.7	151.2	6N	BK	DIST	Black, aph, argillite/mudstone (6N) strongly distorted, non-magnetic. Unit shows strong High strain zone causing local weak cb tension gashes, local grt development, increased adjacent to contacts. ~6% threaded and blebby po mineralization. LC is sharp.											
	F024035	151.2	152	0.005																	
	F024036	152	153	0.005																	
	F024037	153	154	0.005																	
	F024038	154	155	0.005																	
155	F024039	155	156	0.005	151.2	199	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic (magsus: 0.01-0.1 SI). Entire unit shows moderate high strain zone causing strong to intense sericitization and phlogopite throughout the groundmass. Abundant wk-mod methane faults	and splays throughout unit x-cutting fabric, showing intense sericite halos and mod-str hematite staining. Common planar white qz veining throughout. No visible mineralization. LC is sharp.										
	F024041	156	157	0.005																	
	F024042	157	158	0.005																	
	F024043	158	159	0.005																	
	F024044	159	160	0.005																	
	F024045	160	161	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024045	160	161	0.005																	
	F024046	161	162	0.005																	
	F024047	162	163	0.015																	
	F024048	163	164	0.005																	
	F024049	164	165	0.005																	
165	F024051	165	166	0.007																	
	F024052	166	167	0.005																	
	F024053	167	168	0.005																	
	F024054	168	169	0.005																	
	F024055	169	170	0.005																	
170	F024056	170	171	0.005																	
	F024057	171	172	0.009																	
	F024058	172	173	0.008																	
	F024059	173	174	0.007																	
	F024061	174	175	0.005																	
175	F024062	175	176	0.008																	
	F024063	176	177	0.008																	
	F024064	177	178	0.009																	
	F024065	178	179	0.031																	
	F024066	179	180	0.028	151.2	199	**3F**	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic (magsus: 0.01-0.1 SI). Entire unit shows moderate high strain zone causing strong to intense sericitization and phlogopite throughout the groundmass. Abundant wk-mod methane faults	and splays throughout unit x-cutting fabric, showing intense sericite halos and mod-str hematite staining. Common planar white qz veining throughout. No visible mineralization. LC is sharp.										
180	F024067	180	181	0.005																	
	F024068	181	182	0.005																	
	F024069	182	183	0.005																	
	F024071	183	184	0.006																	
	F024072	184	185	0.009																	
185	F024073	185	186	0.009																	
	F024074	186	187	0.01																	
	F024075	187	188	0.009																	
	F024076	188	189	0.008																	
	F024077	189	190	0.006																	
190	F024078	190	191	0.005																	
	F024079	191	192	0.005																	
	F024081	192	193	0.007																	
	F024082	193	194	0.006																	
	F024083	194	195	0.005																	
195	F024084	195	196	0.013																	
	F024085	196	197	0.005																	
	F024086	197	198	0.006																	
	F024087	198	199	0.005						Black, mg-cg, lamprophyre dyke (13) massive, non-magnetic. Moderate pervasive cb alteration. No veining or mineralization. LC is sharp.										
	F024088	199	199.7	0.005	199	199.7	**13**	BK	MA	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong pervasive sericite alteration and phlogopite through groundmass. Local weak qz veining, local trace threaded po min. LC is gradational.										
	F024089	199.7	200.4	0.005	199.7	203.4	**3F**	G	FOL												

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024089	199.7	200.4	0.005																	
	F024091	200.4	201.4	0.006																	
	F024092	201.4	202.4	0.006	199.7	203.4	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong pervasive sericite alteration and phlogopite through groundmass. Local weak qz veining, local trace threaded po min. LC is gradational.											
	F024093	202.4	203.4	0.006																	
	F024094	203.4	204.3	0.007																	
	F024095	204.3	205.1	0.005																	
205	F024096	205.1	206	0.007	203.4	207.5		B	DIST	Brown, fg, metasediment (6) well foliated and moderate distorted, non-magnetic. Moderate SZ from UC-206.2m causing str wispy bt alteration and abundant boudinaged qz throughout. Local 0.5% disseminated po min. LC is sharp.											
	F024097	206	207	0.005																	
	F024098	207	207.5	0.005																	
	F024099	207.5	207.8	0.005	207.5	207.8	2	LG	MA	Light green, fg, mafic metavolcanic (2) massive, non-magnetic. Wk pervasive bt + amp alteration, weak crack seal qz veining. No mineralization. LC is sharp and irregular.											
	F024101	207.8	208.8	0.005																	
	F024102	208.8	209.8	0.005	207.8	211		B	DIST	Light greyish-brown, fg, metasediment (6) mod foliated and mod distorted, non-magnetic. Unit is distorted from moderate high strain zone causing moderate wispy bt alteration and rounded boudinaged qz veining.	1% disseminated contact controlled po mineralization. LC is sharp and irregular.										
210	F024103	209.8	210.7	0.005																	
	F024104	210.7	211	0.013																	
	F024105	211	211.3	0.005																	
	F024106	211.3	212	0.015																	
	F024107	212	213	0.005																	
	F024108	213	214	0.005																	
	F024109	214	215	0.005																	
215	F024111	215	216	3.02																	
	F024112	216	217	0.005	211	222	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) weakly foliated, non-magnetic. Wk pervasive bt alteration and green amp alt. Common planar qz-cb veining typically associated w/ mafics.	Contact controlled 1% disseminated po mineralization adjacent to UC. LC is sharp.										
	F024113	217	218	0.005																	
	F024114	218	219	0.005																	
	F024115	219	220	0.005																	
220	F024116	220	221	0.005																	
	F024117	221	222	0.005																	
	F024118	222	222.5	0.013	222	222.5	4B	LG	LA	Light green, aph, chert-mag BIF (4B) planar to distorted alternating laminae, strongly magnetic. Wk to mod gru alteration of magnetite. Local 1cm band of metasediment. No veining or mineralization. LC is sharp.											
	F024119	222.5	223.3	0.005	222.5	223.3		B	FOL	Brown, fg, metasediment (6) well foliated, non-magnetic. Strong abundance of bt in groundmass, common thin fg qz sweats throughout. Unit is showing high strain zone. No mineralization. LC is sharp.											
	F024121	223.3	224.3	0.005																	
	F024122	224.3	225	0.005	223.3	225	2	GG	FOL	Greenish-grey, fgr, mafic metavolcanic (2) weakly foliated, non-magnetic. Thin cb microfractures of x-cutting fabric. No mineralization. LC is sharp.											
225	F024123	225	225.4	0.016																	
	F024124	225.4	225.7	0.013	225	225.7	6N	BK	FOL	Black, aph, argillite/mudstone (6N) massive to mod distorted relict bedding, non-magnetic. Hard groundmass, amphibole banding adjacent to LC. Weak thin cb crack seal veins observed throughout. ~6% dis/threaded po mineralization. LC is sharp.		3F									
	F024125	225.7	226	0.005																	
	F024126	226	227	0.005																	
	F024127	227	228	0.005																	
	F024128	228	229	0.005																	
	F024129	229	230	0.005																	
230	F024131	230	231	0.005	225.7	236.2	2	G	FOL	Light grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk to absent of bt alteration, common to abundant planar qz-cb veining throughout, locally distorted with s-folding, no mineralization.	Minor unmineralized 3F and weakly py mineralized 6 from UC0-225.9m, 236.1m-LC respectively. LC is sharp.										
	F024132	231	232	0.018																	
	F024133	232	233	0.005																	
	F024134	233	234	0.006																	
	F024135	234	235	0.005																	
235	F024136	235	235.9	0.055																	
	F024137	235.9	236.2	0.059																	
	F024138	236.2	236.9	0.005	236.2	236.9	QTZ-VN	W	DIST	White/beige, fg, massive qz-cb vein, mod gru alteration of vein and no mineralization. Local s-folding with minor fgr-cgr metasediment xenoliths. No mineralization. LC is faulted.		6									
	F024139	236.9	237.4	0.007																	
	F024141	237.4	238	0.04																	
	F024142	238	239	0.021	236.9	246.5	6W	G	POR BL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Patchy HZ's showing str bt alteration. Weak methane splays x-cutting fabric.	No mineralization. LC is sharp.										
	F024143	239	240	0.011																	
240	F024144	240	241	0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024144	240	241	0.006	236.9	246.5	6W	G	POR BL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Patchy HZ's showing str bt alteration. Weak methane splays x-cutting fabric.	No mineralization. LC is sharp.										
	F024145	241	242	0.028																	
	F024146	242	243	0.005																	
	F024147	243	244	0.005																	
	F024148	244	245	0.005																	
245	F024149	245	246	0.06																	
	F024151	246	246.5	0.005																	
	F024152	246.5	247.5	0.005	246.5	247.5	1	GG	DIST	Light greenish-grey, fg, ultramafic (1) moderately distorted, non-magnetic. Intense tlc + srp alteration throughout causing very soft rock to scratch. HZ causes irregular 6W clasts throughout unit showing 3% int py min and then seeming to be dis	throughout groundmass. LC is sharp.										
	F024153	247.5	248.5	0.011	247.5	255.9	6W	G	POR BL	Light grey, fg, grt-bearing metasediment (6W) mod foliated, fg-cg anhedral porph grts wk-mod attenuated along foliation. Local mod planar ser bands throughout, patchy tlc alteration. Minor UM units @ 249, 250.5m. No mineralization. LC is gradational.		1									
	F024154	248.5	249	0.006																	
	F024155	249	249.3	0.005																	
250	F024156	249.3	250	0.006																	
	F024157	250	250.4	0.006								1									
	F024158	250.4	250.7	0.005																	
	F024159	250.7	251.6	0.005																	
	F024161	251.6	252.5	0.006																	
	F024162	252.5	253.4	0.005																	
	F024163	253.4	254.3	0.029																	
	F024164	254.3	255.2	0.006																	
255	F024165	255.2	255.9	0.016																	
	F024166	255.9	256.5	0.005	255.9	259.2		G	FOL	Grey, fg, metasediment (6) wk-mod foliated, non-magnetic. Mod planar sericite bands throughout increasing in intensity grading downhole. Local weak methane splays. Local trace py disseminations. LC is gradational.											
	F024167	256.5	257.4	0.009																	
	F024168	257.4	258.3	0.005																	
	F024169	258.3	259.2	0.005																	
	F024171	259.2	260	0.009	259.2	270.3	6W	G	BA	Light grey/pink, fg, grt-bearing metasediments (6W) mod foliated, fg-cg porph grts weakly attenuated along foliation, non-magnetic. Moderate bt-rich banding alternating with sericite bands. Mod methane faulting present locally. No mineralization.	LC is gradational and marked where grts terminate.										
260	F024172	260	261	0.006																	
	F024173	261	262	0.005																	
	F024174	262	263	0.012																	
	F024175	263	264	0.006																	
	F024176	264	265	0.005																	
265	F024177	265	266	0.005																	
	F024178	266	267	0.005																	
	F024179	267	268	0.006																	
	F024181	268	269	0.019																	
	F024182	269	269.6	0.013																	
270	F024183	269.6	270.3	0.006																	
	F024184	270.3	271	0.005	270.3	284.9		G	DIST	Light grey, fg, metasediment (6) mod distorted to foliated, non-magnetic. Mod pervasive phlogopite alteration, Moderate planar sericite banding occurs throughout, Common planar qz-cb veining. No mineralization. LC is sharp.											
	F024185	271	272	0.005																	
	F024186	272	273	0.005																	
	F024187	273	274	0.005																	
	F024188	274	275	0.005																	
275	F024189	275	276	0.005																	
	F024191	276	277	0.009																	
	F024192	277	278	0.005																	
	F024193	278	279	0.009																	
	F024194	279	280	0.009																	
280	F024195	280	281	0.005																	

19-GRF-006

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024195	280	281	0.005	270.3	284.9		G	DIST	Light grey, fg, metasediment (6) mod distorted to foliated, non-magnetic. Mod pervasive phlogopite alteration, Moderate planar sericite banding occurs throughout, Common planar qz-cb veining. No mineralization. LC is sharp.											
	F024196	281	282	0.005																	
	F024197	282	283	0.005																	
	F024198	283	284	0.005																	
	F024199	284	284.9	0.005																	
285	F024201	284.9	285.6	0.005	284.9	285.6	1	GG	DIST	Light greenish-grey, fg, ultramafic (1) moderately distorted, non-magnetic. Intense pervasive tlc + srp alteration causing very soft rock to scratch. Local wk qz veining. Trace py mineralization. LC is sharp.											
	F024202	285.6	286.5	0.005	285.6	289.5		G	FOL	Light grey, fg, metasediment (6) well foliated, non-magnetic. Mod pervasive bt+amp alteration, no veining or mineralization. LC is gradational.											
	F024203	286.5	287.5	0.005																	
	F024204	287.5	288.5	0.006																	
	F024205	288.5	289.5	0.005																	
290	F024206	289.5	290.1	0.005	289.5	292.1	3F	G	BA	Light grey, fg, felsic lapilli tuff (3F) well foliated/banded, non-magnetic. Local unaltered sections show fg feldspathic lapilli. Common planar sericite bands. Mod Breccia with angular breccia clasts and healed w/ epidote? From 291.5-291.7.	No mineralization. LC is gradational.										
	F024207	290.1	291.1	0.005																	
	F024208	291.1	292.1	0.005																	
	F024209	292.1	293	0.005	292.1	313.4		G	FOL	Light grey, fg, metasediment (6) well foliated, non-magnetic. Moderate breccias from 293.7-294.2, 298.3-298.6, showing cb healing and vfg consolidated fault gouge, respectively. Local methane faulting causing strong sericite + hematite staining.	Local unmineralized white qz vein set. No mineralization. LC is sharp.										
	F024211	293	294	0.005																	
	F024212	294	295	0.005																	
295	F024213	295	296	0.005																	
	F024214	296	297	0.005																	
	F024215	297	298	0.005																	
	F024216	298	299	0.005																	
	F024217	299	300	0.005																	
300	F024218	300	301	0.005																	
	F024219	301	302	0.005																	
	F024221	302	303	0.005																	
	F024222	303	304	0.005																	
	F024223	304	305	0.005																	
305	F024224	305	306	0.005																	
	F024225	306	307	0.007																	
	F024226	307	308	0.007																	
	F024227	308	309	0.005																	
	F024228	309	310	0.007																	
310	F024229	310	311	0.007																	
	F024231	311	312	0.008																	
	F024232	312	313	0.01																	
	F024233	313	313.4	0.007																	
	F024234	313.4	313.7	0.009	313.4	313.7	1	G	DIST	Light grey, fg, ultramafic (1) moderately distorted, non-magnetic. Intense pervasive tlc + srp alteration causing soft rock to scratch. No veining or mineralization. LC is sharp.											
	F024235	313.7	314.4	0.022	313.7	315.9	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) mod foliated to massive, non-magnetic. Moderate pervasive sericite alteration. No significant veining or visible mineralization. LC is sharp.											
	F024236	314.4	315	0.009																	
315	F024237	315	315.9	0.006																	
	F024238	315.9	316.5	0.008	315.9	316.5	QTZ VN	W	MA	White, fg, massive qz veins, non-magnetic. Irregular and attenuated metasediment xenoliths present. No mineralization. LC is sharp.											
	F024239	316.5	317	0.006	316.5	322.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Patches of moderate tlc alteration bleeding into unit from underlying UM. Patches of strong banded sericite alteration. No mineralization. LC is sharp.											
	F024241	317	318	0.009																	
	F024242	318	319	0.009																	
	F024243	319	320	0.009																	
320	F024244	320	321	0.008																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024244	320	321	0.008	316.5	322.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Patches of moderate tlc alteration bleeding into unit from underlying UM. Patches of strong banded sericite alteration. No mineralization. LC is sharp.											
	F024245	321	321.8	0.009																	
	F024246	321.8	322.3	0.009																	
	F024247	322.3	323.2	0.007	322.3	325.2	1	G	DIST	Light grey, fg, ultramafic (1) foliated to distorted, non-magnetic. Intense pervasive tlc + srp alteration throughout causing soft rock to scratch, local minor lesser altered patches. Unit shows HZ causing distortion and z-folding. No mineralization.	LC is sharp.										
	F024248	323.2	324.2	0.006																	
	F024249	324.2	325.2	0.008																	
325	F024251	325.2	326	0.011	325.2	326.5		G	FOL	Light grey, fg, metasediment (6) well foliated, non-magnetic. Wk pervasive bt alteration. No significant veining. No mineralization. LC is sharp.											
	F024252	326	326.5	0.012																	
	F024253	326.5	327	0.007	326.5	426.8	3	G	FOL	Not a typical mine rock. Light grey, fg, felsic volcanics? (3) moderately foliated, non-magnetic. Felsic groundmass with wk-mod pervasive bt and strong feldspathic flooding. Local cg muscovite books. Abundant weak methane fault splays x-cutting	foliation. Common white qz tension gashes. Trace disseminated to blebby py mineralization. LC is sharp.										
	F024254	327	328	0.006																	
	F024255	328	329	0.005																	
	F024256	329	330	0.005																	
330	F024257	330	331	0.009																	
	F024258	331	332	0.008																	
	F024259	332	333	0.022																	
	F024261	333	334	0.038																	
	F024262	334	335	0.014																	
335	F024263	335	336	0.007																	
	F024264	336	337	0.006																	
	F024265	337	338	0.021																	
	F024266	338	339	0.012																	
	F024267	339	340	0.015																	
340	F024268	340	341	0.023																	
	F024269	341	342	0.02																	
	F024271	342	343	0.01																	
	F024272	343	344	0.007																	
	F024273	344	345	0.005																	
345	F024274	345	346	0.009																	
	F024275	346	347	0.019																	
	F024276	347	348	0.032																	
	F024277	348	349	0.01																	
	F024278	349	350	0.009																	
350	F024279	350	351	0.012																	
	F024281	351	352	0.005																	
	F024282	352	353	0.005																	
	F024283	353	354	0.005																	
	F024284	354	355	0.008																	
355	F024285	355	356	0.012																	
	F024286	356	357	0.008																	
	F024287	357	358	0.012																	
	F024288	358	359	0.005																	
	F024289	359	360	0.006																	
360	F024291	360	361	0.008																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024291	360	361	0.008																	
	F024292	361	362	0.006																	
	F024293	362	363	0.01																	
	F024294	363	364	0.006																	
	F024295	364	365	0.005																	
365	F024296	365	366	0.007																	
	F024297	366	367	0.006																	
	F024298	367	368	0.007																	
	F024299	368	369	0.005																	
	F024301	369	370	0.005																	
370	F024302	370	371	0.005																	
	F024303	371	372	0.005																	
	F024304	372	373	0.005																	
	F024305	373	374	0.005																	
	F024306	374	375	0.005																	
375	F024307	375	376	0.005																	
	F024308	376	377	0.005																	
	F024309	377	378	0.005																	
	F024311	378	379	0.006																	
	F024312	379	380	0.009																	
380	F024313	380	381	0.005	326.5	426.8	3	G	FOL	Not a typical mine rock. Light grey, fg, felsic volcanics? (3) moderately foliated, non-magnetic. Felsic groundmass with wk-mod pervasive bt and strong feldspathic flooding. Local cg muscovite books. Abundant weak methane fault splays x-cutting	foliation. Common white qz tension gashes. Trace disseminated to blebby py mineralization. LC is sharp.										
	F024314	381	382	0.005																	
	F024315	382	383	0.079																	
	F024316	383	384	0.012																	
	F024317	384	385	0.009																	
385	F024318	385	386	0.009																	
	F024319	386	387	0.008																	
	F024321	387	388	0.011																	
	F024322	388	389	0.007																	
	F024323	389	390	0.006																	
390	F024324	390	391	0.005																	
	F024325	391	392	0.005																	
	F024326	392	393	0.062																	
	F024327	393	394	0.005																	
	F024328	394	395	0.005																	
395	F024329	395	396	0.005																	
	F024331	396	397	0.006																	
	F024332	397	398	0.008																	
	F024333	398	399	0.018																	
	F024334	399	400	0.005																	
400	F024335	400	401	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024335	400	401	0.005	326.5	426.8	3	G	FOL	Not a typical mine rock. Light grey, fg, felsic volcanics? (3) moderately foliated, non-magnetic. Felsic groundmass with wk-mod pervasive bt and strong feldspathic flooding. Local cg muscovite books. Abundant weak methane fault splays x-cutting	foliation. Common white qz tension gashes. Trace disseminated to blebby py mineralization. LC is sharp.										
	F024336	401	402	0.007																	
	F024337	402	403	0.005																	
	F024338	403	404	0.005																	
	F024339	404	405	0.005																	
405	F024341	405	406	0.006																	
	F024342	406	407	0.005																	
	F024343	407	408	0.005																	
	F024344	408	409	0.005																	
	F024345	409	410	0.005																	
410	F024346	410	411	0.01																	
	F024347	411	412	0.029																	
	F024348	412	413	0.054																	
	F024349	413	414	0.005																	
	F024351	414	415	0.005																	
415	F024352	415	416	0.005																	
	F024353	416	417	0.006																	
	F024354	417	418	0.014																	
	F024355	418	419	0.008																	
	F024356	419	420	0.011																	
420	F024357	420	421	0.01																	
	F024358	421	422	0.007																	
	F024359	422	423	0.006																	
	F024361	423	424	0.029																	
	F024362	424	425	0.023																	
425	F024363	425	426	0.009																	
	F024364	426	426.8	0.018																	
	F024365	426.8	427.8	0.017	426.8	428.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff? (3F) well foliated, non-magnetic. Intense sericitization throughout over printing possible lapilli, reminiscent of sericitized 3F in mine rocks. Common planar qz veining. No visible mineralization. LC is sharp.											
	F024366	427.8	428.7	0.011																	
	F024367	428.7	429.3	0.005	428.7	435	3	G	FOL	Not a typical mine rock. Same unit as previous 3. Light grey, fg, felsic volcanics? (3) well foliated, non-magnetic. Wk-mod pervasive bt, strong feldspathic flooding throughout. No significant veining. Local trace oy blebs. EOH.											
	F024368	429.3	430	0.005																	
430	F024369	430	431	0.005																	
	F024371	431	432	0.006																	
	F024372	432	433	0.006																	
	F024373	433	434	0.005																	
	F024374	434	435	0.013																	
435																					
440																					

19-KAZ-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	1.7	CASING														
	F000881	1.7	2.6	0.005	1.7	14	2	G	FOL	Fg, grey to green-grey, mod foliated mafic volcanics. Non-magnetic. Weak wispy bt alteration, with local, narrow, more bt-rich alteration bands with diffuse edges. Brittle fracturing/jointing from 2.2-3.8m likely due to surficial processes.	Contains abundant, 0.2-0.7cm, irregularly shaped Qz 'wisps'/pieces (strained amygdules?) from top to ~10.6m. 1% wispy po in 50cm above LC.										
	F000882	2.6	3.5	0.005																	
	F000883	3.5	4.4	0.005																	
5	F000884	4.4	5.2	0.005																	
	F000885	5.2	6	0.005																	
	F000886	6	7	0.005																	
	F000887	7	8	0.005																	
	F000888	8	9	0.005																	
	F000889	9	9.9	0.005																	
10	F000891	9.9	10.8	0.005																	
	F000892	10.8	11.7	0.005																	
	F000893	11.7	12.6	0.005																	
	F000894	12.6	13.5	0.005																	
	F000895	13.5	14	0.005																	
	F000896	14	14.4	0.005	14	14.4	CARB Vein	W	MA	Cg, massive white Qz-cb vein. Weak foliation visible locally. Sharp UC/LC.											
15	F000897	14.4	15.2	0.005	14.4	17	2	G	FOL	Fg, grey to green-grey, mod foliated mafic volcanics. Non-magnetic. Weak wispy bt alteration, with local, narrow, more bt-rich alteration bands with diffuse edges.	Unit contains multiple brittle breaks, and bottom ~50cm is rubbly/faulted with minor gouge and underlain by an interval of missing core.										
	F000898	15.2	16	0.005																	
	F000899	16	17	0.005																	
					17	19.7	VOID			2.7 m of missing core, bounded on either side by ~50cm of rubbly, faulted rock with minor gouge.											
20	F000901	19.7	20.7	0.005	19.7	54.8	2	G	FOL	Fg, grey to green-grey, mod foliated mafic volcanics. Non-magnetic. Weak wispy bt alteration, with local, narrow, more bt-rich alteration bands with diffuse edges. Contains 3, ~50cm-wide HZ with varying bt, chl, cb alteration,	and 3-7% wispy/stringers of po and 1% py. 1-3% Qz-carb stringers throughout. Trace to 0.5% wispy po locally. Irregular, 0.5-1cm pink and white feldspar crystals (alt) present from ~50-51m (possibly albite?).										
	F000902	20.7	21.6	0.005																	
	F000903	21.6	22.5	0.005																	
	F000904	22.5	23.4	0.005																	
	F000905	23.4	24.3	0.005																	
25	F000906	24.3	25.2	0.005																	
	F000907	25.2	26.1	0.005																	
	F000908	26.1	27	0.005																	
	F000909	27	28	0.005																	
	F000911	28	29	0.005																	
	F000912	29	30	0.005																	
30	F000913	30	31	0.005																	
	F000914	31	32	0.005																	
	F000915	32	33	0.005																	
	F000916	33	34	0.014																	
	F000917	34	35	0.005																	
35	F000918	35	35.4	0.013										MOD	MOD						
	F000919	35.4	36.3	0.005																	
	F000921	36.3	37.2	0.005																	
	F000922	37.2	38.1	0.005																	
	F000923	38.1	39	0.006																	
	F000924	39	40	0.005																	
	F000925	40	41	0.005																	

19-KAZ-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F000925	40	41	0.005	19.7	54.8	2	G	FOL	Fg, grey to green-grey, mod foliated mafic volcanics. Non-magnetic. Weak wispy bt alteration, with local, narrow, more bt-rich alteration bands with diffuse edges. Contains 3, ~50cm-wide HZ with varying bt, chl, cb alteration,	and 3-7% wispy/stringers of po and 1% py. 1-3% Qz-carb stringers throughout. Trace to 0.5% wispy po locally. Irregular, 0.5-1cm pink and white feldspar crystals (alt) present from ~50-51m (possibly albite?).										
	F000926	41	42	0.005																	
	F000927	42	42.3	0.026																	
	F000928	42.3	43	0.03																	
	F000929	43	44	0.006																	
	F000931	44	45	0.021																	
45	F000932	45	46	0.022										STR	WK	MOD					
	F000933	46	47	0.005																	
	F000934	47	48	0.006																	
	F000935	48	49	0.006																	
	F000936	49	50	0.008																	
50	F000937	50	50.7	0.009																	
	F000938	50.7	51.5	0.013																	
	F000939	51.5	52.3	0.014																	
	F000941	52.3	52.7	0.077										MOD		WK					
	F000942	52.7	53.3	0.009																	
	F000943	53.3	54	0.006																	
	F000944	54	54.8	0.008																	
55	F000945	54.8	55.7	0.028	54.8	56.7	4A	G	BA	Med grey to grey green chert-gru BIF (4A). Strongly magnetic. Does not look like typical 4A, as it has more amp and chert cannot really be distinguished and gru appears more yellow-green in colour. 2-3% qz-cb veining (lcl vuggy). 2-4% Po in groundmass.	Aphanitic. Sharp LC. Fabric is wispy to thinly banded w minor lcl folds. Minor unit of 2 from 55.7-55.9m.	2	Light grey-green mafic volc (2). Fg. Weakly foliated. Very weakly magnetic. No significant veining or mineralization. Sharp UC and LC.								
	F000946	55.7	56	0.005																	
	F000947	56	56.7	0.01																	
	F000948	56.7	57.4	0.011	56.7	58	1	G	MA	Med grey to green ultramafic (1). Fine grained. Weakly magnetic. Massive to weakly foliated. Mod silicified. 1% qz-cb veins. Rare Py speck seen in groundmass. Sharp LC.										MOD	
	F000949	57.4	58	0.012																	
	F021501	58	58.9	0.014	58	59.9	4B	G	BA	Med-dark grey chert-mag BIF (4B). Magnetic. Aphanitic. Thinly banded w/ local folding, and locally wispy. Lcl weak chl stringers. 1-2% qz-cb veining. 1-4% Po predominantly seen in groundmass, but also assoc w veining. Sharp LC.											
	F021502	58.9	59.2	0.018																	
	F021503	59.2	59.9	0.115																	
60	F021504	59.9	60.9	0.075	59.9	65.8	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated. Locally weakly magnetic. Mod brittle faulting from 65-67m. Sct fracturing present. 10cm 4B from 64.8-64.9m w tr Po and folded banding. Sharp to possible faulted LC.											
	F021505	60.9	61.9	0.017																	
	F021506	61.9	62.9	0.01									Grey-beige chert-mag BIF (4B). Magnetic. Aphanitic. Tr blb Po in groundmass and veining. 1% qz-cb veining. Sharp contacts.								
	F021507	62.9	63.9	0.007																	
	F021508	63.9	64.7	0.005									Dark grey-green mafic volc (2). Fg. Weakly magnetic. No visible veining or mineralization. Sharp UC and sharp and wavy LC. Minor anhedral grt at UC.								
	F021509	64.7	65	0.005								4B									
65	F021511	65	65.8	0.009																	
	F021512	65.8	66.8	0.005	65.8	72.1	4B	G	BA	Dark grey chert-mag BIF (4B). Aphanitic. Magnetic. Well banded. Banding thin and locally folded. Mod brittle faulting from 65-67m and 5 meth faults (brittle and 1 cohesive) between 67-71.3m w pink/red hem, and light green staining bleeding into host.	1% qz-cb veining. Tr-1% sct Po and trc sct Asp assoc w/ groundmass.	2	Dark grey-green mafic volc (2). Fg. Very weakly magnetic. Sharp UC and LC. Fragment of 4B w/in unit (most likely intersecting a folded contact between 4B and 2. NO vis sulphides. No significant veining.								
	F021513	66.8	67.8	0.005																	
	F021514	67.8	68.4	0.005								2									
	F021515	68.4	68.7	0.005																	
	F021516	68.7	69.7	0.013																	
70	F021517	69.7	70.7	0.114																	
	F021518	70.7	71.4	0.012																	
	F021519	71.4	72.1	0.038																	
	F021521	72.1	73	0.006	72.1	73.9	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated to massive. Weakly magnetic. 3-5% white qz-cb veining. No visible mineralization. Lcl cb stringers. Weakly fractured. Sharp UC and LC.											
	F021522	73	73.9	0.014																	
	F021523	73.9	74.3	0.016	73.9	81	4B	G	BA	Dark grey-purple chert-mag BIF (4B). Aphanitic. Magnetic. Sct meth flt splays and kn flts. 5% white-grey qz-cb veining. Tr-2% sct Po seen in both veining and groundmass. Banding is thin and locally folded. Folded LC.											
	F021524	74.3	75	0.011																	
75	F021525	75	76	0.014																	
	F021526	76	76.9	0.049																	
	F021527	76.9	77.5	0.079																	
	F021528	77.5	78	0.219																	
	F021529	78	79	0.064																	
	F021531	79	80	0.021																	
	F021532	80	80.4	0.024																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021532	80	80.4	0.024	73.9	81	4B	G	BA	Dark grey-purple chert-mag BIF (4B). Aphanitic. Magnetic. Sct meth flt splays and kn flts. 5% white-grey qz-cb veining. Tr-2% sct Po seen in both veining and groundmass. Banding is thin and locally folded. Folded LC.											
	F021533	80.4	81	0.172																	
	F021534	81	81.7	0.005	81	81.7	2	GG	FOL	Med grey-green mafic volc (2). Or poss UM (1). Fine grained. Weakly foliated to massive. Very locally weakly magnetic. Mod prv chl. 1% qz-cb veining. No visible sulphides. Gradational LC.											
	F021535	81.7	82.7	0.007	81.7	86.2	1	GG	FOL	Med grey-greenUM (1) or poss mafic volc (2). Fine grained. Soft. Weakly magnetic. Sct wk-mod brittle fracturing throughout. Lcl wk meth flt splays w hem staining. 1% qz-cb veining. No visible mineralization. Gradational LC. Weakly fol.											
	F021536	82.7	83.7	0.01																	
	F021537	83.7	84.7	0.005																	
85	F021538	84.7	85.7	0.006																	
	F021539	85.7	86.2	0.007																	
	F021541	86.2	87.1	0.009	86.2	87.1	2	GG	FOL	Med-dark grey-green mafic volc (2). Poss UM (1). Fine grained. Nonmagnetic. Not as soft as previous unit. Weakly foliated to massive. No significant veining or mineralization. Local brittle fracturing. Sharp and weakly folded LC.											
	F021542	87.1	87.7	0.012	87.1	88.2	4B	G	BA	Dark grey-purple chert-mag BIF (4B). Magnetic. Aphanitic. Well banded and folded. Wk meth flt splays present. Tr Po and tr Apy. 1% qz-cb veining. Po assoc w/ veining and groundmass. Apy assoc w/ groundmass. Locally fractured. Sharp and fractured LC.											
	F021543	87.7	88.2	0.015																	
	F021544	88.2	89	0.006	88.2	93.9	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated to locally massive (heterogeneous). 2-3% white qz-cb veining. Tr Po assoc w both veining and groundmass. Fabric is locally wispy/weakly dist. Mod chl and wk bt wisps. Sharp LC.											
	F021545	89	90	0.01																	
90	F021546	90	91	0.006																	
	F021547	91	91.4	0.005																	
	F021548	91.4	92.4	0.007																	
	F021549	92.4	93.3	0.014																	
	F021551	93.3	93.9	0.007																	
	F021552	93.9	94.9	0.088	93.9	97.3	4B	G	BA	Dark grey-beige chert-mag BIF (4B). Aphanitic. Magnetic. Well banded. Bands range in thickness from 1mm to 1cm wide. Folded throughout. Scattered wk kn flts. 1-3% qz-cb veining. Trc Po and apy assoc w groundmass. Sharp LC.											
95	F021553	94.9	95.8	0.162																	
	F021554	95.8	96.8	0.396																	
	F021555	96.8	97.3	0.311																	
	F021556	97.3	98.3	0.007	97.3	101.2	1	GG	MO	Med grey-green ultramafic (1). Fine grained. Weakly foliated to mottled. Mod talc/serp altn (soft). Local mod fracturing. Weakly magnetic. 1-2% thin white qz-cb veinlets. No visible mineralization. Sharp LC.											
	F021557	98.3	99.2	0.007																	
	F021558	99.2	100.2	0.005																	
100	F021559	100.2	101.2																		
	F021561	101.2	102.2	0.022																	
	F021562	102.2	103		101.2	103.6	4B	G	BA	Dark grey-beige chert-mag BIF (4B). Aphanitic. Magnetic. Weak marginal gru. Thinly banded and patches of mod folding. 1% qz-cb veining (lcl boudinage/discontinuous). Trc Po assoc w veining and groundmass. Sharp LC. Med-dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps starting around 103.8m. Very weakly magnetic. 1% qz-cb veining. Rare Po speck. Thin folded qz-cb veinlets at UC. Gradational LC.											
	F021563	103	103.6	0.018																	
	F021564	103.6	104	0.279																	
	F021565	104	104.4	0.037																	
	F021566	104.4	104.7	0.009	103.6	104.4	2	GG	FOL	Med-dark grey-green poss ultramafic (1). Fine grained. Foliated to locally weakly mottled. Weakly magnetic. Mod talc altn making core soft to scratch. <1% qz-cb veinlets. No visible mineralization. Gradational LC. Weak chl stringers. No sig bt.											
	F021567	104.7	105.6	0.005	104.4	104.7	1	GG	MO												
105	F021568	105.6	106.2	0.005	104.7	107.2	2	GG	FOL	Med-dark grey-green mafic volc (2). Well foliated. Mod bt wisps. Fine grained. Very weakly magnetic. 1-2% qz-cb veining/veinlets. Local weak cb stringers at 106.6-106.7m. Rare Po speck and up to 3% s-ma Py band at 106.2m. Sharp LC.											
	F021569	106.2	106.5	0.005																	
	F021571	106.5	107.2	0.115																	
	F021572	107.2	107.6	0.016	107.2	107.6	4B	G	BA	Light grey-beige and purple chert-mag BIF (4B). Aphanitic. Thinly banded that is locally folded near contacts. Minor 6N at UC w 2% Py. 1% qz-cb boudins. Up to 5% Po diss in groundmass. Magnetic. Sharp LC.		6N	Minor argillite (6N). Abundant Py. Weakly magnetic. Irregular LC w/ 4B. Minor qz-cb eyes.								
	F021573	107.6	108.6	0.053																	
	F021574	108.6	109.3	0.006	107.6	109.3	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w weak bt wisps. 2-3% white qz-cb veining. No visible mineralization. Very weakly to weakly magnetic. Sharp LC. Locally weakly fractured.											
	F021575	109.3	109.7	0.007																	
	F021576	109.7	110.4	0.523	109.3	109.7	4B	G	BA	Med grey chert-mag BIF (4B). Aphanitic. Magnetic. Thinly banded w local weak folding. 1% white qz-cb & cb stringers. Trc Po and up to 2% Py assoc w groundmass. Sharp LC. Minor chl stringers.		4B	Light grey-beige and purple chert-mag BIF (4B). Well banded. Magnetic. Folded. Intersected fold along 4B and 2 contact? No sig min or vns.								
110	F021577	110.4	110.7	0.015	109.7	113.1	2	GG	FOL	Light-med grey-green mafic volc (2). Fine grained. Weakly foliated w patchy bt wisps. Two minor 4B units at 110.4-110.5m (6cm wide) and 111.5-111.6m (3cm wide). 4B minor units are folded and don't host any vis min. 1-2% qz-cb veins/stringers.	Locally weakly magnetic. Rare Po specks.	4B	Small chert-mag BIF (4B) in mafic. 3cm wide. Banding is weakly wavy to distorted. No sig min.								
	F021578	110.7	111.5	0.013																	
	F021579	111.5	111.8	0.006																	
	F021581	111.8	112.8	0.043																	
	F021582	112.8	113.1	0.005																	
	F021583	113.1	113.9	0.005	113.1	114.6	4A	G	DIST	Beige-grey chert-gru BIF (4A). Aphanitic. Distorted texture w wispy gru. Strongly magnetic at UC and LC and weakly magnetic in the middle. Fabric is tightly folded at UC and then turning into broad shallow folds. Most distorted section from 113.5-114m	may be fold nose w folded/intact fabric on either side. Sharp LC.										
	F021584	113.9	114.3	0.237																	
	F021585	114.3	114.6	0.008																	
115	F021586	114.6	114.9	0.134	114.6	120.6	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps. Weakly magnetic. 2-3% qz-cb stringers (discontinuous and chaotic). Trc sct Po in both veining and groundmass. Sharp LC.		6N	Minor argillite mudstone (6N). Aphanitic. Magnetic. Well foliated. Fabric is weakly wavy. Abundant Po. Mod qz-cb eyes/boudins.								
	F021587	114.9	115.8	0.068																	
	F021588	115.8	116.8	0.026																	
	F021589	116.8	117.8	0.023																	
	F021591	117.8	118.8	0.011																	
	F021592	118.8	119.8	0.007																	
	F021593	119.8	120.6	0.009																	
				0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021593	119.8	120.6	0.006	114.6	120.6	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps. Weakly magnetic. 2-3% qz-cb stringers (discontinuous and chaotic). Trc sct Po in both veining and groundmass. Sharp LC.											
	F021594	120.6	121.1	0.005																	
	F021595	121.1	122	0.005																	
	F021596	122	123	0.005																	
	F021597	123	124	0.005																	
	F021598	124	125	0.005																	
125	F021599	125	125.5	0.005	120.6	129.5	7A	GG	FOL	Dark grey-green gabbro (7A). Medium grained. Mod-strongly foliated to locally mottled looking. Abundant qz-cb stringers scattered throughout and up to 5% qz-cb veins. Trc blb Po in both veining and groundmass. Weakly magnetic. Fabric is locally wavy.	Gradational LC.										
	F021601	125.5	126.5	0.005																	
	F021602	126.5	127.5	0.005																	
	F021603	127.5	128.5	0.005																	
	F021604	128.5	129.5	0.005																	
130	F021605	129.5	130.5	0.005																	
	F021606	130.5	131.5	0.005																	
	F021607	131.5	132.5	0.005																	
	F021608	132.5	133.5	0.005																	
	F021609	133.5	134.5	0.005																	
135	F021611	134.5	135.5	0.005																	
	F021612	135.5	136	0.005																	
	F021613	136	137	0.005																	
	F021614	137	137.8	0.005																	
	F021615	137.8	138.8	0.005																	
	F021616	138.8	139.3	0.005																	
140	F021617	139.3	140	0.005																	
	F021618	140	141	0.005																	
	F021619	141	142	0.005																	
	F021621	142	143	0.005																	
	F021622	143	144	0.007							Sct wk meth flt splays w light green staining. Multiple HZ between 133.4-159.8m (increased frequency of stringers and distorted fabric). Mod prv cb from 155.5-157m w vn brx at 155.5m w angular host rock fragments. EOH.										
	F021623	144	144.3	0.005																	
145	F021624	144.3	145	0.005	129.5	162	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated to the appearance of banding in areas. Weakly magnetic. Locally folded, starting at 130m. Up to 10% qz-cb stringers throughout. Trc Po sct in veining and groundmass, w up to 1% local Po.											
	F021625	145	146	0.005																	
	F021626	146	147	0.005																	
	F021627	147	147.8	0.005																	
	F021628	147.8	148.8	0.005																	
	F021629	148.8	149.8	0.005																	
150	F021631	149.8	150.8	0.005																	
	F021632	150.8	151.8	0.006																	
	F021633	151.8	152.8	0.007																	
	F021634	152.8	153.8	0.007																	
	F021635	153.8	154.4	0.005																	
155	F021636	154.4	155.3	0.005																	
	F021637	155.3	156.3	0.007																	
	F021638	156.3	157.3	0.005																	
	F021639	157.3	158.3	0.005																	
	F021641	158.3	159.3	0.005																	
	F021642	159.3	160.3	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021642	159.3	160.3	0.005	129.5	162	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated to the appearance of banding in areas. Weakly magnetic. Locally folded, starting at 130m. Up to 10% qz-cb stringers throughout. Trc Po sct in veining and groundmass, w up to 1% local Po.	Sct wk meth flt splays w light green staining. Multiple HZ between 133.4-159.8m (increased frequency of stringers and distorted fabric). Mod prv cb from 155.5-157m w vn brx at 155.5m w angular host rock fragments. EOH.										
	F021643	160.3	161.3	0.005																	
	F021644	161.3	162	0.005																	
165																					
170																					
175																					
180																					
185																					
190																					
195																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	8.8	CASING														
					8.8	9	OVERBURDEN														
10	F007919	9	10	0.008																	
	F007921	10	11	0.007																	
	F007922	11	12	0.008																	
	F007923	12	13	0.01																	
	F007924	13	14	0.011																	
	F007925	14	15	0.008																	
15	F007926	15	16	0.008																	
	F007927	16	17	0.007																	
	F007928	17	18	0.009																	
	F007929	18	19	0.005																	
	F007931	19	20	0.005																	
20	F007932	20	21	0.005																	
	F007933	21	22	0.007																	
	F007934	22	23	0.006																	
	F007935	23	24	0.005																	
	F007936	24	25	0.006	9	40.7	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-moderate bt alteration. Unit contains a zone of intense faulting with green discolouration and nearby pink/red fractures indicating possible methane faulting.	Intermittent 0.1-3cm distorted qz/cb veining. Weakly locally magnetic. Trace disseminated po min within litho. Sharp LC.										
25	F007937	25	26	0.005																	
	F007938	26	27	0.005																	
	F007939	27	28	0.012																	
	F007941	28	29	0.012																	
	F007942	29	30	0.009																	
30	F007943	30	31	0.005																	
	F007944	31	32	0.007																	
	F007945	32	33	0.007																	
	F007946	33	34	0.005																	
	F007947	34	35	0.007																	
35	F007948	35	36	0.005																	
	F007949	36	37	0.005																	
	F007951	37	38	0.009																	
	F007952	38	39	0.006																	
	F007953	39	40	0.015																	
	F007954	40	40.7	0.011																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F007954	40	40.7	0.011	9	40.7	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-moderate bt alteration. Unit contains a zone of intense faulting with green discolouration and nearby pink/red fractures indicating possible methane faulting.	Intermittent 0.1-3cm distorted qz/cb veining. Weakly locally magnetic. Trace disseminated po min within litho. Sharp LC.										
	F007955	40.7	41.6	0.338	40.7	43.3	4B	G	BA	Fgr dark grey-beige chert-magnetite BIF with strong foliation. Mod-strong marginal gru alteration along bands. Intermittent 1-3cm qz veining. Unit is moderately-intensely attenuated/distorted and parasitically folded at LC indicating a shear zone.	Strongly magnetic. Trace disseminated po min within litho. Sharp LC.										
	F007956	41.6	42.5	0.263																	
	F007957	42.5	43.3	0.012																	
	F007958	43.3	44.3	0.008	43.3	69	2	GG	FOL	Fg grey-green moderately foliated mafic metavolcanics. Weak-moderate bt alteration. Intermittent 0.1-4cm distorted qz/cb veining. Unit possibly contains multiple gabbroic intrusions but it is uncertain due to grainsize and weak textural difference.	Unit contains areas of moderate distortion/folding towards EOH and localized brittle fracturing. Locally moderately magnetic. Localized 0.5-7% blebby/stringer po min within litho and ~1-2% blebby py min within veining. EOH.										
45	F007959	44.3	45.3	0.005																	
	F007961	45.3	45.9	0.007																	
	F007962	45.9	46.9	0.005																	
	F007963	46.9	47.2	0.005																	
	F007964	47.2	47.5	0.005																	
	F007965	47.5	47.8	0.006																	
	F007966	47.8	48.8	0.005																	
	F007967	48.8	49.8	0.005																	
50	F007968	49.8	50.8	0.005																	
	F007969	50.8	51.8	0.005																	
	F007971	51.8	52.2	0.006																	
	F007972	52.2	53.2	0.005																	
	F007973	53.2	54.2	0.005																	
	F007974	54.2	55	0.008																	
55	F007975	55	55.7	0.005																	
	F007976	55.7	56.7	0.006																	
	F007977	56.7	57.7	0.006																	
	F007978	57.7	58.7	0.007																	
	F007979	58.7	59.3	0.009																	
60	F007981	59.3	60	0.005																	
	F007982	60	61	0.005																	
	F007983	61	62	0.012																	
	F007984	62	63	0.01																	
	F007985	63	64	0.009																	
	F007986	64	65	0.005																	
65	F007987	65	66	0.008																	
	F007988	66	67	0.007																	
	F007989	67	68	0.006																	
	F007991	68	69	0.005																	
70																					
75																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	1.7	CASING														
	F021057	1.7	2.5	0.006	1.7	12.6	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well fol to lcl dist & folded. Mod sct fracturing throughout & brittle faulting at 2.5-3m and 11-12.6m. Locally very weakly magnetic. 1-2% white qz-cb veining. Tr Po & Py visible in groundmass & in veins.	Wk bt wisps.										
	F021058	2.5	3	0.005																	
	F021059	3	4	0.005																	
	F021061	4	5	0.005																	
5	F021062	5	6	0.007																	
	F021063	6	7	0.012																	
	F021064	7	8	0.008																	
	F021065	8	9	0.005																	
	F021066	9	10	0.005																	
10	F021067	10	11	0.005																	
	F021068	11	12	0.005																	
	F021069	12	12.6	0.005																	
					12.6	13	VOID			40cm missing due to brittle faulting.											
	F021071	13	14	0.005	13	26.3	2	GG	FOL	Med-dark grey-green mafic volc (2). Same as above unit. 1-2% white qz-cb veining. Trc Po in groundmass & in some veins, w up to 6% Po & 1% Py near LC w 4A. Minor 4A unit at 25-25.1m (up to 3% Po in veinlets). Mod bt wisps. Sharp LC.											
	F021072	14	15	0.005																	
15	F021073	15	16	0.005																	
	F021074	16	17	0.005																	
	F021075	17	18	0.005																	
	F021076	18	18.8	0.005																	
	F021077	18.8	19.3	0.005																	
20	F021078	19.3	20	0.005																	
	F021079	20	21	0.005																	
	F021081	21	22	0.005																	
	F021082	22	23	0.005																	
	F021083	23	24	0.005																	
	F021084	24	25	0.005																	
	F021085	25	25.3	0.005								4A	Minor 4A w 3% Po in minor qz-cb veinlets. Weakly banded. Magnetic. Sharp UC and LC.								
25	F021086	25.3	26	0.005																	
	F021087	26	26.3	0.005																	
	F021088	26.3	27	0.088						Light-med grey-beige chert-gru BIF (4A). Aph. Mod mag. Mod light green wisps. Qz-cb flooded (~10-15%). 4-5% Po in vns & groundmass. 3% Py & tr Apy also present. Weakly banded to dist. Locally folded. Black band 2cm wide at LC and str Po (poss 6N band).										
	F021089	27	27.5	0.114	26.3	28.1	4A	G	DIST		Sporadic chl wisps. Sharp LC.										
	F021091	27.5	28.1	0.038																	
	F021092	28.1	29	0.213	28.1	29	2	GG	FOL	Med-dark mafic volc (2). Fine grained. Well foliated to locally distorted. Mod bt wisps. Nonmagnetic. 1% qz-cb veinlets. No significant mineralization. Sharp LC. Mod cb at UC.											
	F021093	29	30	0.005																	
	F021094	30	30.3	0.136	29	30	4A	G	BA	Med grey chert-gru BIF (4A). Aphanitic. Well banded w mod wispy and banded gru. Weakly to mod magnetic. <1% qz-cb veining. 3% Po and 2% Apy scattered in groundmass. Asp occurs mostly in patches following banding. Sharp LC.											
30	F021095	30.3	30.6	0.011								4A	Minor 4A w abundant chert. Mod magnetic. 2% Po assoc w litho.								
	F021096	30.6	31	0.056								4A	3cm wide minor 4A w 1% Po assoc w groundmass. no significant veining.								
	F021097	31	32	0.007																	
	F021098	32	33	0.005																	
	F021099	33	33.7	0.005																	
	F021101	33.7	34.4	0.005																	
35	F021102	34.4	35	0.005	30	39.1	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated. Poss gabbro from 34.4-37m (grain sizes grades to mg). Weakly magnetic. 2-3% white qz-cb veining. Trc sct Po in groundmass and vns. Locally fractured. Sharp LC. Minor 4A units at 30.4-30.6	& 30.7-30.8m w 1-2% Po in groundmass.										
	F021103	35	36	0.005																	
	F021104	36	37	0.005																	
	F021105	37	38	0.005																	
	F021106	38	38.7	0.005																	
	F021107	38.7	39.1	0.005							3% qz-cb veining (locally stained yellow). 4-6% Po and up to 1% Apy predominantly in groundmass, but some Po in veining.										
	F021108	39.1	40	0.041																	
	F021109	40	41	0.035	39.1	45.2	4A	G	BA	Med grey chert-gru BIF (4A) w mod chert-mag banding. Mod magnetic to locally strong mag. Aphanitic. Well banded. Mod folding w patches of linear fabric. Banding ranges from thin to wide (<2cm). Mod discing and fracturing throughout.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021109	40	41	0.035	39.1	45.2	4A	G	BA	Med grey chert-gru BIF (4A) w mod chert-mag banding. Mod magnetic to locally strong mag. Aphanitic. Well banded. Mod folding w patches of linear fabric. Banding ranges from thin to wide (<2cm). Mod discing and fracturing throughout.	3% qz-cb veining (locally stained yellow). 4-6% Po and up to 1% Apy predominantly in groundmass, but some Po in veining.										
	F021111	41	42	0.053																	
	F021112	42	43	0.088																	
	F021113	43	43.9	0.104																	
	F021114	43.9	44.4	0.077																	
45	F021115	44.4	44.7	0.046																	
	F021116	44.7	45.2	0.005																	
	F021117	45.2	45.8	0.005	45.2	54.7	4B	G	BA	Dark grey-beige chert-mag BIF (4B) w mod marginal & chert-gru banding. Aph. Strongly mag. Well banded to lcl dist. Banding is predominantly thin but varies in thinness. Abund fracturing & discing. SZ from 51-52.1 w dist & very thin banding & tight fld.	Tr-1% Po and up to 4% local Py. Min in both veining and litho. Gradational UC.										
	F021118	45.8	46.4	0.007																	
	F021119	46.4	47	0.005																	
	F021121	47	48	0.009																	
	F021122	48	49	0.016																	
	F021123	49	50	0.035																	
50	F021124	50	51	0.033																	
	F021125	51	52	1.81																	
	F021126	52	52.8	0.657																	
	F021127	52.8	53.8	0.058																	
	F021128	53.8	54.7	0.006																	
55	F021129	54.7	55.7	0.005	54.7	60.1	4B	G	BA	Dark grey/purple and beige chert-mag BIF (4B) w mod patchy marginal gru. Aphanitic. Strongly magnetic. Well banded (predominantly thinly banded). Locally folded. Mod local discing. Gradational LC w intercalated bands of 4B and UM	(intersecting bits of folded contact?). Tr Py and Apy assoc w veining. 2-3% qz-cb veining.										
	F021131	55.7	56.7	0.005																	
	F021132	56.7	57.7	0.005																	
	F021133	57.7	58.5	0.005																	
	F021134	58.5	58.9	0.005																	
	F021135	58.9	59.2	0.12																	
	F021136	59.2	60.1	0.008																	
60	F021137	60.1	60.8	0.005	60.1	60.8	2	GG	FOL	Med grey-green mafic volc (2). Fine grained w patches of mod-strong bt wisps. Very weakly magnetic. Well foliated to locally weakly distorted. 1% white qz-cb veinlets. No significant mineralization. Sharp LC.											
	F021138	60.8	61.8	0.008	60.8	62.4	1	GG	FOL	Med grey-green ultramafic (1). Fine grained. Very weakly foliated to locally massive. Weakly magnetic. Mod talc/serp alt (soft to scratch). Minor white-green qz-cb veinlets near LC. No visible mineralization. Sharp LC.											
	F021139	61.8	62.4	0.005																	
	F021141	62.4	63.4	0.005	62.4	67.4	4B	G	BA	Dark grey-purple chert-mag BIF (4B). Aphanitic. Thinly banded. Fabric is predominantly linear w local minor waves/boudinaged (chert) bands. Strongly magnetic. Tr-2% Po in groundmass. 2-3% qz-cb veining. Faulted LC w orange rust on fault plane.	Brittle fault from 63.5-66m w blocky core and locally rusty rubbly core (at 64.1m). Multiple weak meth flt splays w light green staining bleeding into host rock from 66.6-67.4m.										
	F021142	63.4	64.1	0.017																	
	F021143	64.1	65	0.024																	
65	F021144	65	65.4	0.036																	
	F021145	65.4	66	0.018																	
	F021146	66	66.7	0.005																	
	F021147	66.7	67.4	0.057																	
	F021148	67.4	68.4	0.005	67.4	77.9	2	GG	FOL	Med grey-green mafic volc (2). Fg. Well foliated. Locally weakly magnetic. 2-3% white qz-cb veinlets. Local veinlets w weak-mod hem staining. Rare Py specks in groundmass (not significant). Mod local fracturing. Brittle fault w rubbly core at 75.4-75.5m.	Sharp LC.										
	F021149	68.4	69.4	0.01																	
70	F021151	69.4	70.4	0.009																	
	F021152	70.4	71.4	0.005																	
	F021153	71.4	72.4	0.005																	
	F021154	72.4	73.4	0.005																	
	F021155	73.4	74.4	0.005																	
75	F021156	74.4	75.4	0.005																	
	F021157	75.4	76.4	0.005																	
	F021158	76.4	77	0.005																	
	F021159	77	77.9	0.005																	
	F021161	77.9	78.2	0.005	77.9	78.2	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Thinly banded w local weakly wavy bands. 1-2% Po seen in groundmass. 1% white qz-cb veining. Sharp LC. Mod blocky core at 78m. Mod gru and marginal gru bands.										
	F021162	78.2	79	0.005	78.2	80.5	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated. Local weak-mod fracturing. Mod bt wisps. Weakly magnetic. Fabric is locally distorted (weakly) near UC. Gradational LC. 1% qz-cb fracture infill veins. No visible mineralization.											
	F021163	79	80	0.005																	
	F021164	80	80.5	0.005																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F021164	80	80.5	0.005	78.2	80.5	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated. Local weak-mod fracturing. Mod bt wisps. Weakly magnetic. Fabric is locally distorted (weakly) near UC. Gradational LC. 1% qz-cb fracture infill veins. No visible mineralization.															
F021165	80.5	81	0.005	80.5	81.6	1	GG	FOL		Unsure of LC as it is spun.										
F021166	81	81.6	0.005																	
F021167	81.6	82.6	0.005	81.6	83.3	2	GG	FOL	Med grey-green ultramafic (1). Weakly foliated to mottled. Weakly magnetic. Mod talc/serp alt making core soft to scratch. Weak fracturing following fabric. No significant veining or visible mineralization. Strings w black mag (mod magnetic) clasts.											
F021168	82.6	83.3	0.023																	
F021169	83.3	83.7	0.005	83.3	83.7	4B	G	BA												
F021171	83.7	84.5	0.005	83.7	94.5	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Locally weakly magnetic. Weakly foliated.7-10% qz-cb veining w large white qz-cb vein at 83-83.2m. Mod bt wisps. No significant mineralization. Sharp LC. Dark grey and beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Very thinly banded and bands are tightly folded/wispy. 1% qz-cb veinlets. No significant mineralization. Sharp LC.														
F021172	84.5	85	0.005																	
F021173	85	86	0.005																	
F021174	86	87	0.005																	
F021175	87	88	0.005																	
F021176	88	89	0.005						Med-dark grey-green mafic volc (2). Fine grained. Well foliated to locally wavy. HZ from 86.5-86.8mm w abundant qz-cb stringers/veinlets and bt wisps/bands. No significant mineralization. Locally mod fractured from 92.6-94.4m. Gradational LC.	Locally very weakly magnetic. 3-5% qz-cb veining.										
F021177	89	90	0.005																	
F021178	90	91	0.005																	
F021179	91	92	0.005																	
F021181	92	93	0.005																	
F021182	93	94	0.005																	
F021183	94	94.5	0.005																	
F021184	94.5	95.1	0.005																	
F021185	95.1	95.6	0.005																	
F021186	95.6	96.2	0.005																	
F021187	96.2	96.5	0.005	94.5	95.1	1	GG	FOL	Med grey-green possible ultramafic (1). Fine grained. Weakly foliated. Scattered bt wisps. Softer than surrounding mafic volc. Very weakly to weakly magnetic. Faulted/blocky LC. No significant veining or visible mineralization.											
F021188	96.5	97	0.005	95.1	96.2	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated. Mod wispy bt. Locally very weakly magnetic. Local mod fracturing present. 1-2% cb stringers present, concentrated in patches. No visible mineralization. Sharp LC.											
F021189	97	97.3	0.214																	
F021191	97.3	97.9	0.005	96.2	97.3	4B	G	BA		Sharp LC.										
F021192	97.9	98.3	0.018	97.3	97.9	2	GG	FOL	Med-dark grey and beige chert-mag BIF (4B). Aphanitic. Well banded w very thin banding at UC (HZ or SZ). Banding becomes thicker around 96.6m. Minor static texture present. 1% qz-cb veins. Strongly magnetic. Up to 2% Po in groundmass towards LC.											
F021193	98.3	99	0.007	97.9	98.3	1	GG	MO												
F021194	99	99.7	0.005	98.3	107.5	4B	G	BA	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated. Nonmagnetic. 1% qz-cb veinlets. No visible mineralization. Irregular and wispy LC w/ UM. Med grey-green ultramafic (1). Fine grained. Mottle to weakly foliated. Mod talc/serp alt making core soft to scratch. Scattered chl wisps. Sharp LC. No significant veining and no visible mineralization. Very weakly magnetic. Dark grey-beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Thinly banded. Locally folded. Patches of multiple knife faulting causing minor sinistral displacement. Minor mafic volc from 102.8-103m, and mod blocky (brittle faulting)	Tr-6% Po in groundmass and in veining. 1-2% qz-cb veining. Sct patches of minor knife faulting. Irregular and folded LC. Lcl chl bands between 106-106.6m.	2	Dark grey mafic volc (2) intercalated between 4B. This area is mod to intensly blocky/faulted.									
F021194	99	99.7	0.011																	
F021195	99.7	100	0.042																	
F021196	100	101	0.007																	
F021197	101	101.5	0.009																	
F021198	101.5	102.4	0.007																	
F021199	102.4	102.7	0.005																	
F021201	102.7	103	0.008																	
F021202	103	103.7	0.006																	
F021203	103.7	104.3	0.005																	
F021204	104.3	105.3	0.005																	
F021205	105.3	106	0.022																	
F021206	106	107	0.014																	
F021207	107	107.5	0.017																	
F021208	107.5	108	0.005	107.5	108	1	GG	MO	Med grey-green ultramafic (1). Mottled to weakly foliated. Weakly magnetic. Fine grained w mg prx/amp clasts. Mod talc/serp alt making core soft to scratch. Trace Po min in small vein at UC w 4B. <1% qz-cb veining. Sharp LC.											
F021209	108	108.8	0.005	108	108.8	2	GG	FOL	Med-dark grey-green mafic volc (2). Well foliated w mod bt wisps. Minor localized waves in fabric. Very weakly magnetic. 1% qz-cb veinlets. No significant mineralization. Irregular and folded LC.											
F021211	108.8	109.7	0.103	108.8	112.5	4B	G	BA	Dark grey-beige chert-mag BIF (4B). Aphanitic. Well banded alternating patches of folded and linear bands. Banding ranges from thin to thicker (<1.5cm wide). Strongly magnetic. Local knife faulting causing minor displacement.	HZ from 108.8-109.7m w distorted fabric. SZ from 111.9-112.4m w qz-cb flooding and weakly distorted/folded fabric. Up to 10% veining localized to SZ. Tr-5% Po in both groundmass and veining. Sharp LC.										
F021212	109.7	110.3	0.091																	
F021213	110.3	111	0.059																	
F021214	111	111.8	0.013																	
F021215	111.8	112.5	0.164																	
F021216	112.5	113.2	0.005	112.5	122.2	2	GG	FOL	Med-dark grey-green mafic volc (2). Aphanitic to fine grained. Weakly foliated. Locally magnetic. Local bt wisps. 4-5% qz-cb veining. Tr-3% Po in both veining & groundmass. Tr-1% Py in groundmass & veining. Patches of min in areas of weakly dist fabric.	SZ from 120.7-121.3m w abund cb stringers and weakly distorted fabric. Sharp and weakly folded LC.										
F021217	113.2	114	0.005																	
F021218	114	114.6	0.005																	
F021219	114.6	114.9	0.005																	
F021221	114.9	115.2	0.005																	
F021222	115.2	115.5	0.009																	
F021223	115.5	116.3	0.005																	
F021224	116.3	117.3	0.005																	
F021225	117.3	118.3	0.005																	
F021226	118.3	118.6	0.005																	
F021227	118.6	119	0.005																	
F021228	119	120	0.005																	
F021229	120	120.7	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021229	120	120.7	0.005	112.5	122.2	2	GG	FOL	Med-dark grey-green mafic volc (2). Aphanitic to fine grained. Weakly foliated. Locally magnetic. Local bt wisps. 4-5% qz-cb veining. Tr-3% Po in both veining & groundmass. Tr-1% Py in groundmass & veining. Patches of min in areas of weakly dist fabric.	SZ from 120.7-121.3m w abund cb stringers and weakly distorted fabric. Sharp and weakly folded LC.				MOD						
	F021231	120.7	121.3	0.008											MOD						
	F021232	121.3	122.2	0.005																	
	F021233	122.2	123	0.018	122.2	123.6	6N	BK	FOL	Black argillite mudstone (6N). Aphanitic. Magnetic due to abundant Po. 15% Po throughout assoc w groundmass. Local fractures oblique to fabric and shallow TCA. Mod cb stringers throughout. Sharp LC.											
	F021234	123	123.6	0.017																	
	F021235	123.6	123.9	0.006	123.6	123.9	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps. Quite magnetic. 1% minor qz-cb stringers. Up to 2% Po and tr Py in groundmass. Sharp LC.											
	F021236	123.9	124.6	0.013	123.9	127.5	6N	BK	FOL	Black argillite mudstone (6N). Aphanitic. Magnetic due to abundant Po in groundmass. Well foliated. SZ from 124-124.7m, 125-125.5m, and 126.4-127.5m, each w intercalated mafic volc (2) 'bands' and mod cb stringers. Up to 10% qz-cb veinlets and stringers.	5-15% Po in groundmass and some in veining. Sharp LC.				MOD						
125	F021237	124.6	125	0.015																	
	F021238	125	125.8	0.016																	
	F021239	125.8	126.5	0.018																	
	F021241	126.5	127.5	0.019																	
	F021242	127.5	128.3	0.008	127.5	144	2	GG	FOL	Med-dark grey-green mafic volc (2). Aph to fg. Locally magnetic. 5-6% qz-cb veining/stringers scattered throughout. Well foliated w local areas of weak distorted fabric. Mod bt wisps. SZ at 132.7-133.2m. Multiple weak meth flt splays at 140.8-141.7m.	Tr up to 3% Po in veining and groundmass. EOH.										
	F021243	128.3	129.1	0.005																	
	F021244	129.1	129.5	0.005																	
130	F021245	129.5	130	0.005																	
	F021246	130	131	0.005																	
	F021247	131	132	0.005																	
	F021248	132	132.7	0.005																	
	F021249	132.7	133.2	0.005																	
	F021251	133.2	134.1	0.005																	
	F021252	134.1	135	0.005																	
135	F021253	135	135.7	0.005																	
	F021254	135.7	136.2	0.005																	
	F021255	136.2	137	0.005																	
	F021256	137	138	0.005																	
	F021257	138	139	0.005																	
	F021258	139	140	0.005																	
140	F021259	140	141	0.005																	
	F021261	141	141.7	0.005																	
	F021262	141.7	142.1	0.005																	
	F021263	142.1	143	0.005																	
	F021264	143	144	0.005																	
145																					
150																					
155																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	7.9	CASING														
	F021265	7.9	8.9	0.008	7.9	8.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Weakly foliated. 2% qz-cb veinlets. No visible mineralization. Very weakly magnetic. Mod fractured as it's top of hole. Rubbly LC w a poss UM.											
	F021266	8.9	9.8	0.009	8.9	9.8	1	GG	MA	Med grey-green ultramafic (1). Fine grained. Weakly magnetic. Mod talc/serp alt making core soft to scratch. Local brittle fracturing. No significant veining and no visible mineralization. Sharp LC.											
10	F021267	9.8	10.7																		
	F021268	10.7	11.4	0.016	9.8	13.2	4A	G	BA	Med grey chert-gru BIF (4A). Mod magnetic. Aph. Well banded to locally dist/wispy. Mod-abund wispy gru. Local minor discing from 11-11.2m. Minor local waves or folds. Tr to 1% Po assoc w both veining and groundmass. 2-3% qz-cb veining. Gradational LC.											
	F021269	11.4	12.4																		
	F021271	12.4	13.2	0.024																	
	F021272	13.2	13.6	0.067																	
	F021273	13.6	14.4	0.016																	
	F021274	14.4	14.7	0.11																	
	F021275	14.7	15.4	0.022	13.2	20.7	4B	G	DIST	Dark grey-purple and beige chert-mag BIF (4B). Aph. Strongly magnetic. Thinly banded to distorted. Mod folding w patches of linear fabric. Two HZ/SZ's at 14.6-18.6m and 19.7-22m w distorted fabric. 5-6% qz-cb veining mostly localized to the first HZ/SZ.	Tr-2% Po in veining and groundmass. Irregular/wavy LC.										
	F021276	15.4	16.3	0.01																	
	F021277	16.3	17	0.133																	
15	F021278	17	17.9	0.025																	
	F021279	17.9	18.6	0.131																	
	F021281	18.6	19.3	0.071									Folded and irregular chunk of 4B (6cm) w irregular contacts. No sig veining or min.								
	F021282	19.3	19.7	0.054																	
	F021283	19.7	20.4	0.005									Folded and distorted 4B w irregular contacts. 25cm wide but because its irregular nature it's much less than that. Tr Po. No sig veining. A small 2cm chunk that is 3cm away is included in this minor unit.								
	F021284	20.4	20.7	0.017																	
	F021285	20.7	21	0.015																	
	F021286	21	21.3	0.026																	
20	F021287	21.3	21.8	0.022																	
	F021288	21.8	22.1	0.02																	
	F021289	22.1	22.7	0.018	20.7	23.3	2	GG	DIST	Dark grey-green mafic volc (2). Fg. Distorted w beige irregular and chaotic stringers giving core a locally brecciated appearance. Nonmagnetic. 5 "chunks" of folded/distorted 4B within this unit. Core has some grease on it making it difficult to see.	Tr-1% Po seen in 4b chunks. 4-5% of the beige cb stringers. No visible Po in mafic. Irregular and folded LC.	4B									
	F021291	22.7	23	0.005								4B									
	F021292	23	23.3	0.006								4B	Folded and distorted 4B w irregular contacts. 6cm wide. 1% Po and tr Py. No veining.								
	F021293	23.3	24	0.009								4B									
	F021294	24	24.4	0.005	23.3	32.2	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Thinly banded to locally folded and distorted looking due to areas of abundant knife faulting causing minor displacement of bands between 25.7-30.6m. Mod discing at 24.7-25.1m.	Locally fractured. Minor UM from 27.5-27.7m. Tr-2% local Po and tr-1% local Apy. 2-3% qz-cb veining. Gradational LC.		19cm chunk of folded 4B. Possible refolded fold near UC. Tr Po and no veining.								
	F021295	24.4	25.3	0.015																	
25	F021296	25.3	26	0.051																	
	F021297	26	27	0.083																	
	F021298	27	27.5	0.01																	
	F021299	27.5	27.8	0.172																	
	F021301	27.8	28.1	0.008								1	25cm ultramafic (1). Soft due to mod talc/serp alt. <1% qz-cb veinlets. No visible mineralization. Sharp UC and LC.								
	F021302	28.1	29	0.25																	
	F021303	29	29.5	0.224																	
	F021304	29.5	30	0.47																	
30	F021305	30	31	0.326																	
	F021306	31	31.6	0.104																	
	F021307	31.6	32.2	0.036																	
	F021308	32.2	33	0.764																	
	F021309	33	33.9	0.008	32.2	34.3	2	GG	DIST	Med-dark grey-green mafic volc (2). Fine grained. Weakly foliated to locally distorted. 2-3% qz-cb veining that are irregular and chaotic in shape. Patched of mod wispy bt. No visible mineralization. Sharp LC. Locally very weakly magnetic.	Possible UM from 33.7-34.3m (texture looks more like UM, bt wisps still present).										
	F021311	33.9	34.3	0.011																	
	F021312	34.3	35	0.029																	
	F021313	35	35.7	0.012	34.3	42.4	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Well banded, not as thinly banded as previous 4B's. Fabric is linear with local folding. Mod chl bands at 35.7-36m. 3-5% qz-cb veining. Tr-2% Po and tr Py in veining and groundmass.	Multiple weak meth flt splays. HZ from 37-37.4m w static texture and wispy bands w 2% Po. Sharp LC.			STR						Mod-strong chl bands.
35	F021314	35.7	36	0.005																	
	F021315	36	36.4	0.052																	
	F021316	36.4	37	0.005																	
	F021317	37	37.5	0.236																	
	F021318	37.5	38.5	0.116																	
	F021319	38.5	39	0.053																	
	F021321	39	40	0.017																	
	F021322	40	40.5	0.025																	
				0.038																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F021322	40	40.5	0.038	34.3	42.4	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Aphanitic. Strongly magnetic. Well banded, not as thinly banded as previous 4B's. Fabric is linear with local folding. Mod chl bands at 35.7-36m. 3-5% qz-cb veining. Tr-2% Po and tr Py in veining and groundmass.	Multiple weak meth flt splays. HZ from 37-37.4m w static texture and wispy bands w 2% Po. Sharp LC.														
F021323	40.5	41.5	0.135																	
F021324	41.5	42.4	0.238																	
F021325	42.4	43	0.005	42.4	44.9	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w abundant bt wisps. Weakly magnetic. Mod local brittle fracturing from 44.2-44.8m. 1-2% qz-cb veining. No visible mineralization. Gradational LC.											
F021326	43	44	0.005																	
F021327	44	44.9	0.005																	
F021328	44.9	45.4	0.006	44.9	47	1	GG	FOL	Med grey-green possible ultramafic (1). Fine grained. Well foliated to weakly distorted w mod bt wisps. Mod talc/serp alt making core soft to scratch. Locally very weakly magnetic. Gradational contacts. Minor mafic volc unit from 45.4-45.6m.	Mod fractured w minor meth flt splays w orange-green stain/weathering on fracture plane. 1% qz-cb veinlets. No visible min.	2	15cm minor mafic volc (2) intercalated with UM. Minor qz-cb stringers and no visible mineralization.							
F021329	45.4	45.7	0.005																	
F021331	45.7	46.4	0.005																	
F021332	46.4	47	0.009																	
F021333	47	48	0.005	47	57	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w abundant bt wisps. Locally very weakly magnetic. HZ from 55.3-55.5m w distorted texture. Mod-strong brittle fracturing/faulting from 49.8-51m w orange yellow on broken surfaces.	Rare Py speck at 55.2m. 3-4% qz-cb veining. Multiple minor meth flt splays w minor hem staining. Sharp LC.												
F021334	48	49	0.005																	
F021335	49	50	0.006																	
F021336	50	51	0.005																	
F021337	51	52	0.005																	
F021338	52	53	0.005																	
F021339	53	54	0.005																	
F021341	54	55	0.005																	
F021342	55	56	0.005																	
F021343	56	57	0.005																	
F021344	57	57.7	0.005	57	57.7	1	GG	FOL	Med grey-green possible ultramafic (1). Fg. Foliated to locally massive. Very weakly magnetic in spots. Softer than surrounding core (wk-mod talc/serp alt). 1% qz-cb veinlets. Rare Py speck at 57.5m in groundmass. Chl wisps, but no visible bt wisps.	Gradational LC.												
F021345	57.7	58.3	0.005	57.7	60	2	GG	FOL	Med-dark grey-green mafic volc (2). Fine grained. Well foliated w abundant bt wisps. Locally weakly magnetic. Minor fracturing. Minor scattered Po and Py specks, but nothing significant (<0.25%). 1-2% qz-cb veining. EOH.											
F021346	58.3	59	0.005																	
F021347	59	60	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	3.1	CASING														
	F021645	3.1	4	0.005	3.1	75	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-intense bt alt and localized chl-ser alt. Unit is weakly-moderately distorted/folded throughout and contains localized intense shear zones exhibiting attenuation and increased alteration.	Weak-mod faulting is present throughout the middle of the unit as well as localized methane splays. Intermittent 0.5-10cm distorted/folded qz/cb veining. Weakly magnetic. Localized 0.5% disseminated/wispy po min within alteration/strain/litho. EOH										
	F021646	4	5	0.005																	
5	F021647	5	6	0.005																	
	F021648	6	7	0.005																	
	F021649	7	8	0.005																	
	F021651	8	9	0.005																	
	F021652	9	10	0.005																	
10	F021653	10	11	0.005																	
	F021654	11	12	0.006																	
	F021655	12	12.5	0.005																	
	F021656	12.5	13.2	0.006																	
	F021657	13.2	14	0.005																	
	F021658	14	15	0.005																	
15	F021659	15	16	0.005																	
	F021661	16	17	0.005																	
	F021662	17	18	0.005																	
	F021663	18	19	0.005																	
	F021664	19	20	0.005																	
20	F021665	20	21	0.005																	
	F021666	21	22	0.005																	
	F021667	22	23	0.005																	
	F021668	23	24	0.005																	
	F021669	24	25	0.005																	
25	F021671	25	26	0.005																	
	F021672	26	27	0.005																	
	F021673	27	28	0.005																	
	F021674	28	29	0.005																	
	F021675	29	29.7	0.005																	
30	F021676	29.7	30.5	0.005																	
	F021677	30.5	31	0.005																	
	F021678	31	32	0.005																	
	F021679	32	33	0.005																	
	F021681	33	34	0.005																	
	F021682	34	35	0.005																	
35	F021683	35	36	0.005																	
	F021684	36	37	0.005																	
	F021685	37	38	0.005																	
	F021686	38	39	0.005																	
	F021687	39	40	0.005																	
	F021688	40	41	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F021688	40	41	0.005																	
	F021689	41	42	0.005																	
	F021691	42	43	0.005																	
	F021692	43	44	0.005																	
	F021693	44	45	0.005																	
45	F021694	45	46	0.005																	
	F021695	46	47	0.005																	
	F021696	47	48	0.005																	
	F021697	48	49	0.005																	
	F021698	49	50	0.005																	
50	F021699	50	51	0.005																	
	F021701	51	52	0.005																	
	F021702	52	52.9	0.005																	
	F021703	52.9	53.6	0.005																	
	F021704	53.6	54	0.005																	
	F021705	54	55	0.005																	
55	F021706	55	56	0.005																	
	F021707	56	56.7	0.005																	
	F021708	56.7	57.2	0.005																	
	F021709	57.2	57.8	0.005	3.1	75	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-intense bt alt and localized chl-ser alt. Unit is weakly-moderately distorted/folded throughout and contains localized intense shear zones exhibiting attenuation and increased alteration.	Weak-mod faulting is present throughout the middle of the unit as well as localized methane splays. Intermittent 0.5-10cm distorted/folded qz/cb veining. Weakly magnetic. Localized 0.5% disseminated/wispy po min within alteration/strain/litho. EOH										
	F021711	57.8	58.6	0.005																	
	F021712	58.6	58.9	0.005																	
	F021713	58.9	59.7	0.005																	
60	F021714	59.7	60.4	0.005																	
	F021715	60.4	61	0.005																	
	F021716	61	61.4	0.005																	
	F021717	61.4	62.4	0.006																	
	F021718	62.4	63.4	0.005																	
	F021719	63.4	64.4	0.005																	
65	F021721	64.4	65.4	0.126																	
	F021722	65.4	66.4	0.006																	
	F021723	66.4	67.4	0.006																	
	F021724	67.4	68.4	0.012																	
	F021725	68.4	69.4	0.006																	
	F021726	69.4	70.2	0.005																	
70	F021727	70.2	70.8	0.005																	
	F021728	70.8	71.4	0.006																	
	F021729	71.4	72	0.006																	
	F021731	72	73	0.006																	
	F021732	73	74	0.005																	
	F021733	74	75	0.007																	
75																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	9.1	CASING														
	F019893	9.1	9.8																		
	F019894	9.8	10.6																		
	F019895	10.6	11.3	0.33																	
10	F019896	11.3	11.8	0.43																	
	F019897	11.8	12.1	0.463	9.1	12.1	4B	G	BA	Dark grey-beige chert-mag BIF (4B). Aph. Thinly banded w locally wispy and folded bands. Strongly magnetic. 2-3% qz-cb veining w white-grey cal alt along margins. Patchy Po from tr-1% In both veining and groundmass. Local fracturing following fabric.	Gradational LC.										
	F019898	12.1	12.4	0.021																	
	F019899	12.4	13	0.376																	
	F019901	13	13.5	0.225	12.1	12.4	1	GG	FOL	Dark grey-green ultramafic (1). Nonmagnetic. Weak-mod talc/serp alt making core soft to scratch. Weakly foliated to locally distorted (near LC). Fine grained. 1-2% purple-grey qz-cb veining. No visible mineralization. Sharp LC.											
	F019902	13.5	14	0.005																	
	F019903	14	14.8	0.196	12.4	14.8	4B	G	BA	Dark grey and beige chert-mag BIF (4B). Aph. Thinly banded. Strongly magnetic. Weak fracturing following fabric throughout. Locally weakly folded. Minor meth flt splay at 14.4m. Tr patchy Po assoc w groundmass. No significant veining. Gradational LC.											
	F019904	14.8	15.5	0.009																	
	F019905	15.5	16.3	0.006																	
15	F019906	16.3	17.2	0.005																	
	F019907	17.2	17.6	0.009																	
	F019908	17.6	18.5	0.005	14.8	19.9	4A	BE	BA	Beige to locally dark grey chert-gru BIF (4A). Aph. Locally mag, towards UC & LC (grad). Thinly banded to wispy. Strong alt (gru?) from 16-19.9m. Sub-rounded qz eyes/nodules scattered in altered area. Tr patchy Po predominantly assoc w groundmass.	1% qz-cb veining. Minor UM dyke from 18.7-18.8m.					STR				Strong beige-yellow alt, possibly grunerite?
	F019909	18.5	18.8	0.005																	
	F019911	18.8	19.2	0.019								1	Minor ultramafic (1) intercalated w an altered 4A. Fine grained. Grey-green. Foliated. No visible min.								
	F019912	19.2	19.9	0.005																	
	F019913	19.9	20.4	0.005																	
20	F019914	20.4	21	0.01																	
	F019915	21	21.6	0.11	19.9	21.6	4B	G	BA	Beige-grey chert-gru BIF (4A). Aph. Moderately magnetic due to wk-mod mag bands still present. Wispy to weakly banded texture. 3-4% qz-cb veining w 1% Po. HZ through entire unit. Gradational LC.	HZ from 20.3-22.3m w distorted/wispy texture. Up to 1% sct Po in veining and groundmass. 1-2% qz-cb veining. Gradational LC.										
	F019916	21.6	21.9	0.067	21.6	21.9	4A	G	DIST	Dark grey chert-mag BIF (4B). Similar to 4B above. Aph. Strongly magnetic. Thinly banded w locally weak folding. Minor meth flt splay, and HZ from 21.6-22.3m. 1% qz-cb veinlets present. Tr Po assoc w groundmass. Sharp LC.											
	F019917	21.9	22.5	0.057	21.9	22.5	4B	G	BA												
	F019918	22.5	23.4	0.005																	
	F019919	23.4	24.4	0.007	22.5	24.4	1	GG	MA	Re-coded as UM by BR July 22, 2019. Dark grey-green mafic volc (2) or possible UM (1). Somewhat soft to scratch. Fine grained. Very weakly magnetic. Minor meth flt splays present between 22.7-24m. Mod patches of bt present.	Massive to weakly foliated. No significant veining or visible min. Sharp LC.		Minor chunk of mafic volc (2) or UM (1). Intercalated w 4B, Possible dyke thats ripped chunks of 4B off or folded contact.								
	F019921	24.4	25	0.005																	
	F019922	25	25.3	0.006																	
25	F019923	25.3	25.6	0.008							Contacts w mafic volc minor units are sharp & irregular/chaotic. Mod KF from 25.9-26.9m giving core dist look. 1% qz-cb veining. Tr-3% Po in groundmass or gru alt halos. HZ from 26.9-27.3m w dist/strange texture. Sharp & weakly irregular contact.	2	26cm mafic volc (2) or UM dyke (1) intercalated w 4B. Possible dyke or folded contact.									
	F019924	25.6	26.3	0.005	24.4	27.3	4B	G	DIST	Dark grey & beige chert-mag BIF (4B). Strongly magnetic. Aph. Distorted & folded textured. Multiple 'minor units' of mafic volc, may be a mafic or UM dyke intruding & ripping off chunks of 4B, or it's a folded contact & hole is intersecting folds.		2									
	F019925	26.3	26.7	0.006																	
	F019926	26.7	27.3	0.005																	
	F019927	27.3	28.3	0.1																	
	F019928	28.3	29.3	0.01	27.3	31.2	1	GG	FOL	Re-coded as UM by BR July 22, 2019. Dark grey-green mafic volc (2) or possible UM. Fine grained. Weakly foliated to massive in texture. Somewhat soft to scratch. Very weakly magnetic. Mod brittle fracturing. 1% minor qz-cb veinlets.	No visible mineralization. Sharp LC.										
30	F019929	29.3	30.3	0.009																	
	F019931	30.3	31.2	0.005																	
	F019932	31.2	32	0.018	31.2	32.6	4B	G	BA	Dark grey chert-mag BIF (4B) w marginal beige gru. Strongly magnetic. Aph. Thinly banded & mod folded. Mod KF at 32.3-32.6 (possible boudinage or book-shelfing along w knife faulting gives core very strange looking texture). 2-3% qz-cb veining.	No significant mineralization. Sharp LC.										
	F019933	32	32.6	0.005																	
	F019934	32.6	33.4	0.005																	
	F019935	33.4	34	0.391																	
	F019936	34	35	0.01	32.6	36.9	4A	G	BA	Med grey chert-gru BIF (4A). Wispy to weakly banded texture. Aph. Moderately magnetic. Locally folded. Mod sct discing, and brittle fracturing following fabric. 2-3% qz-cb veining. Tr-3% patchy Po assoc w veining and groundmass. Sharp LC.											
35	F019937	35	36	0.007																	
	F019938	36	36.6	0.005																	
	F019939	36.6	36.9	0.015						Dark grey ultramafic (1). Fg. Massive to weakly distorted in texture. Very weakly magnetic. Mod talc/serp alt making core soft to scratch. 1% qz-cb veinlets. No visible min. Local minor fracturing, and weak discing. Gradational and spun/ground LC.											
	F019941	36.9	37.5	0.013																	
	F019942	37.5	38	0.005	36.9	39	1	G	MA	Dark grey ultramafic (1) or possible mafic volc (2). Fine grained. Massive in texture. Not as soft as UM above, but still weakly soft. <1% qz-cb stringers. No visible mineralization. Core is more polished compared to units above and below.											
	F019943	38	39	0.032																	
	F019944	39	39.8	0.018	39	39.8	1	G	MA	Dark grey-green ultramafic (1) or possible mafic volc (2). Fine grained. Massive in texture. Wk talc/serp alt making core softish. Weakly magnetic. 1% irregular qz-cb stringers. No visible mineralization. Sharp LC.	Gradational LC.										
	F019945	39.8	40.8	0.008	39.8	42.3	1	GG	MA												
				0.026																	

19-KAZ-007

Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F019945	39.8	40.8	0.026	39.8	42.3	1	GG	MA	Dark grey-green ultramafic (1) or possible mafic volc (2). Fine grained. Massive in texture. Wk talc/serp alt making core softish. Weakly magnetic. 1% irregular qz-cb stringers. No visible mineralization. Sharp LC.											
F019946	40.8	41.8	0.032																	
F019947	41.8	42.3	0.035																	
F019948	42.3	43.2	0.15	42.3	44.1	4A	G	BA	Med grey chert-gru BIF (4A). Weakly-mod magnetic due to mod mag bands. Aph. Mod discing throughout. Weak meth flt splay at 43.5m. 3-5% qz-cb veining. Up to 1% Po seen in both groundmass and veining. Well banded w local waves/wisps. Gradational LC.											
F019949	43.2	44.1	0.183																	
F019951	44.1	45	0.094	44.1	51.6	4A	G	DIST	Med-dark grey chert-gru BIF (4A). Aph. Banded to wispy/dist in texture. Weakly to mod locally mag. HZ from 48.2-51.6m w wispy texture & abundant Po. 7-10% qz-cb veins. Tr-10% Po (5-10% Po in HZ). Difficult to distinguish chert bands & qz-cb veins in HZ.	Sharp LC. Mod specks and stringers of chl and some Po is assoc w chl stringers. Mod discing throughout.					WK					Weak-mod chl spots and stringers.
F019952	45	46	0.064																	
F019953	46	47	0.071																	
F019954	47	47.5	0.029																	
F019955	47.5	48.1	0.113																	
F019956	48.1	48.4	1.346																	
F019957	48.4	49	0.298																	
F019958	49	50	0.155																	
F019959	50	50.9	0.172																	
F019961	50.9	51.6	0.136																	
F019962	51.6	52.1	0.031	51.6	122.5	2	DG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated to locally massive. Nonmagnetic. Patches of mod-abundant bt wisps. 10% qz-cb veining seen in patches (SZ or HZ?). 0.5-3.5% Po localized to these qz-cb veined/HZ areas.	Minor weak meth flt splays sct throughout. Minor lcl discing. Local folding of foliation.										
F019963	52.1	52.5	0.018																	
F019964	52.5	52.9	0.044																	
F019965	52.9	53.7	0.03																	
F019966	53.7	54.3	0.017																	
F019967	54.3	55.1	0.013																	
F019968	55.1	56	0.006																	
F019969	56	57	0.009																	
F019971	57	58	0.013																	
F019972	58	59	0.007																	
F019973	59	60	0.009																	
F019974	60	61	0.008																	
F019975	61	62	0.006																	
F019976	62	63	0.01																	
F019977	63	64	0.006																	
F019978	64	65	0.006																	
F019979	65	66	0.009																	
F019981	66	67	0.01																	
F019982	67	68	0.005																	
F019983	68	69	0.005																	
F019984	69	70	0.005																	
F019985	70	71	0.005																	
F019986	71	72	0.005																	
F019987	72	72.6	0.019																	
F019988	72.6	73.6	0.005																	
F019989	73.6	74.6	0.007																	
F019991	74.6	75.6	0.01																	
F019992	75.6	76.6	0.005																	
F019993	76.6	77.6	0.005																	
F019994	77.6	78.6	0.054																	
F019995	78.6	79.6	0.012																	
F019996	79.6	80.6	0.017																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F019996	79.6	80.6	0.017	51.6	122.5	2	DG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated to locally massive. Nonmagnetic. Patches of mod-abundant bt wisps. 10% qz-cb veining seen in patches (SZ or HZ?). 0.5-3.5% Po localized to these qz-cb veined/HZ areas.	Minor weak meth flt splays sct throughout. Minor lcl discing. Local folding of foliation.										
	F019997	80.6	81.6	0.005																	
	F019998	81.6	82.6	0.005																	
	F019999	82.6	83.6	0.005																	
	F023501	83.6	84.6	0.005																	
85	F023502	84.6	85.6	0.005																	
	F023503	85.6	86.6	0.005																	
	F023504	86.6	87.6	0.011																	
	F023505	87.6	88	0.022																	
	F023506	88	88.6	0.011																	
	F023507	88.6	89.3	0.016																	
	F023508	89.3	89.9	0.009																	
90	F023509	89.9	90.9	0.01																	
	F023511	90.9	91.9	0.014																	
	F023512	91.9	92.9	0.012																	
	F023513	92.9	93.9	0.018																	
	F023514	93.9	94.8	0.009																	
95	F023515	94.8	95.1	0.03																	
	F023516	95.1	96	0.005																	
	F023517	96	97	0.005																	
	F023518	97	98	0.015																	
	F023519	98	99	0.031																	
	F023521	99	100	0.018																	
100	F023522	100	101	0.005																	
	F023523	101	102	0.025																	
	F023524	102	102.5	0.01																	
	F023525	102.5	103.2	0.041																	
	F023526	103.2	104.2	0.005																	
	F023527	104.2	105	0.014																	
105	F023528	105	106	0.005																	
	F023529	106	106.9	0.016																	
	F023531	106.9	107.2	0.005																	
	F023532	107.2	108	0.009																	
	F023533	108	109	0.019																	
	F023534	109	110	0.009																	
110	F023535	110	111	0.019																	
	F023536	111	112	0.01																	
	F023537	112	113	0.058																	
	F023538	113	114	0.005																	
	F023539	114	115	0.009																	
115	F023541	115	116	0.029																	
	F023542	116	117	0.009																	
	F023543	117	118	0.014																	
	F023544	118	119	0.028																	
	F023545	119	120	0.013																	
	F023546	120	121	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023546	120	121	0.005	51.6	122.5	2	DG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated to locally massive. Nonmagnetic. Patches of mod-abundant bt wisps. 10% qz-cb veining seen in patches (SZ or HZ?). 0.5-3.5% Po localized to these qz-cb veined/HZ areas.	Minor weak meth flt splays sct throughout. Minor lcl discing. Local folding of foliation.										
	F023547	121	122	0.005																	
	F023548	122	122.5	0.005																	
	F023549	122.5	123	0.005	122.5	167.5	2	LG	DIST	Light green, fg, mafic metavolcanic (2) moderately distorted, non-magnetic. Moderate patchy bt alteration, local chl alteration patches. Moderate HZ's/SZ's cause crack seal qz-cb stringers. Local s-folding and unclassified folding.	Patchy trace to 0.5% dis/blb po mineralization. Moderate shearing causing coarsening of amp crystals adjacent to LC. LC is sharp.										
	F023551	123	124	0.007																	
	F023552	124	125	0.006																	
125	F023553	125	126	0.005																	
	F023554	126	127	0.008																	
	F023555	127	128	0.006																	
	F023556	128	129	0.009																	
	F023557	129	130	0.005																	
130	F023558	130	131	0.005																	
	F023559	131	132	0.005																	
	F023561	132	133	0.005																	
	F023562	133	134	0.005																	
	F023563	134	135	0.005																	
135	F023564	135	136	0.005																	
	F023565	136	137	0.005																	
	F023566	137	138	0.005																	
	F023567	138	139	0.005																	
	F023568	139	140	0.007																	
140	F023569	140	141	0.005																	
	F023571	141	142	0.007																	
	F023572	142	143	0.005																	
	F023573	143	144	0.008																	
	F023574	144	145	0.005																	
145	F023575	145	146	0.012																	
	F023576	146	147	0.006																	
	F023577	147	148	0.005																	
	F023578	148	149	0.005																	
	F023579	149	150	0.006																	
150	F023581	150	150.3	0.009																	
	F023582	150.3	150.7	0.039																	
	F023583	150.7	151.4	0.005																	
	F023584	151.4	152	0.009																	
	F023585	152	153	0.006																	
	F023586	153	154	0.01																	
	F023587	154	155	0.245																	
155	F023588	155	156	0.012																	
	F023589	156	157	0.022																	
	F023591	157	158	0.009																	
	F023592	158	159	0.006																	
	F023593	159	160	0.005																	
	F023594	160	161	0.058																	

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F023594	160	161	0.058	122.5	167.5	2	LG	DIST	Light green, fg, mafic metavolcanic (2) moderately distorted, non-magnetic. Moderate patchy bt alteration, local chl alteration patches. Moderate HZ's/SZ's cause crack seal qz-cb stringers. Local s-folding and unclassified folding.	Patchy trace to 0.5% dis/blb po mineralization. Moderate shearing causing coarsening of amp crystals adjacent to LC. LC is sharp.										
F023595	161	162	0.005																	
F023596	162	163	0.005																	
F023597	163	164	0.005																	
F023598	164	165	0.011																	
F023599	165	166	0.025																	
F023601	166	167	0.007																	
F023602	167	167.5	0.021																	
F023603	167.5	167.9	0.005	167.5	168.2	4A	BE	DIST	Beige/light grey, aph, chert-gru BIF (4A) strongly distorted with little to no primary textures preserved. Unit is strongly sheared. No significant veining. 4% blebby po mineralization with minor po breccia from 168.1-LC hosting ~40% massive po	and cgr rounded qz clasts. LC is sharp.	4H									
F023604	167.9	168.2	0.019	168.2	168.9	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) cgr anhedral porph grts, mod magnetic. Moderate grunerite alt of green amp adjacent to UC. Unit is mod-strongly sheared throughout.	~4% interstitial and wispy po mineralization increasing towards LC. LC is irregular and sharp.										
F023605	168.2	168.9	0.191	168.9	171	1	G	MA	Pale grey, fgr ultramafic? (1) massive to weakly magnetic. Mod pervasive tlc alteration, easily scratchable, but not as soft as typical UM. Weak pervasive green amp causing greenish hue. No mineralization. EOH.											
F023606	168.9	169.5	0.009																	
F023607	169.5	170	0.008																	
F023608	170	171	0.006																	

Depth: 165, 170, 175, 180, 185, 190, 195

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	8.7	CASING														
					8.7	8.8	OVERBURDEN			granite/ syenite boulders											
10	F023609	8.8	9.5	0.005																	
	F023611	9.5	10.4	0.006																	
	F023612	10.4	10.8	0.044																	
	F023613	10.8	11.6	0.005																	
	F023614	11.6	12.5	0.005																	
	F023615	12.5	13.4	0.005																	
	F023616	13.4	14.3	0.006																	
15	F023617	14.3	15.2	0.02																	
	F023618	15.2	16.1	0.082																	
	F023619	16.1	17.1	0.015																	
	F023621	17.1	18.1	0.038																	
	F023622	18.1	18.4	0.013																	
	F023623	18.4	19.1	0.025																	
20	F023624	19.1	20.1	0.029																	
	F023625	20.1	21.1	0.033																	
	F023626	21.1	22.1	0.033																	
	F023627	22.1	23.1	0.005							increased where strain occurs. Any elevated percentage of po is typically associated w/ HZ/SZ's ranging from 1.5-8%. Local sericite/feldspar alteration patches @ 69.3 m. Minor mafic dyke @69.8m. LC is faulted.										
	F023628	23.1	23.8	0.01																	
	F023629	23.8	24.6	0.007	8.8	73	2	LG	DIST	Light green, fgr, mafic metavolcanic (2) mod-str distorted to mod foliated, non-magnetic. Weak pervasive green amp alteration, variable bt alteration abundance increasing where higher strain is encountered. Common qz-cb veining, also											
25	F023631	24.6	25.4	0.022																	
	F023632	25.4	26.4	0.005																	
	F023633	26.4	27	0.066																	
	F023634	27	28	0.016																	
	F023635	28	29	0.02																	
	F023636	29	30	0.005																	
30	F023637	30	31	0.017																	
	F023638	31	32	0.047																	
	F023639	32	33	0.005																	
	F023641	33	34	0.005																	
	F023642	34	35	0.011																	
35	F023643	35	36	0.006																	
	F023644	36	37	0.024																	
	F023645	37	38	0.006																	
	F023646	38	39	0.007																	
	F023647	39	39.7	0.102																	
	F023648	39.7	40.2	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023648	39.7	40.2	0.005																	
	F023649	40.2	40.9	0.005																	
	F023651	40.9	41.9	0.005																	
	F023652	41.9	42.7	0.005																	
	F023653	42.7	43.4	0.005																	
	F023654	43.4	44	0.005																	
	F023655	44	45	0.005																	
45	F023656	45	46	0.005																	
	F023657	46	47	0.005																	
	F023658	47	48	0.005																	
	F023659	48	49	0.005																	
	F023661	49	49.8	0.005																	
50	F023662	49.8	50.3	0.005																	
	F023663	50.3	50.6	0.005																	
	F023664	50.6	51	0.005																	
	F023665	51	52	0.005																	
	F023666	52	53	0.005																	
	F023667	53	54	0.005																	
	F023668	54	55	0.005																	
55	F023669	55	56	0.005																	
	F023671	56	57	0.005	8.8	73	2	LG	DIST	Light green, fgr, mafic metavolcanic (2) mod-str distorted to mod foliated, non-magnetic. Weak pervasive green amp alteration, variable bt alteration abundance increasing where higher strain is encountered. Common qz-cb veining, also	increased where strain occurs. Any elevated percentage of po is typically associated w/ HZ/SZ's ranging from 1.5-8%. Local sericite/feldspar alteration patches @ 69.3 m. Minor mafic dyke @69.8m. LC is faulted.										
	F023672	57	58	0.005																	
	F023673	58	59	0.007																	
	F023674	59	60	0.006																	
60	F023675	60	61	0.007																	
	F023676	61	62	0.005																	
	F023677	62	63	0.005																	
	F023678	63	64	0.005																	
	F023679	64	65	0.005																	
65	F023681	65	66	0.008																	
	F023682	66	67	0.009																	
	F023683	67	68	0.005																	
	F023684	68	69	0.016																	
	F023685	69	69.7	0.007																	
70	F023686	69.7	70	0.009								2K									
	F023687	70	71	0.005																	
	F023688	71	71.7	0.005																	
	F023689	71.7	72.1	0.008																	
	F023691	72.1	73	0.008																	
	F023692	73	73.3	0.029	73	73.3	2K	G	MA	Light grey, fgr, mafic dyke (2K) massive, non-magnetic. Absent of bt, no veining or mineralization. LC is sharp.											
	F023693	73.3	74	0.007																	
	F023694	74	75	0.009																	
75	F023695	75	76	0.006																	
	F023696	76	77	0.005	73.3	92.4	2	DG	DIST	Dark green, fgr, mafic metavolcanic (2) mod-str distorted, locally foliated, non-magnetic. Common irregular qz-cb stringers. Extensive HZ from 78.4-88.8m showing mottled chl + bt alt, and multiple fabric flips. Mod SZ from 91.4-91.8m showing str dist	and 9% wispy magnetic po; almost resembles bedding GROUNDMASS NOT MAGNETIC, SAME HARDNESS AS MAFICS. Mod tlc alt bleeding into unit adjacent to lc. Local trace po min. LC is sharp.										
	F023697	77	78	0.005																	
	F023698	78	79	0.164																	
	F023699	79	80	0.005																	
	F023701	80	81	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023701	80	81	0.005	73.3	92.4	2	DG	DIST	Dark green, fgr, mafic metavolcanic (2) mod-str distorted, locally foliated, non-magnetic. Common irregular qz-cb stringers. Extensive HZ from 78.4-88.8m showing mottled chl + bt alt, and multiple fabric flips. Mod SZ from 91.4-91.8m showing str dist	and 9% wispy magnetic po; almost resembles bedding GROUNDMASS NOT MAGNETIC, SAME HARDNESS AS MAFICS. Mod tlc alt bleeding into unit adjacent to lc. Local trace po min. LC is sharp.									
	F023702	81	82	0.005																	
	F023703	82	83	0.005																	
	F023704	83	84	0.005																	
	F023705	84	85	0.069																	
85	F023706	85	86	0.009																	
	F023707	86	87	0.005																	
	F023708	87	88	0.005																	
	F023709	88	89	0.005																	
	F023711	89	90	0.007																	
90	F023712	90	91	0.005																	
	F023713	91	91.4	0.006																	
	F023714	91.4	91.8	0.005																	
	F023715	91.8	92.4	0.005																	
	F023716	92.4	93	0.03	92.4	99.1	1	G	MA	Light grey, fgr, ultramafic (1) massive, non-magnetic. Strong pervasive tlc + srp alteration causing soft rock, no veining or mineralization present. LC is diffuse and marked where mod bt alt occurs.											
	F023717	93	94	0.018																	
	F023718	94	95	0.038																	
95	F023719	95	96	0.044																	
	F023721	96	97	0.012																	
	F023722	97	98	0.005																	
	F023723	98	98.6	0.005																	
	F023724	98.6	99.1	0.005																	
	F023725	99.1	100	0.005	99.1	110.2	2	G	MA	Light grey, fgr, mafic metavolcanic? (2) possible UM, massive to weakly foliated, non-magnetic. Weak tlc alt causing rock to scratch, but not as soft as overlying UM. On fresh faces tlc seems to be overprinting mafic groundmass.	Weak pervasive green amp. Local cb veining. No mineralization. LC is diffuse and marked where strong bt + amp alt occurs.									
100	F023726	100	101	0.005																	
	F023727	101	102	0.005																	
	F023728	102	103	0.005																	
	F023729	103	104	0.005																	
	F023731	104	105	0.005																	
105	F023732	105	106	0.005																	
	F023733	106	107	0.005																	
	F023734	107	108	0.007																	
	F023735	108	109	0.005																	
	F023736	109	109.7	0.006																	
	F023737	109.7	110.2	0.009																	
110	F023738	110.2	110.6	0.042	110.2	114.2	2	DG	FOL	Dark green, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Strong pervasive green amp, wispy bt alt, common qz-cb veining. Mod HZ from 110.6-112.1 m causing 0.75% dis py min. LC is sharp and irregular.											
	F023739	110.6	111.2	0.005																	
	F023741	111.2	111.9	0.01																	
	F023742	111.9	112.2	0.013																	
	F023743	112.2	113.2	0.008																	
	F023744	113.2	114.2	0.021																	
115	F023745	114.2	115.2	0.033	114.2	115.2	4A	GG	DIST	Dark greenish-grey, aph, chert-gru BIF? (4A) possibly slightly demagnetized 4B (through strain), strongly distorted, mod magnetic. Entire unit is strongly high strained causing mod cb flooding and controlling ~8% po, 1% py. LC is sharp.											
	F023746	115.2	116	0.01	115.2	135	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) weak-mod foliated to mod distorted, non-magnetic. Patchy local HZ's causing str dist and strong attenuated bands of bt, increased cb crack seal veining and local staurolite development in mafics.	Local trace to 1% blebby/disseminated po min. S- and z-folding observed. EOH.									
	F023747	116	117	0.024																	
	F023748	117	118	0.018																	
	F023749	118	119	0.016																	
	F023751	119	120	0.005																	
	F023752	120	121	0.006																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023752	120	121	0.006	115.2	135	2	GG	FOL	Light greenish-grey, fgr, mafic metavolcanic (2) weak-mod foliated to mod distorted, non-magnetic. Patchy local HZ's causing str dist and strong attenuated bands of bt, increased cb crack seal veining and local staurolite development in mafics.	Local trace to 1% blebby/disseminated po min. S- and z-folding observed. EOH.										
	F023753	121	121.7	0.005																	
	F023754	121.7	122	0.005																	
	F023755	122	123	0.018																	
	F023756	123	124	0.018																	
	F023757	124	125	0.016																	
125	F023758	125	126	0.008																	
	F023759	126	127	0.007																	
	F023761	127	128	0.005																	
	F023762	128	129	0.011																	
	F023763	129	130	0.005																	
130	F023764	130	131	0.006																	
	F023765	131	132	0.014																	
	F023766	132	133	0.018																	
	F023767	133	134	0.025																	
	F023768	134	135	0.026																	
135																					
140																					
145																					
150																					
155																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	8.2	CASING														
10	F023769	8.2	9	0.005	8.2	21	2	GG	DIST	Greenish-grey, fg, mafic metavolcanic (2) mod distorted and foliated, non-magnetic. Mod pervasive bt alteration. HZ causes thick irregular bands of bt and an increase in irregular qz-cb veining. Local vein and litho hosted po mineralization. LC is sharp.											
	F023771	9	10	0.007																	
	F023772	10	11	0.005																	
	F023773	11	12	0.005																	
	F023774	12	13	0.005																	
	F023775	13	14	0.005																	
	F023776	14	14.3	0.008																	
15	F023777	14.3	15	0.005																	
	F023778	15	16	0.005																	
	F023779	16	17	0.005																	
	F023781	17	18	0.005																	
	F023782	18	19	0.005																	
	F023783	19	20	0.005																	
20	F023784	20	21	0.005																	
	F023785	21	22	0.005	21	24.7	1	G	MA	Light grey, fg, ultramafic (1) massive to locally weakly foliated, non-magnetic. Mod pervasive tlc + srp alteration causing soft rock and soapy texture. No veining or mineralization. LC is diffuse.											
	F023786	22	23	0.005																	
	F023787	23	24	0.005																	
	F023788	24	24.7	0.005																	
25	F023789	24.7	25.3	0.005	24.7	31.3	2	LG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated to distorted, non-magnetic. Mod to str pervasive bt + amp alteration, increased where high strain zone occurs, strain zone also increases irregular qz-cb veining.	No visible mineralization. LC is sharp.										
	F023791	25.3	26	0.005																	
	F023792	26	27	0.005																	
	F023793	27	28	0.012																	
	F023794	28	29	0.005																	
	F023795	29	30	0.007																	
30	F023796	30	30.8	0.005																	
	F023797	30.8	31.3	0.005																	
	F023798	31.3	32.1	0.005	31.3	32.1	1	G	MA	Light grey, fg, ultramafic (1) massive, non-magnetic. Mod pervasive tlc alteration causing soapy texture and soft rock to scratch. No veining or mineralization. LC is sharp.											
	F023799	32.1	33	0.005	32.1	34.9	2	GG	DIST	Light greenish-grey, fg, mafic metavolcanic (2) mod-str distorted, non-magnetic. Weak cb microfractures throughout. SZ develops @ 34.1 m and continues through LC, causing str pervasive bt, silicification, and distortion of groundmass.	No visible mineralization. LC is sharp and irregular.										
	F023801	33	33.9	0.005																	
	F023802	33.9	34.9	0.008																	
35	F023803	34.9	35.3	0.03	34.9	43.4	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strongly distorted alternating bands and laminae, wk-mod magnetic. Str gru alteration of magnetite probably being increased through mod shear zone running through unit.	Common z-folding observed and fabric flips. Local trace blebs of po. LC is gradational.										
	F023804	35.3	36	0.005																	
	F023805	36	37	0.033																	
	F023806	37	38	0.014																	
	F023807	38	39	0.006																	
	F023808	39	40	0.082																	
	F023809	40	41	0.042																	

19-KAZ-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023809	40	41	0.042	34.9	43.4	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strongly distorted alternating bands and laminae, wk-mod magnetic. Str gru alteration of magnetite probably being increased through mod shear zone running through unit.	Common z-folding observed and fabric flips. Local trace blebs of po. LC is gradational.										
	F023811	41	42	0.006																	
	F023812	42	43	0.014																	
	F023813	43	43.4	0.011																	
	F023814	43.4	44	0.06	43.4	49.7	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) strongly distorted to planar alternating laminae, strongly magnetic. Local mod gru alt of magnetite. SZ seen in previous unit continues down to 48.3m. Abundant KF's associated w/ SZ.	HZ develops @ 49.3m causing strong distortion and an increase in gru alt grading downhole. NO significant sulphide min. LC is sharp.										
	F023815	44	45	0.055																	
45	F023816	45	46	0.031																	
	F023817	46	47	0.815																	
	F023818	47	48	0.221																	
	F023819	48	49	0.035																	
	F023821	49	49.7	0.404																	
50	F023822	49.7	50	0.022	49.7	50	2	G	DIST	Light grey, fg, mafic metavolcanic (2) mod distorted, non-magnetic, mod pervasive bt alteration and thin planar qz veins. No mineralization. LC is sharp.											
	F023823	50	51	0.018	50	52.1	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar alternating laminae, strongly magnetic. Mod gru alt develops adjacent to LC where HZ develops. No visible mineralization. LC is gradational.											
	F023824	51	51.5	0.016																	
	F023825	51.5	52.1	0.013																	
	F023826	52.1	53	0.005	52.1	55.6	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strongly distorted alternating laminae, moderately magnetic. Mod SZ causes distortion and probably reason for gru alt of magnetite. Local unmineralized qz flooding. No visible mineralization. LC is gradational.											
	F023827	53	54	0.005																	
	F023828	54	55	0.014																	
55	F023829	55	55.6	0.014																	
	F023831	55.6	56	0.032	55.6	58	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar to locally distorted alternating laminae, strongly magnetic. Wk gru alt adjacent to UC and decreasing in intensity grading downhole.	Local insignificant qz veins causing distortion of laminae, no visible mineralization. LC is sharp and irregular.										
	F023832	56	57	0.008																	
	F023833	57	58	0.007																	
	F023834	58	59	0.008	58	60.1	1	G	MA	Light grey, fg, ultramafic (1) massive to weakly foliated, non-magnetic. Mod-str pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. Local insignificant cb tension gashes. No mineralization. LC is diffuse.											
	F023835	59	59.5	0.007																	
60	F023836	59.5	60.1	0.005																	
	F023837	60.1	61	0.009	60.1	62	2	GG	MA	Dark greenish-grey, fg, mafic metavolcanic (2) massive to weakly foliated, non-magnetic. Wk pervasive bt, mod amp alteration. Weak qz-cb tension gashes. No mineralization. LC is sharp.											
	F023838	61	62	0.01																	
	F023839	62	62.5	0.018	62	63.1	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) strongly distorted alternating laminae, strongly magnetic. Entire unit is sheared with mod to strong patches of chl alteration (retrograde metamorphism?)	and causes the emplacement of 6% wispy and blebby po mineralization. Common z-folding present. LC is gradational.										
	F023841	62.5	63.1	0.342																	
	F023842	63.1	64	1.13	63.1	69.2	4A	BE	DIST	Beige/blue, aph, chert-gru BIF (4A) strongly distorted, wk-mod magnetic. Entire unit is strongly sheared causing intense silicification (increasing downhole) overprinting laminae and wk-mod brecciation of unit	(strongly resembles RDW Yzerman zone. Continuous 0.75-5% threaded and blebby po mineralization. LC is sharp.										
	F023843	64	64.5	0.314																	
65	F023844	64.5	65.4	0.068																	
	F023845	65.4	66.2	0.11																	
	F023846	66.2	67	0.233																	
	F023847	67	67.9	0.553																	
	F023848	67.9	68.6	0.038																	
	F023849	68.6	69.2	0.028																	
70	F023851	69.2	70	0.008	69.2	83.7	2	DG	MA	Dark green, fg, mafic metavolcanic (2) massive to weakly magnetic. Mod pervasive bt + amp alteration. Weak to mod qz-cb veining observed throughout and fg feldspar crystals disseminated locally; crack seal blebs/lapilli?	Trace disseminated/blebby po + py min throughout. LC is sharp										
	F023852	70	71	0.009																	
	F023853	71	72	0.009																	
	F023854	72	73	0.006																	
	F023855	73	74	0.006																	
	F023856	74	75	0.016																	
75	F023857	75	76	0.005																	
	F023858	76	77	0.007																	
	F023859	77	78	0.005																	
	F023861	78	79	0.006																	
	F023862	79	80	0.005																	
	F023863	80	81	0.005																	

19-KAZ-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F023863	80	81	0.005	69.2	83.7	2	DG	MA	Dark green, fg, mafic metavolcanic (2) massive to weakly magnetic. Mod pervasive bt + amp alteration. Weak to mod qz-cb veining observed throughout and fg feldspar crystals disseminated locally; crack seal blebs/lapilli?	Trace disseminated/blebby po + py min throughout. LC is sharp.										
	F023864	81	82	0.008																	
	F023865	82	83	0.005																	
	F023866	83	83.7	0.03																	
	F023867	83.7	84.1	0.023	83.7	84.1	6N	BK	DIST	Black, aph, argillite/mudstone (6N) moderately distorted, non-magnetic. Mod thin cb veining throughout. ~10% wispy/threaded po mineralization throughout unit. LC is sharp.											
	F023868	84.1	85	0.012	84.1	87	2	GG	DIST	Greenish-grey, fg, mafic metavolcanic (2) mod distorted to weakly foliated, non-magnetic. Mod HZ from 86-EOH causing strong silicification and ~6% strain controlled po + py + ccp mineralization. EOH.											
85	F023869	85	86	0.007																	
	F023871	86	87	0.032																	
90																					
95																					
100																					
105																					
110																					
115																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1472.7	Wedge hole no log														
25																					
30																					
35																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1472.7	Wedge hole no log														
65																					
70																					
75																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1472.7	Wedge hole no log														
105																					
110																					
115																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1472.7	Wedge hole no log														
145																					
150																					
155																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1472.7	Wedge hole no log														
185																					
190																					
195																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1472.7	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1472.7	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1472.7	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1472.7	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1472.7	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1472.7	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1472.7	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1472.7	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1472.7	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1472.7	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1472.7	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1472.7	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1472.7	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1472.7	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1472.7	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1472.7	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1472.7	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1472.7	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1472.7	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1472.7	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1472.7	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1472.7	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1472.7	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1472.7	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1472.7	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1472.7	Wedge hole no log														
1225																					
1230																					
1235																					
1240																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1472.7	Wedge hole no log														
1265																					
1270																					
1275																					
1280																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1472.7	Wedge hole no log														
1305																					
1310																					
1315																					
1320																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1472.7	Wedge hole no log														
1345																					
1350																					
1355																					
1360																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1472.7	Wedge hole no log														
1385																					
1390																					
1395																					
1400																					

19-NSD-001

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405																					
1410																					
1415																					
1420					0	1472.7	Wedge hole no log														
1425																					
1430																					
1435																					
1440																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445																					
1450																					
1455					0	1472.7	Wedge hole no log														
1460																					
1465																					
1470																					
1475					1472.7	1488.7	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, moderate visible mg white relict lapilli, zones of moderate strain, Cb veining and dark green Chl alt from 1482.5-1483m and 1486.9-1487.5m, one Po wisp, gradational LC.												
1480																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485					1472.7	1488.7	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, moderate visible mg white relict lapilli, zones of moderate strain, Cb veining and dark green Chl alt from 1482.5-1483m and 1486.9-1487.5m, one Po wisp, gradational LC.											
1490					1488.7	1505.9	6W	G	FOL	grey, fg garnetiferous metasediments (6W) non-magnetic, well foliated, mod porphyroblastic, 3-7% attenuated mg red grts in a metasedimentary matrix, weak methane splays at 1500.3 continuing into 3F below.	HZ 1491.5-1492.7m with ~10% Chl and ~10% Cb alt, Tr Po disseminations within HZ, gradational LC.										
1495																					
1500																					
1505																					
1510					1505.9	1512.4	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, local visible mg white relict lapilli, abundant bands of sericite alteration, weak methane splays cross-cutting fabric from unit above to 1507.7m, rare m.g red grts, no visible min,	sharp LC										
1515					1512.4	1515.7	2	GG	FOL	dark grey-green, fg mafic (possible dike?) non-magnetic, well foliated, 2-5% Cb stringers, Bt bands increasing in abundance towards diffuse LC, no visible min.											
1520					1515.7	1523.6	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, local visible attenuated mg white relict lapilli, abundant sericite bands, weak methane splays cross-cutting fabric from 1516m into 6W below, no visible min, gradational LC											

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1515.7	1523.6	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, local visible attenuated mg white relict lapilli, abundant sericite bands, weak methane splays cross-cutting fabric from 1516m into 6W below, no visible min, gradational LC											
1525					1523.6	1527.8	6W	G	FOL	grey, fg garnetiferous metasediments (6W) non-magnetic, well foliated, weak to mod porphyroblastic, 2-5% attenuated mg red grts with silica pressure shadows in a metasedimentary matrix, weak methane splays from 3F above down to 1526.7m,	weak bands of Chl alt, no visible min, gradational LC										
1530					1527.8	1552.2	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, visible attenuated mg white relict lapilli, abundant sericite bands, 3-5% grt porphyroblasts locally, weak methane splays cross-cutting fabric from 1540.3-1545m and 1551.3-1552.2m,	rare massive Qz veining, no visible min, gradational LC										
1535																					
1540																					
1545																					
1550																					
					1552.2	1555.2	6W	G	FOL	grey, fg garnetiferous metasediments (6W) non-magnetic, well foliated, mod porphyroblastic, 3-5% strongly attenuated mg red grts enclosed in silica pressure shadows in a metasedimentary matrix, mm scale methane splays cross cutting fabric,	no visible min, gradational LC										
1555					1555.2	1568	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, visible attenuated mg white relict lapilli, abundant sericite bands, abundant mm scale methane splays with pale green staining, Shear zone at 1564.1 to EOH with intense Cb alt destroying any	primary textures, no visible min. last block is at 1561.5m and is where drill got stuck on the wedge. EOH										
1560																					

19-NSD-001

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565					1555.2	1568	3F	G	FOL	grey, fg felsic lapilli tuff (3F) non-magnetic, well foliated, visible attenuated mg white relict lapilli, abundant sericite bands, abundant mm scale methane splays with pale green staining, Shear zone at 1564.1 to EOH with intense Cb alt destroying any	primary textures, no visible min. last block is at 1561.5m and is where drill got stuck on the wedge. EOH										
1570																					
1575																					
1580																					
1585																					
1590																					
1595																					
1600																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1397.3	Wedge hole no log														
25																					
30																					
35																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1397.3	Wedge hole no log														
65																					
70																					
75																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1397.3	Wedge hole no log														
105																					
110																					
115																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1397.3	Wedge hole no log														
145																					
150																					
155																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1397.3	Wedge hole no log														
185																					
190																					
195																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1397.3	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1397.3	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1397.3	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1397.3	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1397.3	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1397.3	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1397.3	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1397.3	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1397.3	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1397.3	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1397.3	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1397.3	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1397.3	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1397.3	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1397.3	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1397.3	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1397.3	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1397.3	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1397.3	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1397.3	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1397.3	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1397.3	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1397.3	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1397.3	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1397.3	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1397.3	Wedge hole no log														
1225																					
1230																					
1235																					
1240																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1397.3	Wedge hole no log														
1265																					
1270																					
1275																					
1280																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1397.3	Wedge hole no log														
1305																					
1310																					
1315																					
1320																					

19-NSD-002

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1397.3	Wedge hole no log														
1345																					
1350																					
1355																					
1360																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1397.3	Wedge hole no log														
1385																					
1390																					
1395																					
1400					1397.3	1416.9	3F	G	FOL	light grey, fg felsic lapilli tuff (3F) non-magnetic, mod to strongly foliated, abundant visible silicified white lapilli, majority of unit is moderately strained with abundant Cb veinlets and SZs at 1404.2-1405.1m and 1411 to 1415.8m with intense Cb	alteration destroying any primary textures. Intercalated 25cm poorly developed 4E at 1416.3m. localized Po wisps up to 1%. Gradational LC									

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	E949501	1403.2	1404.2	0.012	1397.3	1416.9	3F	G	FOL	light grey, fg felsic lapilli tuff (3F) non-magnetic, mod to strongly foliated, abundant visible silicified white lapilli, majority of unit is moderately strained with abundant Cb veinlets and SZs at 1404.2-1405.1m and 1411 to 1415.8m with intense Cb	alteration destroying any primary textures. Intercalated 25cm poorly developed 4E at 1416.3m. localized Po wisps up to 1%. Gradational LC										
	E949502	1404.2	1405.2	0.005																	
1405	E949503	1405.2	1405.6	0.041																	
	E949504	1405.6	1406.6	0.005																	
	E949505	1406.6	1407.6	0.008																	
1410																					
	E949506	1414.3	1415.3	0.005																	
1415	E949507	1415.3	1416.3	0.005																	
	E949508	1416.3	1416.6	0.008																	
	E949509	1416.6	1416.9	0.005																	
	E949511	1416.9	1417.8	0.009	1416.9	1421.1	6W	G	POR BL	grey, fg garnetiferous metasediments (6W) non-magnetic, well foliated, moderately porphyroblastic with 2-7% mg red grts, localized 1-2mm St porphyroblasts, ~5% grt-amp bands, Tr Po wisps and diss, gradational LC.											
	E949512	1417.8	1418.7	0.06																	
	E949513	1418.7	1419.6	0.023																	
1420	E949514	1419.6	1420.3	0.005																	
	E949515	1420.3	1421.1	0.013																	
	E949516	1421.1	1422.1	0.005	1421.1	1451.5	3F	G	FOL	light grey, fg felsic lapilli tuff (3F) non-magnetic, strongly foliated, abundant white mg lapilli, mod wispy Ser alt, weak methane splays from 1421.3-1425.4m and 1441.9-1444.1m, with strong Cb and opposite orientation to fabric from 1447.1-1451.2m,	Tr-0.5 Po wisps and disseminations, LC is sharp.										
	E949517	1422.1	1423.1	0.005																	
1425																					
1430																					
1435																					
1440																					

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445					1421.1	1451.5	3F	G	FOL	light grey, fg felsic lapilli tuff (3F) non-magnetic, strongly foliated, abundant white mg lapilli, mod wispy Ser alt, weak methane splays from 1421.3-1425.4m and 1441.9-1444.1m, with strong Cb and opposite orientation to fabric from 1447.1-1451.2m,	Tr-0.5 Po wisps and disseminations, LC is sharp.				STR						
1450																					
					1451.5	1453.5	2	DG	FOL	Dark green, fgr, mafic metavolcanic (2) well foliated, non-magnetic. Strong pervasive amp, mod pervasive bt. Planar carb veinlets throughout. No mineralization.											
1455					1453.5	1456.3				missing due to wedge											
					1456.3	1459.6	2	DG	FOL	Same unit as previous mafic, moderately strained with weak ser alteration, HZ causes weak brecciation of unit with sericite healing. Local qz tension gashes through HZ. No mineralization. LC is sharp.											
1460																					
1465					1459.6	1474.5	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to strong pervasive sericite alteration, fgr felsic lapilli throughout weakly attenuated along foliation axis, locally overprinted by stronger alteration.	Thin planar carb veinlets throughout. No visible mineralization.										
1470																					
1475					1474.5	1477.6				missing due to wedge											
					1477.6	1489.5	3F	G	FOL	Same unit as previous 3F. Moderate HZ causing strong carb flooding and wispy amp alteration. 10cm wide qz stringer @ 1880.3 m. No visible mineralization. LC is gradational.											
1480																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485					1477.6	1489.5	3F	G	FOL	Same unit as previous 3F. Moderate HZ causing strong carb flooding and wispy amp alteration. 10cm wide qz stringer @ 1880.3 m. No visible mineralization. LC is gradational.											
1490					1489.5	1498.5	6W	G	POR BL	Light grey/pink, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts attenuated along foliation axis, non-magnetic. Mod wispy bt alteration. Intercalated 3F beds throughout. Mod HZ causing distortion and strong wispy bt alt.	No mineralization.										
1495																					
					1498.5	1500				missing due to collar											
1500					1500	1501.3	6W	G	POR BL	Same unit as previous 6W, no mineralization. LC is gradational.											
1505					1501.3	1518.9	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Fgr <1mm wide siliceous lapilli weakly attenuated along foliation; locally overprinted by strong pervasive ser alt. Mod HZ from 1501.3-1501.8 m causing strong carb flooding.	No mineralization. LC is gradational.										
1510																					
1515																					
1520					1518.9	1526.7	6W	G	POR BL	Light grey/pink, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts (~10%) moderately attenuated along foliation axis, non-magnetic. Patchy weak green amp alt. Intercalated 3F beds throughout showing lapilli.	Planar qz veins throughout. No mineralization. LC is gradational.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525					1518.9	1526.7	6W	G	POR BL	Light grey/pink, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts (~10%) moderately attenuated along foliation axis, non-magnetic. Patchy weak green amp alt. Intercalated 3F beds throughout showing lapilli.	Planar qz veins throughout. No mineralization. LC is gradational.										
1530					1526.7	1534.3	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong pervasive sericite alteration. Weak methane fault splays cross cutting fabric with weak ser alt halos. No mineralization. LC is gradational.											
1535					1534.3	1536.8	6W	G	POR BL	Light grey/pink, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts attenuated along foliation axis, non-magnetic. Weak pervasive green amp alteration. Planar white qz veining, no visible mineralization. LC is gradational.											
1540					1536.8	1545.6	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic Fgr siliceous lapilli weakly attenuated along foliation axis, strong ser alt, patchy weak bt. Planar thin carb veinlets. No mineralization. LC is gradational.											
1545																					
1550					1545.6	1577.5	6W	G	POR BL	Light grey, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr porph grts attenuated along foliation axis, non-magnetic. Intercalated 3F throughout w/ lapilli. Mod HZ from 1546.6-1546.9 m with strong silicification and ser alt.	Weak methane splays throughout with weak ser halos cross cutting fabric. Mod white qz veining from 1559.6-1576.9. No mineralization. LC is gradational.										
1555																					
1560																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565																					
1570					1545.6	1577.5	6W	G	POR BL	Light grey, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr porph grts attenuated along foliation axis, non-magnetic. Intercalated 3F throughout w/ lapilli. Mod HZ from 1546.6-1546.9 m with strong silicification and ser alt.	Weak methane splays throughout with weak ser halos cross cutting fabric. Mod white qz veining from 1559.6-1576.9. No mineralization. LC is gradational.										
1575																					
1580					1577.5	1585.6	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong ser alteration of groundmass, intercalated grt-bearing metaseds. Weak methane splays adjacent to LC. Fgr lapilli observed through unit. No mineralization. LC is gradational.										
1585																					
1590					1585.6	1598.8	6W	G	POR BL	Light grey, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts attenuated along foliation, non-magnetic. Strong sericite alteration. Weak to moderate methane faulting w/ strong ser halos, cross-cutting fabric.	Intercalated 3F bands throughout. No mineralization. LC is gradational.										
1595																					
1600					1598.8	1631.4	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong pervasive/banded sericite alteration, fgr siliceous lapilli throughout. Intense HZ from UC-1601m causing intense carb flooding. Weak local methane splays cross cutting fabric.	No mineralization. LC is sharp.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605																					
1610																					
1615					1598.8	1631.4	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong pervasive/banded sericite alteration, fgr siliceous lapilli throughout. Intense HZ from UC-1601m causing intense carb flooding. Weak local methane splays cross cutting fabric.	No mineralization. LC is sharp.										
1620																					
1625																					
1630																					
					1631.4	1632.6	1	G	FOL	Light grey, fgr, intrusive ultramafic (1) weakly foliated to massive, mod magnetic. Strong pervasive tlc + srp alt. Weak green amp alteration. No veining or mineralization. LC is sharp.										
					1632.6	1633.3	3F	G	DIST	Light grey, fgr, felsic lapilli tuff (3F) weakly foliated mod distorted, non-magnetic. Strongly silicified, mod banded ser alt. No veining or mineralization. LC is sharp and irregular.										
1635																					
					1633.3	1644.4	1	G	FOL	Light grey, fgr, intrusive ultramafic (1) weak to mod foliated, locally distorted, mod magnetic. Mod to strong pervasive tlc alteration causing soapy texture. Local patches of mod green amp alteration. No veining or mineralization. LC is sharp.										
1640																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1633.3	1644.4	1	G	FOL	Light grey, fgr, intrusive ultramafic (1) weak to mod foliated, locally distorted, mod magnetic. Mod to strong pervasive tlc alteration causing soapy texture. Local patches of mod green amp alteration. No veining or mineralization. LC is sharp.											
1645					1644.4	1648.5	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, moderately distorted, non-magnetic. Strong pervasive sericitization. Weak tlc alt bleeding into unit from overlying UM. Mod HZ from 1644.4-1645.3 m causing strong white qz flooding. Local blebby po											
1650					1648.5	1651.4				missing due to wedge											
1655																					
1660																					
1665					1651.4	1680.7	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to strong pervasive sericite alteration generally overprinting lapilli, weakly altered patches show fgr siliceous lapilli through unit.	Weak methane splaying w/ mod-strong ser alt halos. Planar qz/carb veinlets throughout. No visible mineralization. LC is gradational.										
1670																					
1675																					
1680											From 1682.7 to 1690.5 1-2% PY with lesser abundances of PO. Sulphides occur as fine foliation parallel wisps and fine to medium grained blebs.											
	F054501	1681	1682	0.005	1680.7	1698.6	6W	G	POR BL	Light grey/pink, fgr groundmass, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts weakly attenuated along foliation. Local weak microfractures shallowly x-cutting fabric w/ weak ser alt halos; weak methane splays.											

19-NSD-002

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F054501	1681	1682	0.005	1680.7	1698.6	6W	G	POR BL	Light grey/pink, fgr groundmass, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts weakly attenuated along foliation. Local weak microfractures shallowly x-cutting fabric w/ weak ser alt halos; weak methane splays.	From 1682.7 to 1690.5 1-2% PY with lesser abundances of PO. Sulphides occur as fine foliation parallel wisps and fine to medium grained blebs.										
	F054502	1682	1682.6	0.005																	
	F054503	1682.6	1683.2	0.013																	
	F054504	1683.2	1683.5	0.018																	
1685	F054505	1683.5	1684.5	0.006																	
	F054506	1684.5	1684.9	0.007																	
	F054507	1684.8	1685.6	0.009																	
	F054508	1685.6	1686.6	0.005																	
	F054509	1686.6	1687.5	0.005																	
	F054511	1687.5	1687.9	0.032																	
	F054512	1687.9	1688.2	0.005																	
	F054513	1688.2	1688.9	0.005																	
1690	F054514	1688.9	1689.6	0.005																	
	F054515	1689.6	1690.3	0.005																	
	F054516	1690.3	1690.9	0.005																	
	F054517	1690.9	1691.8	0.005																	
	F054518	1691.8	1692.8	0.005																	
	F054519	1692.8	1693.8	0.005																	
	F054521	1693.8	1694.8	0.005																	
1695	F054522	1694.8	1695.8	0.005																	
	F054523	1695.8	1696.8	0.005																	
	F054524	1696.8	1697.8	0.013																	
	F054525	1697.8	1698.6	0.195																	
	F054526	1698.6	1699.6	0.081	1698.6	1700.9	4F	B	POR BL	porphyroblastic biotite garnet schist. homogeneously distributed fine to medium grained subhedral garnets set in a fine grained groundmass of black biotite. sparse 1cm beds of 4E. which betray internal folding throughout the unit. rare qtz boudins.											
1700	F054527	1699.6	1700.3	0.074																	
	F054528	1700.3	1700.9	0.323																	
	F054529	1700.9	1701.3	0.334	1700.9	1705.4	4E	DG	FOL	highly strained "quartz pebble" 4E. the unit contains significant modal abundances of fine to coarse grained subrounded qtz clasts interpreted to be intensely boudinaged veins or chert beds. strain textures prograde from the margins towards the center	of the unit. localized and variable abundances of PO occur commonly throughout. local abundances range from 5-20% by mode. PO typically occurs as fine foliation parallel wisps. and less commonly stringers.										
	F054531	1701.3	1701.6	0.847																	
	F054532	1701.6	1702.6	0.224																	
	F054533	1702.6	1703.3	0.017																	
	F054534	1703.3	1703.8	0.008																	
	F054535	1703.8	1704.8	0.012																	
1705	F054536	1704.8	1705.4	0.018																	
	F054537	1705.4	1705.8	0.051	1705.4	1709	4EF	DG	POR BL	alternating 5-20cm intervals of 4E and 4F. 7-15% modal abundances of PO present within 4E beds as fine wisps. and stringers. 4E beds are densely crosscut by grey, foliation parallel, 1-2cm wide qtz veins which display PO selvedges.											
	F054538	1705.8	1706.3	18.6																	
	F054539	1706.3	1706.6	7.23																	
	F054541	1706.6	1707.4	7.3																	
	F054542	1707.4	1707.7	0.152																	
	F054543	1707.7	1708.2	0.054																	
	F054544	1708.2	1709	55.8	1709	1710.8	4F	B	POR BL	medium grained anhedral to subhedral garnet porphyroblasts set in a fine grained groundmass dominantly composed of foliated black biotite with lesser white mica. sparse wisps and disseminations of PO associated with sparse 1-3cm intercalated beds of 4E.											
1710	F054545	1709	1709.5	2.81																	
	F054546	1709.5	1709.8	0.121																	
	F054547	1709.8	1710.8	0.337	1710.8	1713.8	4E	DG	POR BL	heterogeneously distributed, subhedral garnets set in a fine grained, dark green groundmass of amphibole. sparse intercalated beds of 4F, 2-5cm wide. garnet density may be up to aggregate texture. localized 5-15% modal abundances of PO. greatest	PO abundances occur as interstitial precipitations between aggregate garnet grains. 1-5 foliation parallel qtz veins 1-2cm wide. veins typically display PO stringers along selvedges.										
	F054548	1710.8	1711.3	4.51																	
	F054549	1711.3	1711.8	5.49																	
	F054551	1711.8	1712.6	17.3																	
	F054552	1712.6	1713.3	5.91																	
	F054553	1713.3	1713.9	0.31	1713.8	1716.4	4F	B	POR BL	medium to coarse grained anhedral to subhedral garnets set in a fine grained moderately foliated groundmass of biotite with minor staurolite. trace wisps of PO. sparse coarse, subrounded fragments of Quartz interpreted to be boudinaged veins.											
1715	F054554	1713.8	1714.2	1.2																	
	F054555	1714.2	1715	0.133																	
	F054556	1715	1715.7	0.692																	
	F054557	1715.7	1716.4	0.01	1716.4	1718.7		B	FOL	Fine grained, weakly to moderately foliated, dominantly composed of biotite with lesser quartz and amphibole. sparse foliation parallel carbonate veinlets. no mineralization.											
	F054558	1716.4	1717.2	0.021																	
	F054559	1717.2	1717.9	0.022																	
	F054561	1717.9	1718.7	0.035																	
1720	F054562	1718.7	1719.7	0.013	1718.7	1730.7	2	DG	FOL	Fine grained, dark green, mafic metavolcanic unit. strongly foliated, weakly biotite altered. rare foliation parallel qtz veins with carbonate selvedges. no mineralization. sparse garnet porphyroblasts in the uppermost 6m. and immediately adjacent to the	lower contact.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1725					1718.7	1730.7	2	DG	FOL	Fine grained, dark green, mafic metavolcanic unit. strongly foliated. weakly biotite altered. rare foliation parallel qtz veins with carbonate selvedges. no mineralization. sparse garnet porphyroblasts in the uppermost 6m. and immediately adjacent to the	lower contact.										
	F054563	1728.7	1729.7	0.018																	
1730	F054564	1729.7	1730.7	0.007																	
	F054565	1730.7	1731.3	0.014	1730.7	1732	4F	B	POR BL	Medium to coarse grained garnets set in a fine grained groundmass of weakly foliated black biotite. 1-2cm 4E beds present at a frequency of 1-2 per meter. 4E beds contain fine disseminations of PO in trace abundances.											
	F054566	1731.3	1732	0.005																	
	F054567	1732	1733	0.005	1732	1742.9	4E	DG	POR BL	massive fine grained dark green amphibole, weakly to moderately foliated. garnet porphyroblasts are present throughout in increasing abundances downhole. Garnet abundances range from 2% at the upper contact to approx. 40% at the lower. highly strained in	lowermost meter featuring a 25% abundance of fine to coarse grained, subrounded qtz fragments interpreted to be boudinaged veins or chert beds. sparse local abundances of disseminated PO. 1-5 qtz. carb veins per meter, parallel to foliation.										
	F054568	1733	1734	0.008																	
	F054569	1734	1735	0.005																	
1735	F054571	1735	1736	0.007																	
	F054572	1736	1737	0.005																	
	F054573	1737	1738	0.005																	
	F054574	1738	1739	0.015																	
	F054575	1739	1740	0.007																	
1740	F054576	1740	1740.3	0.005																	
	F054577	1740.3	1740.8	0.025																	
	F054578	1740.6	1741.5	0.224																	
	F054579	1741.5	1741.8	0.013																	
	F054581	1741.8	1742.4	0.017																	
	F054582	1742.4	1742.9	0.011																	
	F054583	1742.9	1743.2	0.028	1742.9	1748.4	4F	B	POR BL	Porphyroblastic biotite garnet schist. 5-10 foliation parallel qtz veinlets per meter, veins are occasionally tightly folded. rare localized abundances of disseminated PO. gradational lower contact. fine to medium grained, anhedral to subhedral garnets.	strong foliation. notable staurolite component in the biotite groundmass.										
	F054584	1743.2	1743.5	0.128																	
	F054585	1743.5	1744.5	0.026																	
1745	F054586	1744.5	1745.5	0.034																	
	F054587	1745.5	1746.5	0.015																	
	F054588	1746.5	1747.5	0.012																	
	F054589	1747.5	1748.4	0.005																	
	F054591	1748.4	1749.1	0.011	1748.4	1749.1	4E	DG	DIST	strongly distorted garnet amphibole IF. intensely boudinaged chert beds, sparse traces of PO occurring as fine wisps and disseminations. heterogeneous distribution of garnets.											
	F054592	1749.1	1749.6	0.009	1749.1	1750.2	4F	B	POR BL	50-55% fine to medium grained garnets set in a fine grained, weakly foliated groundmass of black biotite. garnets are homogeneously distributed throughout the unit.											
1750	F054593	1749.6	1750.2	0.006																	
	F054594	1750.2	1751.2	0.005	1750.2	1785.2	3F	G	FOL	leucocratic grey felsic lapilli tuff. relict lapilli are abundant throughout as fine grained, weakly attenuated, white clasts. the unit is strongly altered to sericite or another white mica. there is a strong pervasive foliation. fine to medium blebs of	PY are occasionally observed. 1-2% garnets. garnets often feature silica filled pressure shadows. fine methane fault splays occur sparsely throughout.										
	F054595	1751.2	1752.2	0.005																	
	F054596	1752.2	1753.2	0.005																	
1755																					
1760																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1765																					
1770																					
1775					1750.2	1785.2	3F	G	FOL	leucocratic grey felsic lapilli tuff. relict lapilli are abundant throughout as fine grained, weakly attenuated, white clasts. the unit is strongly altered to sericite or another white mica. there is a strong pervasive foliation. fine to medium blebs of	PY are occasionally observed. 1-2% garnets. garnets often feature silica filled pressure shadows. fine methane fault splays occur sparsely throughout.										
1780																					
	F054597	1783.2	1784.2	0.005																	
	F054598	1784.2	1785.2	0.008																	
1785	F054599	1785.2	1786.2	0.019																	
	F054601	1786.2	1787.2	0.04																	
	F054602	1787.2	1787.8	2.83																	
	F054603	1787.8	1788.1	0.199	1785.2	1789.5	4F	B	POR BL	40% fine to medium grained, anhedral to subhedral, pink garnets set in a strongly foliated, fine grained, groundmass of black biotite with minor components of a white mica. downhole of 1788.1 the lower contact is crosscut by a moderate shear zone which	is marked by an intensification of the fabric. innumerable foliation parallel qtz veinlets, and localized abundances of PO. Veinlets are commonly boudinaged. po typically occurs as fine stringers along veinlet selvedges.										
	F054604	1788.1	1788.5	8.44																	
	F054605	1788.5	1788.9	3.89																	
	F054606	1788.9	1789.5	0.844																	
1790	F054607	1789.5	1790	0.028																	
	F054608	1790	1791	3.58																	
	F054609	1791	1792	0.015																	
1795					1789.5	1800.4	2	DG	FOL	Fine grained, well foliated, mafic metavolcanic unit. the upper contact is crosscut by a moderate shear zone to a depth of 1790. the zone is marked by a large abundance of carb and qtz veins as well as intense biotite alteration. overall the unit is	strongly chlorite altered which imparts a notable softness compared to typical metavolcanic units1-5 white carbonate veins and veinlets are present throughout subparallel to the fabric.					MOD					
1800					1800.4	1805.3		B	FOL	fine grained, mesocratic brown, clastic metasediment. pervasive carbonate alteration. 10-20 carbonate veins and veinlets per meter dominantly subparallel to the foliation the composition is dominated by biotite and quartz.	strongly to intensely foliated. rare garnets porphyroblasts. gradational lower contact.				STR						

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F054611	1803.3	1804.3	0.011	1800.4	1805.3		B	FOL	fine grained, mesocratic brown, clastic metasediment. pervasive carbonate alteration. 10-20 carbonate veins and veinlets per meter dominantly subparallel to the foliation the composition is dominated by biotite and quartz.	strongly to intensely foliated. rare garnets porphyroblasts. gradational lower contact.				STR						
	F054612	1804.3	1805.3	0.011																	
1805	F054613	1805.3	1806.3	0.013	1805.3	1807.7	4F	B	POR BL	20% medium to coarse grained anhedral to subhedral garnets set in a fine grained, weakly foliated groundmass composed of approximately equal parts biotite and buff colored staurolite. rare wisps of PO. adjacent to lower contact. 1-5 foliation parallel	grey qtz veins per meter.										
	F054614	1806.3	1807.1	0.005																	
	F054615	1807.1	1807.7	0.013																	
	F054616	1807.7	1808	0.011																	
	F054617	1808	1808.3	0.009	1807.7	1808.6	4E	DG	POR BL	unit of dark green amphibole with abundant chert beds adjacent to the upper contact. 20% abundance of anhedral medium to coarse garnets localized abundances of disseminated and blebby PO within 15 cm of each contact. garnets are strongly attenuated	to the foliation.										
	F054618	1808.3	1808.6	0.007																	
	F054619	1808.6	1809.6	0.007	1808.6	1816.1	2	GG	FOL	Fine grained, well foliated, mafic metavolcanic unit. overall the unit is moderately to strongly chlorite altered imparting a notable softness on the unit. intense shear from 1810.2 to 1815.9 may possibly be a clastic metasedimentary unit.	it is marked by intense carbonate alteration and veining. 10% abundance of anhedral garnet, and biotite alteration.					STR					
1810	F054621	1809.6	1810.2	0.006										STR	STR	MOD					
	F054622	1810.2	1811.2	0.005																	
	F054623	1811.2	1812.2	0.005																	
	F054624	1812.2	1813.2	0.095																	
	F054625	1813.2	1814.2	0.486																	
	F054626	1814.2	1814.9	0.008																	
1815	F054627	1814.9	1815.6	0.007																	
	F054628	1815.6	1816.1	0.01									garnetiferous, between intense shear zone and NIF								
	F054629	1816.1	1817	3.81	1816.1	1829.5	4EA	DG	BA	Chert, grunerite, garnet banded Iron formation. Alternating beds of chert and dense garnets bound by interstitial grunerite, PO and lesser green amphibole. banding is dominantly planar with fold closures observed sparsely. PO abundances range from	5-15% two specs of VG are observed both occurring within fractures garnets. 5-10 qtz grey 1-5cm wide qtz veins per meter veining in notably intensified in lowermost 3 meters. PO additionally occurs as vein related stringers. compositional beds are 5-25mm										
	F054631	1817	1817.5	2.14																	
	F054632	1817.5	1818.2	29.1																	
	F054633	1818.2	1818.6	28.1																	
	F054634	1818.6	1819.2	28.4																	
	F054635	1819.2	1819.9	22.6																	
1820	F054636	1819.9	1820.8	25.4																	
	F054637	1820.8	1821.3	21.5																	
	F054638	1821.3	1822.1	8.16																	
	F054639	1822.1	1823.1	11.2																	
	F054641	1823.1	1824	7.85																	
	F054642	1824	1824.7	9.78																	
1825	F054643	1824.7	1825.5	1																	
	F054644	1825.5	1826.1	2.9																	
	F054645	1826.1	1827.1	34.3																	
	F054646	1827.1	1828.1	24.8						chert, magnetite, biotite-garnet banded iron formation. compositional bands are planar in the upper half and weakly to moderately folded in the lower half of the unit. compositional beds are 2-10mm in width and highly regular. garnet grains are fin										
	F054647	1828.1	1828.8	12.3																	
	F054648	1828.8	1829.5	18.1																	
1830	F054649	1829.5	1830	0.161	1829.5	1830.7	4BF	G	BA	chert magnetite banded iron formation. compositional beds are 1-5mm wide and weakly deformed to planar. 1-5 banding parallel qtz veins per meter, veins are typically 1cm. no mineralization	grained and subhedral to euhedral.										
	F054651	1830	1830.7	0.03																	
	F054652	1830.7	1831.3	0.015	1830.7	1831.3	4B	G	BA	chert, magnetite, biotite-garnet banded iron formation. compositional bands are planar to weakly deformed. compositional beds are 2-10mm in width and highly regular. garnet grains are fine grained and subhedral.											
	F054653	1831.3	1832.2	0.02	1831.3	1832.2	4BF	G	BA												
	F054654	1832.2	1833.2	0.739	1832.2	1834.2	4B	G	BA	chert magnetite banded iron formation. compositional beds are 1-5mm wide and weakly deformed to planar. 5-10 banding parallel qtz veins per meter, veins are typically 1cm. rare po stringers proximal to veins											
	F054655	1833.2	1834.2	0.062																	
1835	F054656	1834.2	1835.2	0.047	1834.2	1835.2	4EA	G	BA	very poorly developed unmineralized 4ea. alternating 1-2.5cm beds of chert and aggregate garnets bound by interstitial grunerite and lesser biotite. strong brittle faulting in lowermost 20cm. bands are dominantly planar to weakly deformed.	tough call others may interpret as 4BF										
	F054657	1835.2	1836	0.771	1835.2	1858.7	4B	G	BA	Chert-magnetite banded iron formation 5-15mm wide compositional beds are dominantly planar. chert beds occasionally display weak to moderate boudinage. fold closures are rare. orientation of bedding is inconsistent. a few highly localized occurrences of	Pyrrhotite mineralization associated with 3-5cm wide banding parallel qtz veins. veins are present at a frequency of 0.5 per meter.										
	F054658	1836	1837	0.018																	
	F054659	1837	1838	0.005																	
	F054661	1838	1839	0.034																	
	F054662	1839	1840	0.008																	
1840	F054663	1840	1840.7	0.005																	
	F054664	1840.7	1841	0.038																	
	F054665	1841	1842	0.054																	
	F054666	1842	1843	0.081																	

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1540.9	Wedge hole no log														
25																					
30																					
35																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1540.9	Wedge hole no log														
65																					
70																					
75																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1540.9	Wedge hole no log														
105																					
110																					
115																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1540.9	Wedge hole no log														
145																					
150																					
155																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1540.9	Wedge hole no log														
185																					
190																					
195																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1540.9	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1540.9	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1540.9	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1540.9	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1540.9	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1540.9	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1540.9	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1540.9	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1540.9	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1540.9	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1540.9	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1540.9	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1540.9	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1540.9	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1540.9	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1540.9	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1540.9	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1540.9	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1540.9	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1540.9	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1540.9	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1540.9	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1540.9	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1540.9	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1540.9	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1540.9	Wedge hole no log														
1225																					
1230																					
1235																					
1240																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1540.9	Wedge hole no log														
1265																					
1270																					
1275																					
1280																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1540.9	Wedge hole no log														
1305																					
1310																					
1315																					
1320																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1540.9	Wedge hole no log														
1345																					
1350																					
1355																					
1360																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1540.9	Wedge hole no log														
1385																					
1390																					
1395																					
1400																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405																					
1410																					
1415																					
1420					0	1540.9	Wedge hole no log														
1425																					
1430																					
1435																					
1440																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445																					
1450																					
1455																					
1460					0	1540.9	Wedge hole no log														
1465																					
1470																					
1475																					
1480																					

19-NSD-003

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485																					
1490																					
1495																					
1500					0	1540.9	Wedge hole no log														
1505																					
1510																					
1515																					
1520																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525																					
1530					0	1540.9	Wedge hole no log														
1535																					
1540																					
1545					1540.9	1551.8	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic, Strong banded sericite alteration, fgr siliceous lapilli weakly attenuated along foliation axis throughout, minor intercalated grt-bearing seds.	Weak planar qz-carb veinlets sub-parallel to foliation. No mineralization. LC is gradational.										
1550																					
1555					1551.8	1561.8	6W	G	FOL	Light grey, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr porph anhedral grts moderately attenuated along foliation. Weak planar qz-carb veinlets throughout unit. No mineralization. LC is gradational.											
1560																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565					1551.8	1561.8	6W	G	FOL	Light grey, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr porph anhedral grts moderately attenuated along foliation. Weak planar qz-carb veinlets throughout unit. No mineralization. LC is gradational.											
1570																					
1575					1561.8	1585.6	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong to intense sericite alteration throughout unit. Fgr siliceous lapilli attenuated along foliation throughout. White qz vein set from 1573.6-1576.4 m.	Local thick muscovite books. Local Hz causing strong carb flooding. No mineralization. LC is gradational.										
1580																					
1585					1585.6	1587.6	6W	G	POR BL	Light grey, fgr, grt-bearing metasediment (6W) well foliated, fgr-mgr anhedral porph grts strongly attenuated along foliation. Local qz boudins observed. No mineralization. LC is gradational.											
1590																					
1595					1587.6	1629.4	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Fgr siliceous lapilli attenuated along foliation throughout. Mod to strong pervasive ser alteration. Intercalated grt-bearing seds throughout.	Patchy mod HZ's showing strong qz-carb flooding, wk-mod local methane splays w/ strong ser alt. No mineralization. LC is sharp.										
1600																					

19-NSD-003

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605																					
1610																					
1615					1587.6	1629.4	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Fgr siliceous lapilli attenuated along foliation throughout. Mod to strong pervasive ser alteration. Intercalated grt-bearing seds throughout.	Patchy mod HZ's showing strong qz-carb flooding, wk-mod local methane splays w/ strong ser alt. No mineralization. LC is sharp.										
1620																					
1625																					
1630					1629.4	1634.3	1	G	FOL	Light grey, fgr, intrusive ultramafic (1) moderately foliated, mod magnetic. Mod-strong pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. No veining or mineralization. LC is sharp.										
1635					1634.3	1637.7	3F	G	FOL	Dark grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic. Local siliceous lapilli observed through unit, mod ser alteration. Weak white qz veining. No mineralization. LC is sharp.										
1640					1637.7	1643	1	G	FOL	Light grey, fgr, intrusive ultramafic (1) well foliated, mod magnetic. Mod to strong pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. No veining or mineralization. LC is sharp.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1637.7	1643	1	G	FOL	Light grey, fgr, intrusive ultramafic (1) well foliated, mod magnetic. Mod to strong pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. No veining or mineralization. LC is sharp.											
1645																					
1650																					
					1643	1665	3F	G	FOL	Light grey, fgr, felsic lapilli tuff (3F) well foliated, non-magnetic, Mod to strong banded sericite alteration. Fgr siliceous lapilli scattered throughout unit. Weak to moderate methane faulting throughout showing weak to strong sericite alteration	halos and locally weak hematite staining.										
1655																					
1660																					
1665																					
1670																					
	F002301	1670.3	1671	0.068																	
	F002302	1671	1671.7	0.85																	
	F002303	1671.7	1672.3	0.059																	
	F002304	1672.3	1673	0.044																	
	F002305	1673	1673.6	0.041																	
	F002306	1673.6	1674.3	0.049																	
	F002307	1674.3	1675	0.037																	
1675																					
	F002308	1675	1676	0.136																	
	F002309	1676	1677	0.03																	
	F002311	1677	1678	0.04																	
	F002312	1678	1679	0.01																	
	F002313	1679	1679.4	0.01																	
	F002314	1679.4	1680	0.01																	
1680																					
	F002315	1680	1681	0.016																	
	F002316	1681	1681.5	0.01																	
	F002317	1681.5	1682.5	0.01																	
					1665	1692.4	3F	G	FOL	Dark grey felsic tuff w/ sct fgr white lapilli. Well fol. Local weak meth splays w/ green staining/ser altn bleeding into host rock sct throughout. Minor breccias up to 1cm wide w/ qz-felds fragments and abundant meth splays between 1681.5-1682.3m.	Patches of Po and minor Py assoc w/ veining and groundmass. 5-7% qz-cb veining. Patches of mod perv ser altn. Sporadic attenuated f-mgr grt scattered. Nonmagnetic. Fgr groundmass.							MOD			

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F002317	1681.5	1682.5	0.01																	
	F002318	1682.5	1683.5	0.01																	
1685					1665	1692.4	3F	G	FOL	Dark grey felsic tuff w/ sct fgr white lapilli. Well fol. Local weak meth splays w/ green staining/ser altn bleeding into host rock sct throughout. Minor breccias up to 1cm wide w/ qz-felds fragments and abundant meth splays between 1681.5-1682.3m.	Patches of Po and minor Py assoc w/ veining and groundmass. 5-7% qz-cb veining. Patches of mod perv ser altn. Sporadic attenuated f-mgr grt scattered. Nonmagnetic. Fgr groundmass.									
1690																					
					1692.4	1693.8	1	G	MO	Dark grey to grey-green ultramafic (1). Fine grained w/ local attenuated mgr dark grey/green clasts (soft). Mod talc/serp altn (soft core). Mottled to locally weakly fol. Magnetic. Sharp UC and LC. Minor scattered grey qz-cb veinlets. No visible minz.										
	F002319	1693.8	1694.5	0.014																	
	F002321	1694.5	1695.5	0.427	1693.8	1695.8	3F	G	FOL	Med grey/purple felsic tuff (3F). Fine grained w/ possible sporadic white lapilli (rounded, not attenuated). Mod-strong fracturing following fabric (looks like poker chips but along fol planes). Abundant beige/green stained hairline fractures throughout.	1-2% minor white qz-cb veining, some with green altn or musc altn. Sharp LC. Trc str Po/PY following fabric. Nonmagnetic. Well foliated.									
1695	F002322	1695.5	1695.8	0.765																	
	F002323	1695.8	1696.1	3.061																	
	F002324	1696.1	1697	0.067																	
	F002325	1697	1698	0.308																	
	F002326	1698	1699	0.293																	
	F002327	1699	1700	0.093																	
1700	F002328	1700	1701	0.074																	
	F002329	1701	1701.4	0.235																	
	F002331	1701.4	1702	8.271																	
	F002332	1702	1703	7.746																	
	F002333	1703	1704	2.556																	
	F002334	1704	1705	0.154																	
1705	F002335	1705	1706	0.015																	
	F002336	1706	1707	0.041																	
	F002337	1707	1708	0.142																	
	F002338	1708	1708.7	0.212	1695.8	1721.4	4F	BK	POR BL	Black grt-bt schist (4F). Fgr w/ mod mgr-cgr an-subhed grt. Patches of decreased grt. Lcl aggl grt bands w/ gru & grt-amp @ 1707m. 4-10% qz-cb vns. Lcl vuggy vnlets (poss meth splay @ 1698.8m w/ powder bits/gouge). Wk mag. Minor mafic volc units near LC.	Qz-cb flooded (20%) SZ from 1703-1704m, poss starting @ 1702m but larger patches of host rock between vns & 4% Po. Trc-4% str-blb Po assoc w/ vns & int to grt. Mod musc altn at 1716.5-1718.5m. Sct mod chert bands @ 1708-1711m. Well fol-lcl banded.									
	F002339	1708.7	1709.2	0.1																	
	F002341	1709.2	1710	0.036																	
1710	F002342	1710	1711	0.035																	
	F002343	1711	1712	0.066																	
	F002344	1712	1713	0.01																	
	F002345	1713	1714	0.012																	
	F002346	1714	1715	0.025																	
1715	F002347	1715	1716	0.018																	
	F002348	1716	1716.5	0.01																	
	F002349	1716.5	1717.5	0.024																	
	F002351	1717.5	1718	0.01																	
	F002352	1718	1719	0.01																	
	F002353	1719	1719.6	0.035																	
	F002354	1719.6	1720.4	0.01																	
1720	F002355	1720.4	1720.8	0.03																	
	F002356	1720.8	1721.4	0.015																	
	F002357	1721.4	1722.2	0.037	1721.4	1722.2	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well fol w/ local bt wisps. Weakly to locally mod magnetic. Minor 4F unit at 1721.6-1721.7m and a 2cm 4F band at 1722m. No visible mineralization and no significant veining. Sharp UC and LC.										

Unit	Comments
	Minor mafic volc unit (2). Fine grained. Grey-green. Very weakly magnetic. No visible minz or veining.
	Minor unit of mafic volc (2). Fine grained. Well fol. Weakly magnetic. No vis miz or veining. Sharp UC and LC.
2	Minor mafic volc (2). Well fol. Grey-green. Very weakly fol. No sig miz or veining. Sharp UC and LC.
2	Minor grt-bt schist (4F). Fine grained w/ fgr-mgr grt. Well fol. Weak-mod magnetic. No sig miz or veining.
2	
4F	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F002357	1721.4	1722.2	0.037	1721.4	1722.2	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well fol w/ local bt wisps. Weakly to locally mod magnetic. Minor 4F unit at 1721.6-1721.7m and a 2cm 4F band at 1722m. No visible mineralization and no significant veining. Sharp UC and LC. Black-brown grt-bt schist (4F). Fine grained w/ abundant m-cgr subhedral grt. Well foliated to lcl banded. Sporadic grt-amp bands near UC and LC. 3-5% qz-cb veins. Trc to locally 1% Po assoc w/ veining & litho. Increase Po is near LC w/in grt-amp bands.												
	F002358	1722.2	1723	0.021	1722.2	1725.8	4F	BK	POR BL		Fabric is linear to locally wavy to folded. Very weakly mag. Sharp LC.										
	F002359	1723	1724	0.013																	
	F002361	1724	1724.7	0.01																	
1725	F002362	1724.7	1725.5	0.013																	
	F002363	1725.5	1725.8	0.073																	
	F002364	1725.8	1726.8	0.026																	
	F002365	1726.8	1727.4	0.015																	
	F002366	1727.4	1728	0.03																	
	F002367	1728	1729	0.01																	
	F002368	1729	1730	0.01																	
1730	F002369	1730	1731	0.017																	
	F002371	1731	1732	0.018																	
	F002372	1732	1732.6	0.041																	
	F002373	1732.6	1733.6	0.01																	
	F002374	1733.6	1734	0.017																	
	F002375	1734	1735	0.01																	
1735	F002376	1735	1736	0.011																	
1740																			MOD		
					1725.8	1769.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w/ abundant white lapilli, some are attenuated. Well foliated. Locally fractured. Sporadic weak meth fault splays throughout. Scattered Po and lcl Py from trc up to lcl 5% assoc w/ veining and groundmass.	Mod sporadic anhedral/attenuated grt. Patches of green amp/prx halos around discontinuous cb veinlets or grt, some are lcl folded. Poss SZ at 1751.9-1752m w/ pervasive cb. Nonmagnetic.									
1745																					
1750																					
1755																					
1760																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1765					1725.8	1769.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w/ abundant white lapilli, some are attenuated. Well foliated. Locally fractured. Sporadic weak meth fault splays throughout. Scattered Po and lcl Py from trc up to lcl 5% assoc w/ veining and groundmass.	Mod sporadic anhedral/attenuated grt. Patches of green amp/prx halos around discontinuous cb veinlets or grt, some are lcl folded. Poss SZ at 1751.9-1752m w/ pervasive cb. Nonmagnetic.									
	F002377	1767.7	1768.7	0.016																	
	F002378	1768.7	1769.7	0.01																	
1770	F002379	1769.7	1770.2	0.161	1769.7	1770.2	4F	GG	BA	Dark grey-green grt-amp BIF (4E) w/ abundant qz-cb veining/flooding (~30-40%). Mod grt-gru bands. Locally magnetic. Fabric is well banded to weakly wavy. Fine grained w/ cgr to very cgr subhedral grt. Trc str-blb Po assoc w/ both banding and veining.	1% blb Asp assoc w/ veining. Sharp UC and LC.									
	F002381	1770.2	1771.2	0.028	1770.2	1773.7	4F	B	POR BL	Dark brown/black grt-bt schist (4F). Fgr w/ abundant mgr subhedral grt. Locally very weakly magnetic. Well foliated to locally banded. Weak lcl gru altn. 1-2% qz-cb veining. Trc to lcl 5% Po assoc w/ veining. Local brittle fractures following fabric.										
	F002382	1771.2	1772.2	0.048																	
	F002383	1772.2	1773	8.324																	
	F002384	1773	1773.7	1.82																	
	F002385	1773.7	1774.6	0.089	1773.7	1775.4	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Nonmagnetic. Well foliated. 3-4% qz-cb veining. No visible mineralization. Brittle faulting from 1775.3-1775.4m Discing at 1774.6-1774.8m.											
1775	F002386	1774.6	1775.4	0.039																	
					1775.4	1775.7	VOID			30cm missing due to brittle faulting.											
	F002387	1775.7	1776.4	0.026	1775.7	1778.4	2	GG	FOL	Same as mafic above. Brittle faulting leaving blocky core from 1775.7-1776m. Sharp LC. No visible mineralization. 3-4% qz-cb veining. Multiple weak meth fault splays.											
	F002388	1776.4	1777.4	0.029																	
	F002389	1777.4	1778.4	0.015																	
	F002391	1778.4	1779.3	0.02	1778.4	1779.3	4F	B	POR BL	Dark brown/black grt-bt schist (4F). Fine grained w/ abundant mgr subhedral grt. Weakly magnetic. Weakly fol w/ abundant bt stringers. Local fracturing. Trc str/blb Po assoc w/ groundmass. Sharp LC. <1% thin cb stringers.											
1780	F002392	1779.3	1780.3	0.025	1779.3	1784.8	2	GG	FOL	Dark grey-green mafic volc (2) or poss gabbro (7A). Fine to med grained. Very weakly magnetic. Well foliated. 1-2% scattered qz-cb veinlets. No significant mineralization. Local brittle fracturing scattered throughout. Scattered minor meth flt splays.	Gradational LC.										
	F002393	1780.3	1781.3	0.05																	
1785					1784.8	1787		G	FOL	Dark grey metased (6) or poss felsic lapilli tuff (3F). Well foliated. Fine grained. Rare sporadic fgr white lapilli (may just be qz grains). 5% qz-cb stringers/veinlets, possibly weak conveyor SZ from 1785.6-1787m. Trc Po assoc w/ qz-cb. Sharp LC.											
	F002394	1787.7	1788.7	0.037	1787	1791.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Minor unit of 4E from 1789.7-1789.9m w/ 5% qz-cb veining and 10% str-diss Po assoc w/ veining and banding. 1% minor qz-cb veinlets/ Trc local Po assoc w/ groundmass. Nonmagnetic.	Increased bt at 1791-1791.7m. Minor sct meth flt splays and local br fracturing.	4B	Minor chert-mag BIF (4B). Fine grained. Well banded. Minor marginal gru. No visible grt. 3-5% qz-cb veinlets. 10% str Po assoc w/ veining and groundmass. Sharp UC and LC.								
	F002395	1788.7	1789.7	0.036																	
	F002396	1789.7	1790	2.582																	
1790	F002397	1790	1791	0.097																	
	F002398	1791	1791.7	0.019																	
	F002399	1791.7	1792.3	8.196	1791.7	1792.6	4E	GG	BA	Dark grey-green grt-amp BIF (4E) w/ minor grt-gru banding. Fine grained w/ mod cgr to very cgr an-subhedral grt. Well banded. Fabric is locally wavy. 10% qz-cb veining. Up to 7% str-sma Po assoc w/ veining and groundmass. Locally magnetic.	Local bands of distorted/attenuated grt or agglom grt.										
	F002401	1792.3	1792.6	0.09																	
	F002402	1792.6	1793.6	0.024	1792.6	1797	6W	B	FOL	Dark brown grt-bearing metased (6W). Fine grained w/ sct cgr anhedral grt. Well foliated w/ abundant bt wisps. Locally weakly magnetic. Scattered chl bands. 15% cb stringers assoc w/ conveyor shear through entire unit. Local trc Po assoc w/ veinlets. Dark grey-green grt-amp BIF (4E) w/ minor grt-gru banding. Banding is locally wavy. Minor grt-bt bands. Weakly magnetic. Fine grained w/ abundant very cgr subhedral grt. 1% blb-diss Po assoc w/ veining and groundmass. 3-5% qz-cb veining. Sharp LC.	Irregular UC. Sharp LC.										
	F002403	1793.6	1794	0.02																	
	F002404	1794	1794.8	0.04																	
	F002405	1794.8	1795.1	0.01																	
1795	F002406	1795.1	1796	0.014																	
	F002407	1796	1797	0.012																	
	F002408	1797	1797.3	0.151																	
	F002409	1797.3	1798	2.172	1797	1797.3	4E	GG	BA	Black grt-bt schist (4F). Fgr w/ abundant mgr sub-euhedral grt. Well fol to locally banded w/ grt-amp. Locally magnetic. Patches w/ decreased to no grt content. 1-2% qz-cb veining. Trc Po assoc w/ veining and groundmass. Minor meth flt splay at 1797.8m.										
	F002411	1798	1798.2	8.592	1797.3	1798.5	4F	BK	POR BL												
	F002412	1798.5	1799.2	18.44																	
	F002413	1799.2	1800	42.88	1798.5	1806.4	4EA	GG	DIST	Dark grey-green grt-amp-gru BIF (4EA). Fgr w/ abundant cgr to very cgr an-subhedral grt. Weakly mag. Well banded to weakly distorted/wavy. Sporadic weak grt-bt bands. 15% qz-cb vns/flooding. Consistent Po minz up t0 30% w/ minor patches of decreased Po.	Po becomes more inconsistent towards LC. Multiple fgr specks of VG between 1800-1802.7m, mostly assoc w/ grt bands, but some in veining. Sharp LC w/ qz-cb vein at contact. Local minor folding.										
	F002414	1800	1800.3	48.84																	
	F002415	1800.3	1800.7	21.79																	
1800	F002416	1800.7	1801.1	43.42																	
	F002417	1801.1	1801.4	44.55																	
	F002418	1801.4	1802	36.36																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F002418	1801.4	1802	36.36	1798.5	1806.4	4EA	GG	DIST	Dark grey-green grt-amp-gru BIF (4EA). Fgr w/ abundant cgr to very cgr an-subhedral grt. Weakly mag. Well banded to weakly distorted/wavy. Sporadic weak grt-bt bands. 15% qz-cb vns/flooding. Consistent Po minz up t0 30% w/ minor patches of decreased Po.	Po becomes more inconsistent towards LC. Multiple fgr specks of VG between 1800-1802.7m, mostly assoc w/ grt bands, but some in veining. Sharp LC w/ qz-cb vein at contact. Local minor folding.										
	F002419	1802	1802.3	24.43																	
	F002421	1802.3	1802.6	24.84																	
	F002422	1802.6	1803.1	7.614																	
1800	F002423	1803.1	1804	17.95																	
	F002424	1804	1804.5	10.2																	
	F002425	1804.5	1805.5	20.2																	
	F002426	1805.5	1806.4	27.02																	
	F002427	1806.4	1807	1.306	1806.4	1809	4BF	G	BA	Dark grey chert-mag BIF w/ abundant grt-bt bands (4BF). Approx 30% grt-bt bands. Banding is locally folded to wavy. Magnetic. 1% minor qz-cb veining. Trc to local 5% sma-blb or str-diss Po. Po is assoc w. groundmass and local veins. Wk lcl chl wisps.	Aphanitic w/ mod fgr subhedral grt.										
	F002428	1807	1808	0.998																	
	F002429	1808	1808.7	1.149																	
	F002431	1808.7	1809	3.508	1809	1838.1	4B	G	BA	Dark grey chert-mag BIF (4B). Aphanitic. Well banded. Fabric is lcl wavy-fided. Poss refolded fld at 1821.2m. Patches of grt-bt bands w/ f-mgr an/subhed grt. Mod lcl chl wisps. Sporadic kn flts. Fabric changes direction multiple times. 4-7% qz-cb vns.	Trc-10% lcl Po, blb-sma and assoc w/ groundmass and vns. Lcl blb As. Local boudins at 1834.9m. Gradational LC. Breccia/kn fiting from 1815.7-1816.1m w/ mod angular frags of BIF and qz-cb. Abundant marg gru altn. Chert bands have minor cb tension gashes.										
1810	F002432	1809	1809.3	0.131																	
	F002433	1809.3	1809.6	48.25																	
	F002434	1809.6	1810.6	0.3																	
	F002435	1810.6	1811.2	0.446																	
	F002436	1811.2	1812	0.025																	
	F002437	1812	1812.5	0.014																	
	F002438	1812.5	1813.2	0.531																	
	F002439	1813.2	1814	0.074																	
1815	F002441	1814	1815	0.017																	
	F002442	1815	1816	0.03																	
	F002443	1816	1817	0.014																	
	F002444	1817	1818	0.175																	
	F002445	1818	1818.4	0.014																	
	F002446	1818.4	1819	0.029																	
	F002447	1819	1820	0.049																	
1820	F002448	1820	1821	0.038																	
	F002449	1821	1822	0.032																	
	F000951	1822	1823	0.109																	
	F000952	1823	1823.7	0.088																	
	F000953	1823.7	1824.7	0.279																	
1825	F000954	1824.7	1825.4	0.22																	
	F000955	1825.4	1826	0.264																	
	F000956	1826	1827	0.17																	
	F000957	1827	1828	1.281																	
	F000958	1828	1829	0.261																	
	F000959	1829	1830	0.148																	
1830	F000961	1830	1831	0.575																	
	F000962	1831	1832	0.473																	
	F000963	1832	1832.7	1.093																	
	F000964	1832.7	1833.5	0.06																	
	F000965	1833.5	1834.5	0.049																	
1835	F000966	1834.5	1835.5	0.196																	
	F000967	1835.5	1836.5	0.067						Med-dark grey chert-gru BIF (4A). Aphanitic. Wispy bands to locally distorted. Up to 4% blb-diss Po assoc w/ groundmass and veining. Minor faulting truncating shallow fabric between mod angled fabric (flt may have displaced the shallow fabric section).										
	F000968	1836.5	1837.5	0.019						Dark grey mafic volc (2). Fine grained. Abundant pervasive bt. Nonmagnetic. Well foliated. Sharp LC. 1-2% qz-cb wisps increasing in frequency towards LC. No visible mineralization.										
	F000969	1837.5	1838.1	0.015																	
	F000971	1838.1	1838.7	0.044	1838.1	1840.2	4A	G	DIST	Dark grey chert-gru BIF (4A). aphanitic. Nonmagnetic to locally very weakly magnetic. Abundant qz-cb veining w/ cal altn. 5-10% qz-cb veining (poss flooded) and 10% sma-blb Po predominantly assoc w/ veining but also present in groundmass. Well foliated.	Wispy lcl chl. Mod wispy gru. 5% qz-cb veining. Sharp LC. Weakly magnetic.										
	F000972	1838.7	1839.7	0.074																	
	F000973	1839.7	1840.2	0.028																	
1840	F000974	1840.2	1840.6	0.068	1840.2	1840.6	2	G	FOL												
	F000975	1840.6	1841.1	0.068	1840.6	1841.1	4A	G	FOL	Dark grey mafic volc (2). Fine grained. Well foliated. Nonmagnetic. Abundant pervasive bt. Mod brittle fracturing predominantly following fabric. <1% cb stringers. Very cgr an/subhedral grt 'band' at UC. No visible mineralization. EOH.	Lcl chl wisps. Sharp LC.										
	F000976	1841.1	1842	0.017	1841.1	1842	2	G	FOL												

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
25																					
30																					
35																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
65																					
70																					
75																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
105																					
110																					
115																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
145																					
150																					
155																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
185																					
190																					
195																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
225																					
230																					
235																					
240																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
265																					
270																					
275																					
280																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
305																					
310																					
315																					
320																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
345																					
350																					
355																					
360																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
385																					
390																					
395																					
400																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
425																					
430																					
435																					
440																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
465																					
470																					
475																					
480																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
505																					
510																					
515																					
520																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
545																					
550																					
555																					
560																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
585																					
590																					
595																					
600																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
625																					
630																					
635																					
640																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
665																					
670																					
675																					
680																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
705																					
710																					
715																					
720																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
745																					
750																					
755																					
760																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
785																					
790																					
795																					
800																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
825																					
830																					
835																					
840																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
865																					
870																					
875																					
880																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
905																					
910																					
915																					
920																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
945																					
950																					
955																					
960																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
985																					
990																					
995																					
1000																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1025																					
1030																					
1035																					
1040																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1065																					
1070																					
1075																					
1080																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1105																					
1110																					
1115																					
1120																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1145																					
1150																					
1155																					
1160																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1185																					
1190																					
1195																					
1200																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1225																					
1230																					
1235																					
1240																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1265																					
1270																					
1275																					
1280																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1305																					
1310																					
1315																					
1320																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1345																					
1350																					
1355																					
1360																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1385																					
1390																					
1395																					
1400																					

19-NSD-004

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405																					
1410																					
1415																					
1420					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1425																					
1430																					
1435																					
1440																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445																					
1450																					
1455																					
1460					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1465																					
1470																					
1475																					
1480																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485																					
1490																					
1495																					
1500					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1505																					
1510																					
1515																					
1520																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525																					
1530																					
1535																					
1540					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1545																					
1550																					
1555																					
1560																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565																					
1570																					
1575																					
1580					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1585																					
1590																					
1595																					
1600																					

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605					0	1616	WEDGE HOLE NO LOG			wedge hole. daughter of 19-NSD-007											
1610																					
1615																					
1620					1616	1630.2	3F	G	FOL	Light grey, fine grained, foliated with abundant fine grained, feldspathic lapilli in the lapilli tuff (3F). Ground core at 1617 m. Moderate, planar quartz/carbonate veining throughout. Non-magnetic with no visible sulphide mineralization. Gradational LC											
1625																					
1630					1630.2	1634.9	1	GG	FOL	Light grey with a light green tinge, fine grained, foliated and weakly distorted ultramafic dyke (1). One fracture at 1631 m with oxidized material along the fault plane. Minor quartz flooding at 1632 m.	Magnetic with no visible mineralization and a gradational LC.										
1635					1634.9	1637.8	3F	G	FOL	Light grey, fine grained and well foliated lapilli tuff (3F). Non-magnetic with trace disseminated po wisps throughout. Moderate quartz flooding proximal to the gradational LC.											
1640					1637.8	1643.1	1	GG	FOL	Light green grey, fine grained, well-foliated and weakly distorted ultramafic dyke (1). Pervasive talc alteration with no significant veining. Weakly magnetic and barren of all mineralization and a gradational LC.											

19-NSD-004

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1637.8	1643.1	1	GG	FOL	Light green grey, fine grained, well-foliated and weakly distorted ultramafic dyke (1). Pervasive talc alteration with no significant veining. Weakly magnetic and barren of all mineralization and a gradational LC.											
					1643.1	1644.6	3F	G	FOL	Light grey, fine grained, foliated and lapilli-rich tuff (3F). Lapilli are fine grained, feldspathic and weakly attenuated with foliation. Minor quartz veining proximal to the top contact. Non-magnetic with no visible mineralization and a gradational LC.											
1645					1644.6	1645	1	GG	FOL	Green grey, fine grained and foliated ultramafic dyke (1). Pervasive talc alteration with no significant veining. Weakly magnetic with no mineralization and faulted LC due to a wedge.											
					1645	1647.9				Missing due to faulting.											
1650																					
1655																					
					1647.9	1668	3F	G	FOL	Grey, fine grained and well-foliated lapilli-tuff (3F). Lapilli are fine grained, feldspathic and weakly attenuated with foliation. Minor quartz nodules proximal to the top contact, with methane faulting at 1657 m.	Non-magnetic with trace, disseminated po + py. EOH										
1660																					
1665																					
1670																					
1675																					
1680																					

19-NSD-005

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5					0	6.4	CASING														
10	F012916	6.4	7.2	0.016	6.4	18.5	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. ~10-20% 0.5-5cm qz/cb veining. Weak bt alteration. Unit is weakly-moderately distorted and locally folded. Weakly magnetic.	Localized 0.5-2% disseminated/wispy po and 0.5-1% disseminated/blebby py min within litho and veining. Sharp LC.										
	F012917	7.2	7.7	0.021																	
	F012918	7.7	8.5	0.02																	
	F012919	8.5	9	0.013																	
	F012921	9	9.6	0.021																	
	F012922	9.6	10.4	0.014																	
	F012923	10.4	11	0.02																	
	F012924	11	11.6	0.011																	
	F012925	11.6	11.9	0.015																	
	F012926	11.9	12.7	0.01																	
	F012927	12.7	13.5	0.017																	
	F012928	13.5	14.2	0.01																	
	F012929	14.2	14.8	0.019																	
15	F012931	14.8	15.4	0.01																	
	F012932	15.4	16	0.022																	
	F012933	16	17	0.01																	
	F012934	17	18	0.014																	
	F012935	18	18.5	0.011																	
	F012936	18.5	19	0.021	18.5	19	QTZ VN	G	FOL	Fgr grey-green-brown well foliated mafic metavolcanics. Moderate-strong bt alteration. Localized 1-7mm subhedral grt within areas of increased alteration. Unit is weakly distorted. Weakly magnetic. Trace disseminated po min.											
	F012937	19	19.5	0.023																	
20	F012938	19.5	20.5	0.016																	
	F012939	20.5	21.5	0.024	19	23.4	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. ~10-15% 0.5-15cm qz/cb veining. Unit is weakly distorted and locally folded. Weakly magnetic. Localized 0.5-3% disseminated/wispy po and 2% disseminated/blebby py min within litho and veining. Sharp LC.											
					23.4	23.6	MISSING			Missing core due to a fault.											
25																					
30	F012941	30.7	31.7	0.019	23.6	48.1	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. ~10-15% 0.5-15cm qz/cb veining. Unit is weakly distorted and locally folded. Weakly magnetic. Localized 0.5-3% disseminated/wispy po and 2% disseminated/blebby py min within litho and veining. Sharp LC.											
	F012942	31.7	32.7	0.019																	
	F012943	32.7	33	0.022																	
	F012944	33	34	0.074																	
35	F012945	34	35	0.021																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45					23.6	48.1	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. ~10-15% 0.5-15cm qz/cb veining. Unit is weakly distorted and locally folded. Weakly magnetic. Localized 0.5-3% disseminated/wispy po and 2% disseminated/blebby py min within litho and veining. Sharp LC.										
					48.1	48.6	QTZ VN	W	MA	Fgr white massive quartz vein with ~5% 1-5cm remnant mafic metavolcanics. Weak cb alteration. Unit is weakly fractured and distorted. Non-magnetic. No visible min. Irregular LC.										
50	F012946	49.5	50.5	0.015	48.6	51.5	2	GG	FOL	Fgr grey-green-brown well foliated mafic metavolcanics. Moderate-strong bt alteration. ~10% 0.5-2cm qz/cb veining. Unit is weakly distorted. Weakly magnetic. No visible min. Sharp LC.											
	F012947	50.5	51.5	0.053																	
	F012948	51.5	52.3	0.076	51.5	52.3	4B	G	BA	Fgr grey-beige well foliated chert-mag BIF. Mod-strong gru, weak-mod amp alteration. Unit is intensely distorted/folded and contains intercalated ~10-15% 1cm mafic metavolcanics. Strongly magnetic. ~6% threaded/wispy po min throughout. Sharp LC.											
	F012949	52.3	53.3	0.03	52.3	64.6	2	GG	FOL	Fgr grey-green-brown well foliated mafic metavolcanics. Moderate-strong bt alteration. Localized 1-7mm subhedral grt within areas of increased alteration. Unit is weakly distorted. Weakly magnetic. Trace disseminated po min. Sharp LC.		4F									
	F012951	53.3	54.3	0.023								4F									
55																					
60												3									
65					64.6	65.2	3F	G	FOL	Fgr grey-brown well foliated felsic lapilli tuff. Unit is weakly fractured. ~10-15% 1-2cm qz/cb veining. Non-magnetic. Trace disseminated po min. Diffuse LC.											
70					65.2	76.7	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Unit is weakly distorted and fractured throughout. Foliation becomes intermittently near parallel indicating potential large broad folds. ~5% 0.5-1cm qz veining. Non-magnetic. No visible min. Gradational LC.											
75					76.7	97.3	2	GG	FOL	Fgr grey-green moderately foliated mafic metavolcanics. Unit is weakly fractured throughout. Intermittent 0.1-10cm qz veining. Non-magnetic. No visible min. Gradational LC.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85					76.7	97.3	2	GG	FOL	Fgr grey-green moderately foliated mafic metavolcanics. Unit is weakly fractured throughout. Intermittent 0.1-10cm qz veining. Non-magnetic. No visible min. Gradational LC.											
90												QTZ VN									
95												QTZ VN									
	F012952	98.3	99.3	0.013	97.3	101.2	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Unit contains a zone of moderate-strong distortion/foliation. ~10% 0.5-3cm qz/cb veining. Locally weakly magnetic. Localized 1% wispy/disseminated po min within litho. Gradational LC.											
100	F012953	99.3	100.3	0.017																	
	F012954	100.3	101.2	0.032																	
	F012955	101.2	102.2	0.021	101.2	103.2	2	GG	FOL	Fgr grey-green moderately foliated mafic metavolcanics. Unit is weakly distorted. Intermittent 0.1-1cm qz/cb veining. Non-magnetic. No visible min. Gradational LC.											
	F012956	102.2	103.2	0.01																	
	F012957	103.2	103.6	0.027	103.2	104.6	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Unit is moderately distorted/folded throughout. ~10-15% 0.5-2cm qz/cb veining. Locally weakly magnetic. Localized ~2-3% wispy/disseminated po min within litho. Gradational LC.											
	F012958	103.6	104.6	0.018																	
105	F012959	104.6	104.9	0.064																	
	F012961	104.9	105.9	0.015																	
	F012962	105.9	106.9	0.01																	
110					104.6	145.7	2	GG	FOL	Fgr grey-green moderately foliated mafic metavolcanics. Unit is weakly fractured and contains ~10-15cm intense fault zones. Unit contains an ~5cm minor 4B unit near LC. Intermittent 0.1-10cm qz/cb veining. Non-magnetic.	Localized 1-2% wispy/disseminated po min within veining/litho. Sharp LC.										
115																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
					104.6	145.7	2	GG	FOL	Fgr grey-green moderately foliated mafic metavolcanics. Unit is weakly fractured and contains ~10-15cm intense fault zones. Unit contains an ~5cm minor 4B unit near LC. Intermittent 0.1-10cm qz/cb veining. Non-magnetic.	Localized 1-2% wispy/disseminated po min within veining/litho. Sharp LC.										
135	F012963	134.6	135.6	0.01																	
	F012964	135.6	136.6	0.01																	
	F012965	136.6	136.9	0.019																	
	F012966	136.9	137.6	0.014																	
	F012967	137.6	138.6	0.01																	
	F012968	138.6	139.6	0.027																	
	F012969	139.6	139.9	0.021																	
140	F012971	139.9	140.9	0.021																	
	F012972	140.9	141.9	0.019																	
	F012973	141.9	142.7	0.022																	
	F012974	142.7	143.7	0.02																	
	F012975	143.7	144.7	0.014																	
145	F012976	144.7	145.7	0.044																	
	F012977	145.7	146.1	0.066	145.7	146.1	4B	G	BA	Fgr grey-green-black well foliated chert-mag BIF. Unit is moderately-strongly distorted/attenuated and tightly folded. Strongly magnetic. ~0.5% disseminated po min throughout. Gradational LC.											
	F012978	146.1	147.1	0.01																	
	F012979	147.1	148.1	0.031																	
	F012981	148.1	149.1	0.012																	
	F012982	149.1	150.1	0.026																	
150	F012983	150.1	151.1	0.128																	
	F012984	151.1	152.1	0.02																	
	F012985	152.1	153.1	0.029																	
	F012986	153.1	154.1	0.014	146.1	194.8	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. Weak-strong bt and localized weak-mod chl alteration. Intermittent 0.1-10cm distorted qz/cb veining. Locally weakly magnetic. Localized 0.5-3% disseminated/wispy po min within litho/alteration.	Gradational LC.										
	F012987	154.1	154.6	0.01																	
155	F012988	154.6	155.6	0.014								4B									
	F012989	155.6	156.6	0.014																	
	F012991	156.6	157.2	0.01																	
	F012992	157.2	158	0.014																	
	F012993	158	159	0.021																	
	F012994	159	160	0.01																	
	F012995	160	161	0.016																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F012995	160	161	0.016																	
	F012996	161	161.9	0.01																	
	F012997	161.9	162.9	0.02																	
	F012998	162.9	163.9	0.014																	
165																					
170																					
175																					
					146.1	194.8	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. Weak-strong bt and localized weak-mod chl alteration. Intermittent 0.1-10cm distorted qz/cb veining. Locally weakly magnetic. Localized 0.5-3% disseminated/wispy po min within litho/alteration.	Gradational LC.										
180																					
185																					
190																					
195					194.8	209.7	7A	GG	FOL	Fgr dark green-grey well foliated gabbro. Unit contains localized bands of strong chl alteration. Unit is weakly-moderately distorted throughout. Intermittent 0.1-10cm qz/cb veining. Non-magnetic.	Trace disseminated po min within alteration bands and litho. Gradational LC.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205					194.8	209.7	7A	GG	FOL	Fgr dark green-grey well foliated gabbro. Unit contains localized bands of strong chl alteration. Unit is weakly-moderately distorted throughout. Intermittent 0.1-10cm qz/cb veining. Non-magnetic.	Trace disseminated po min within alteration bands and litho. Gradational LC.										
210																					
215																					
220																					
225					209.7	253.2	2	GG	FOL	Fgr grey-green weakly-moderately foliated mafic metavolcanics. Intermittent 0.1-3cm distorted and folded qz/cb veining. Unit contains ~1-5cm intercalated chl alteration zones with interstitial mgr amp laths. Non-magnetic.	Trace disseminated po min within veining and litho. Diffuse LC.										
230																					
235																					
240																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245					209.7	253.2	2	GG	FOL	Fgr grey-green weakly-moderately foliated mafic metavolcanics. Intermittent 0.1-3cm distorted and folded qz/cb veining. Unit contains ~1-5cm intercalated chl alteration zones with interstitial mgr amp laths. Non-magnetic.	Trace disseminated po min within veining and litho. Diffuse LC.										
250																					
	F012999	252.9	253.2	0.016																	
	F013001	253.2	254.1	0.015	253.2	275.3	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Possible mgr mafic metavolcanic instead of a gabbro. Unit is moderately distorted and weakly fractured. Intermittent 0.1-5cm distorted and folded qz/cb veining. Locally weakly magnetic.	Localized 0.5% disseminated/wispy po min within alteration/litho. Irregular LC.										
	F013002	254.1	255.1	0.062																	
255	F013003	255.1	255.5	0.025																	
	F013004	255.5	256.5	0.018																	
	F013005	256.5	257.5	0.053																	
260																					
265																					
270																					
275					275.3	275.8	QTZ VN	G	FOL	Fgr grey well foliated and distorted quartz vein. Moderate cb-amp alteration and intercalated ~1-2cm distorted mafic metavolcanics. Unit is weakly-moderately folded. Non-magnetic. Trace disseminated po min within litho. Sharp LC.										
					275.8	359.4	2	GG	FOL	Fgr-mgr grey-green well foliated mafic metavolcanics. Unit contains an ~6-7m interval of ~1cm bands of serpentine alteration. Unit is weakly distorted and attenuated throughout. Intermittent ~10-15% 0.5-2cm qz/cb veining. Non-magnetic.	Unit contains intercalated 1-5cm gabbro units near the LC. Localized 0.5-1% disseminated/wispy po min within veining and litho. Gradational LC.										
280																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																			MOD		
290																					
295																					
300					275.8	359.4	2	GG	FOL	Fgr-mgr grey-green well foliated mafic metavolcanics. Unit contains an ~6-7m interval of ~1cm bands of serpentine alteration. Unit is weakly distorted and attenuated throughout. Intermittent ~10-15% 0.5-2cm qz/cb veining. Non-magnetic.	Unit contains intercalated 1-5cm gabbro units near the LC. Localized 0.5-1% disseminated/wispy po min within veining and litho. Gradational LC.											
305																					
310																					
315																					
	F013006	318.1	319.1	0.041																	
	F013007	319.1	320.1	0.033																	
320	F013008	320.1	320.6	0.132																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013008	320.1	320.6	0.132																	
	F013009	320.6	321.6	0.035																	
	F013011	321.6	322.6	0.033																	
	F013012	322.6	323.6	0.053																	
	F013013	323.6	324.6	0.013																	
325	F013014	324.6	325.6	0.01																	
	F013015	325.6	326.6	0.013																	
	F013016	326.6	327.6	0.01																	
	F013017	327.6	328.6	0.016																	
	F013018	328.6	329.3	0.02																	
330	F013019	329.3	330.3	0.01																	
	F013021	330.3	331.3	0.035																	
	F013022	331.3	332	0.025																	
	F013023	332	332.6	0.035																	
	F013024	332.6	333.6	0.027																	
	F013025	333.6	334.6	0.018																	
335																					
340					275.8	359.4	2	GG	FOL	Fgr-mgr grey-green well foliated mafic metavolcanics. Unit contains an ~6-7m interval of ~1cm bands of serpentine alteration. Unit is weakly distorted and attenuated throughout. Intermittent ~10-15% 0.5-2cm qz/cb veining. Non-magnetic.	Unit contains intercalated 1-5cm gabbro units near the LC. Localized 0.5-1% disseminated/wispy po min within veining and litho. Gradational LC.											
345																					
350																					
355																					
360					359.4	362.9	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Moderate-strong bt alteration. Unit is weakly-moderately folded and distorted throughout. Intermittent 0.5-2cm distorted and folded qz/cb veining. Non-magnetic.	Trace disseminated po min within litho. Gradational LC.			STR							

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365					359.4	362.9	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Moderate-strong bt alteration. Unit is weakly-moderately folded and distorted throughout. Intermittent 0.5-2cm distorted and folded qz/cb veining. Non-magnetic.	Trace disseminated po min within litho. Gradational LC.			STR							
					362.9	364.9	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. Unit is weakly folded and distorted. Intermittent folded 0.1-1cm qz/cb veining. Non-magnetic. Trace disseminated po min within litho. Sharp LC.											
	F013026	367.8	368.8	0.017	364.9	374.6	7A	GG	FOL	Fgr-mgr dark green-grey well foliated gabbro. Strong-intense localized bt alteration. Unit is weakly-moderately folded and distorted throughout. Intermittent 0.5-3cm distorted and folded qz/cb veining.	Non-magnetic. Trace disseminated po min within litho. Lower contact is gradational.			STR							
370	F013027	368.8	369.8	0.018																	
	F013028	369.8	370.1	0.017																	
	F013029	370.1	371.1	0.025																	
	F013031	371.1	372.1	0.066																	
	F013032	372.1	373.1																		
	F013033	373.1	374.1	0.013																	
	F013034	374.1	374.6	0.01																	
	F013035	374.6	375.1	0.038																	
	F013036	375.1	375.7	0.034																	
375	F013037	375.7	376	0.03																	
	F013038	376	376.4	0.044	374.6	377.7	2	GG	MA	Grey-green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains a sparse quantity of fgr Po mineralization. The rock is characterized by patches/wisps of biotite alteration.	This entity contains light-green bands of fgr material that is easily scratched and is most indicative of chlorite: textural features do not react with HCL. Lower contact is irregular.										
	F013039	376.4	377.2	0.03																	
	F013041	377.2	377.7	0.021																	
	F013042	377.7	378.3	0.01	377.7	378.3	QTZ VN	W	MA	White massive cgr quartz vein exhibiting an irregular lower contact.											
	F013043	378.3	378.7	0.017	378.3	403.5	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains textural features that are most indicative of fgr-mgr garnetiferous bands of amphibole/chlorite: many of these bands contain fgr Po.	Some sections within this entity exhibit mgr crystal constituents, however, the predominating grain-size is fine. This rock exhibits a pronounced, albeit weak foliation: localized strain is present.										
	F013044	378.7	379.5	0.01																	
380	F013045	379.5	380.5	0.026																	
	F013046	380.5	381.5	0.015																	
	F013047	381.5	382.5	0.019																	
	F013048	382.5	383.5	0.023																	
	F013049	383.5	384	0.018																	
	F013051	384	384.3	0.012																	
385	F013052	384.3	385.3	0.032																	
	F013053	385.3	386.3	0.01																	
	F013054	386.3	387.3	0.019																	
	F013055	387.3	388.3	0.019																	
	F013056	388.3	389.3	0.017																	
390	F013057	389.3	390.3	0.066																	
	F013058	390.3	391.3	0.025																	
	F013059	391.3	392.3	0.02																	
	F013061	392.3	393	0.017																	
	F013062	393	393.7	0.046																	
	F013063	393.7	394.7	0.023																	
395	F013064	394.7	395.7	0.037																	
	F013065	395.7	396.7																		
	F013066	396.7	397.3	0.01																	
	F013067	397.3	398	0.01																	
	F013068	398	398.5	0.013																	
	F013069	398.5	398.9	0.025																	
	F013071	398.9	399.8	0.01																	
	F013072	399.8	400.3	0.015																	
400	F013073	400.3	401.3	0.014																	

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Depth	Sample	From	To	AU ppm
	F013073	400.3	401.3	0.016
	F013074	401.3	402.1	0.01
	F013075	402.1	402.6	0.01
	F013076	402.6	403.1	0.011
	F013077	403.1	403.5	0.01
405				
	F013078	405	405.9	0.01
	F013079	405.9	406.3	0.01
	F013081	406.3	407.3	0.046
	F013082	408	409	0.02
	F013083	409	410	0.01
410	F013084	410	410.4	0.01
	F013085	410.4	410.7	0.017
	F013086	410.7	411.3	0.01
	F013087	411.3	411.6	0.01
	F013088	411.6	412.6	0.04
	F013089	412.6	413.6	0.01
	F013091	413.6	414.6	0.026
415	F013092	414.6	415.6	0.363
	F013093	415.6	416.6	0.01
	F013094	416.6	417.6	0.01
	F013095	417.6	418.6	0.01
	F013096	418.6	419.5	0.036
	F013097	419.5	419.8	0.046
420	F013098	419.8	420.8	0.034
	F013099	420.8	421.4	0.016
	F013101	421.4	421.7	0.033
	F013102	421.7	422.4	0.033
	F013103	422.4	423	0.013
	F013104	423	423.5	0.016
	F013105	423.5	424.2	0.011
	F013106	424.2	424.7	0.021
425	F013107	424.7	425.7	0.063
	F013108	425.7	426.3	0.036
	F013109	426.3	426.8	0.023
	F013111	426.8	427.2	0.033
	F013112	427.2	428.2	0.029
	F013113	428.2	429.2	0.028
430	F013114	429.2	430.2	0.03
	F013115	430.2	431.2	0.023
	F013116	431.2	432	0.049
	F013117	432	432.6	0.015
	F013118	432.6	433.6	0.018
	F013119	433.6	434.6	0.032
435	F013121	434.6	435.6	0.023
	F013122	435.6	436.6	0.013
	F013123	436.6	437.6	0.086
	F013124	437.6	438.6	0.019
	F013125	438.6	439.6	0.012
440	F013126	439.6	440.6	0.012

From	To	Unit	Col	Text	Comments	Comments
378.3	403.5	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains textural features that are most indicative of fgr-mgr garnetiferous bands of amphibole/chlorite: many of these bands contain fgr Po.	Some sections within this entity exhibit mgr crystal constituents, however, the predominating grain-size is fine. This rock exhibits a pronounced, albeit weak foliation: localized strain is present.
403.5	405				Section missing due to "clappison cut".	
405	407.3	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains textural features that are most indicative of fgr-mgr garnetiferous bands of amphibole/chlorite: many of these bands contain fgr Po.	Some sections within this entity exhibit mgr crystal constituents, however, the predominating grain-size is fine. This rock exhibits a pronounced, albeit weak foliation: localized strain is present.
		MIS				
407.3	408				Core missing due to "wedge cut".	
		G				
408	423	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains textural features that are most indicative of fgr-mgr garnetiferous bands of amphibole/chlorite: many of these bands contain fgr Po.	Some sections within this entity exhibit mgr crystal constituents, however, the predominating grain-size is fine. This rock exhibits a pronounced, albeit weak foliation: localized strain is present. Lower contact is gradational.
423	423.5	2	GG	POR BL	Grey-dark green fgr-mgr mafic metavolcanic exhibiting appreciable chlorite/amphibole alteration: alteration primarily occurs as bands/patches that houses mgr garnet crystals. This entity contains a noteworthy quantity of fgr Po mineralization.	Lower contact is gradational. This rock houses an appreciable quantity of fgr Po mineralization. Lower contact is gradational.
423.5	424.7	7A	DG	MA	Dark green fgr-mgr mafic entity that is resemblant of a gabbro; perhaps this rock is an altered mafic metavolcanic exhibiting dynamic recrystallization. This rock shows patches of chlorite and carbonate alteration.	
424.7	426.8	2	GG	MA	Grey-green fgr massive mafic metavolcanic exhibiting patches of what is most resemblant of weak-moderate chlorite alteration. Lower contact is irregular.	
426.8	427.2	QT2	W	MA	White cgr massive quartz vein exhibiting a sharp lower contact.	
		VN				
427.2	447.1	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by numerous quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po mineralization. Lower contact is gradational.	This entity houses garnet-bearing bands of chlorite/amphibole. Lower contact is gradational.

Unit	Comments
2U	

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-005

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013126	439.6	440.6	0.012																	
	F013127	440.6	441.6	0.021																	
	F013128	441.6	442.6	0.01																	
	F013129	442.6	443.6	0.014																	
	F013131	443.6	444.6	0.018	427.2	447.1	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by numerous quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po mineralization. Lower contact is gradational.	This entity houses garnet-bearing bands of chlorite/amphibole. Lower contact is gradational.										
444	F013132	444.6	445.1	0.022																	
	F013133	445.1	446.1	0.01																	
	F013134	446.1	447.1	0.01																	
	F013135	447.1	447.6	0.01	447.1	447.6	7A	GG	POR BL	Grey-dark green fgr-mgr mafic entity that is resemblant of some sort of gabbro. This rock is also indicative of a mafic metavolcanic exhibiting an overprinting of garnetiferous biotite/chlorite/amphibole alteration patches.	Perhaps incoming fluids initiated some form of dynamic recrystallization. This rock contains an appreciable quantity of fgr Po mineralization. Lower contact is gradational.										
	F013136	447.6	448	0.015																	
	F013137	448	448.3	0.01																	
	F013138	448.3	448.7	0.023																	
	F013139	448.7	449	0.01																	
449	F013141	449	449.6	0.014																	
	F013142	449.6	450.4	0.021																	
	F013143	450.4	451.4	0.01																	
	F013144	451.4	452.4	0.01																	
	F013145	452.4	453.2	0.01																	
	F013146	453.2	454	0.01																	
	F013147	454	454.9	0.01																	
455	F013148	454.9	455.9	0.012																	
	F013149	455.9	456.9	0.01																	
	F013151	456.9	457.5	0.067																	
	F013152	457.5	457.8	0.011																	
	F013153	457.8	458.5	0.01																	
	F013154	458.5	458.8	0.011																	
460	F013155	458.8	459.8	0.013																	
	F013156	459.8	460.8	0.013																	
	F013157	460.8	461.8	0.01																	
	F013158	461.8	462.8	0.012																	
	F013159	462.8	463.4	0.029																	
	F013161	463.4	464.1	0.041																	
	F013162	464.1	464.7	0.014	447.6	486.9	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic that is punctuated by quartz-carbonate veins/veinlets. This entity houses a sparse quantity of fgr Po mineralization.	This section contains an appreciable quantity of garnetiferous bands of chlorite and amphibole; patches are also present. Amphibole crystals within alteration patches are predominantly medium-grained. Lower contact is diffuse.										
465	F013163	464.7	465.7	0.025																	
	F013164	465.7	466.5	0.015																	
	F013165	466.5	466.9	0.022																	
	F013166	466.9	467.7	0.023																	
	F013167	467.7	468	0.049																	
	F013168	468	468.9	0.01																	
	F013169	468.9	469.2	0.03																	
470	F013171	469.2	469.7	0.013																	
	F013172	469.7	470.3	0.022																	
	F013173	470.3	470.8	0.028																	
	F013174	470.8	471.2	0.048																	
	F013175	471.2	472.2	0.01																	
	F013176	472.2	473.1	0.01																	
	F013177	473.1	473.9	0.016																	
	F013178	473.9	474.5	0.012																	
475	F013179	474.5	475.5	0.01																	
	F013181	475.5	476.5	0.015																	
	F013182	476.5	477.2	0.01																	
	F013183	477.2	477.8	0.014																	
	F013184	477.8	478.3	0.01																	
	F013185	478.3	479.3	0.01																	
480	F013186	479.3	480.3	0.01																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485					447.6	486.9	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic that is punctuated by quartz-carbonate veins/veinlets. This entity houses a sparse quantity of fgr Po mineralization.	This section contains an appreciable quantity of garnetiferous bands of chlorite and amphibole: patches are also present. Amphibole crystals within alteration patches are predominantly medium-grained. Lower contact is diffuse.									
					486.9	487.4	1	GG	MA	Grey-green fg massive non-magnetic ultramafic intrusive exhibiting appreciable talc alteration. Lower contact is diffuse.										
490																					
495																					
	F013187	495.5	496.5	0.01																	
	F013188	496.5	497.5	0.01																	
	F013189	497.5	498.3	0.012																	
	F013191	498.3	498.6	0.017																	
	F013192	498.6	499.6	0.016																	
500	F013193	499.6	500.6	0.023																	
	F013194	500.6	501.6	0.016	487.4	515.7	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic punctuated by quartz-carbonate, carbonate, and quartz veins/veinlets. This entity contains sparse fgr Po mineralization. Lower contact is sharp.											
	F013195	501.6	502.6	0.024																	
	F013196	502.6	503.3	0.01																	
	F013197	503.3	503.9	0.013																	
	F013198	503.9	504.2	0.012																	
505	F013199	504.2	505.2	0.021																	
	F013201	505.2	506.2	0.01																	
	F013202	506.2	506.7	0.01																	
	F013203	506.7	507.3	0.034																	
	F013204	507.3	507.7	0.026																	
	F013205	507.7	508.7	0.012																	
	F013206	508.7	509.7	0.015																	
510	F013207	509.7	510.7	0.024																	
	F013208	510.7	511.7	0.01																	
	F013209	511.7	512.7	0.02																	
	F013211	512.7	513.7	0.038																	
	F013212	513.7	514.7	0.051																	
	F013213	514.7	515.2	0.048																	
515	F013214	515.2	515.7	0.032																	
	F013215	515.7	516	0.057	515.7	516	QTZ VN	W		White cgr quartz-carbonate vein intermixed with host "2" lithology. This entity contains a sparse quantity of fgr Po mineralization. Lower contact is irregular.											
	F013216	516	516.4	0.014																	
	F013217	516.4	517.4	0.044																	
	F013218	517.4	518.4	0.022																	
	F013219	518.4	519	0.021	516	543.5	2	GG	MA	Grey-green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po mineralization and exhibits localized strain.											
	F013221	519	519.5	0.036																	
	F013222	519.5	519.8	0.029																	
520	F013223	519.8	520.8	0.01																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013223	519.8	520.8	0.01																	
	F013224	520.8	521.8	0.01																	
	F013225	521.8	522.8	0.01																	
	F013226	522.8	523.8	0.018																	
	F013227	523.8	524.8	0.016																	
525	F013228	524.8	525.8	0.015																	
	F013229	525.8	526.8	0.01																	
	F013231	526.8	527.4	0.028																	
	F013232	527.4	527.9	0.035																	
	F013233	527.9	528.9	0.017																	
	F013234	528.9	529.9	0.028																	
530	F013235	529.9	530.9	0.012																	
	F013236	530.9	531.9	0.019																	
	F013237	531.9	532.3	0.01																	
	F013238	532.3	532.8	0.01	516	543.5	2	GG	MA	Grey-green fgr massive mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po mineralization and exhibits localized strain.											
	F013239	532.8	533.1	0.018																	
	F013241	533.1	534.1	0.01																	
	F013242	534.1	534.9	0.011																	
535	F013243	534.9	535.2	0.01																	
	F013244	535.2	536	0.022																	
	F013245	536	536.3	0.027																	
	F013246	536.3	537.3	0.346																	
	F013247	537.3	538	0.023																	
	F013248	538	538.7	0.172																	
	F013249	538.7	539.3	0.05																	
	F013251	539.3	539.9	0.036																	
540	F013252	539.9	540.5	0.025																	
	F013253	540.5	541.2	0.048																	
	F013254	541.2	541.8	0.025																	
	F013255	541.8	542.2	0.017																	
	F013256	542.2	542.5	0.017																	
	F013257	542.5	543.1	0.016																	
	F013258	543.1	543.5	0.024																	
545					543.5	546				Core is assumed to have been ground by drill.											
	F013259	546	546.4																		
	F013261	546.4	547.4	0.021																	
	F013262	547.4	548.4	0.025																	
	F013263	548.4	549	0.036																	
	F013264	549	549.5	0.018																	
	F013265	549.5	550.4	0.026																	
	F013266	550.4	550.9	0.011																	
550	F013267	550.9	551.3	0.031																	
	F013268	551.3	552	0.019																	
	F013269	552	552.5	0.025																	
	F013271	552.5	553.1	0.023																	
	F013272	553.1	553.4	0.027	546	558.4	2	GG	MA	Grey-green fgr massive mafic metavolcanic exhibiting pronounced strain and punctuated by numerous quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po mineralization. Lower contact is sharp.											
	F013273	553.4	554	0.039																	
	F013274	554	554.3	0.027																	
	F013275	554.3	554.6	0.036																	
555	F013276	554.6	555.6	0.058																	
	F013277	555.6	556.6	0.052																	
	F013278	556.6	557.4	0.019																	
	F013279	557.4	557.7	0.015																	
	F013281	557.7	558.4	0.017																	
	F013282	558.4	558.8	0.049	558.4	558.8	6N	B	MA	Brown-grey fgr metasediment containing an appreciable quantity of fgr Po mineralization. Lower contact is sharp.											
	F013283	558.8	559.8	0.028	558.8	597.5	2	GG	MA	Grey-green fgr massive mafic metasediment exhibiting pronounced strain and punctuated by quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po and Py mineralization. Lower contact is irregular.											
560	F013284	559.8	560.8	0.024																	
				0.017																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013284	559.8	560.8	0.017																	
	F013285	560.8	561.6	0.033																	
	F013286	561.6	562.1	0.034																	
	F013287	562.1	563	0.041								QTZ									
	F013288	563	563.3	0.022								VN									
	F013289	563.3	563.6	0.057																	
560	F013291	563.6	564.6	0.049																	
	F013292	564.6	565.5	0.045																	
	F013293	565.5	566	0.062																	
	F013294	566	566.3	0.125																	
	F013295	566.3	567.3	0.024																	
	F013296	567.3	567.6	0.01																	
	F013297	567.6	568.2	0.013																	
	F013298	568.2	568.6	0.01																	
570	F013299	568.6	569.2	0.011																	
	F013301	569.2	570.2	0.01																	
	F013302	570.2	571	0.01																	
	F013303	571	572	0.01																	
	F013304	572	573	0.01																	
	F013305	573	574	0.01																	
	F013306	574	575	0.01																	
575	F013307	575	576	0.013																	
	F013308	576	577	0.018																	
	F013309	577	578	0.011																	
	F013311	578	579	0.014	558.8	597.5	2	GG	MA	Grey-green fgr massive mafic metasediment exhibiting pronounced strain and punctuated by quartz-carbonate veins/veinlets. This entity contains an appreciable quantity of fgr Po and Py mineralization. Lower contact is irregular.											
	F013312	579	580	0.015																	
580	F013313	580	581	0.025																	
	F013314	581	581.5	0.026																	
	F013315	581.5	582.2	0.148																	
	F013316	582.2	583.2	0.055																	
	F013317	583.2	584.2	0.017																	
	F013318	584.2	584.8	0.01																	
585	F013319	584.8	585.5	0.027																	
	F013321	585.5	586.5	0.01																	
	F013322	586.5	587.5	0.01																	
	F013323	587.5	588.5	0.018																	
	F013324	588.5	589.5	0.01																	
590	F013325	589.5	590.5	0.019																	
	F013326	590.5	591.5	0.011																	
	F013327	591.5	592.5	0.021																	
	F013328	592.5	592.9	0.047																	
	F013329	592.9	593.2	0.026																	
	F013331	593.2	594.2	0.065																	
	F013332	594.2	595.2	0.036																	
595	F013333	595.2	596	0.032																	
	F013334	596	596.3	1.053																	
	F013335	596.3	597.2	0.016																	
	F013336	597.2	597.5	0.022																	
	F013337	597.5	598.1	0.033	597.5	598.1		B	MA	Brown-grey fgr rock that is most indicative of a metasediment. This entity exhibits strain, contains appreciable fgr Po mineralization, and is punctuated by quartz-carbonate veinlets. Lower contact is sharp.											
	F013338	598.1	599.1	0.014																	
	F013339	599.1	600.1	0.01	598.1	600.6	2	GG	DIST	Grey-green-brown fgr massive rock exhibiting pronounced strain and quartz-carbonate veining. This entity appears to be a mixture of "2" and "6" material. This section houses a sparse quantity of fgr Po mineralization. Lower contact is irregular.											
	F013341	600.1	600.6	0.01																	
600	F013342	600.6	600.9	0.01	600.6	601.2	QTZ VN	W	MA	Whit cgr massive quartz vein containing a sparse quantity of fgr Po mineralization. Lower contact is sharp.											

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Assay

Sample	From	To	AU ppm
F013342	600.6	600.9	0.01
F013343	600.9	601.2	0.01
F013344	601.2	602.2	0.01
F013345	602.2	602.7	0.02
F013346	602.7	603.5	0.01
F013347	603.5	604.5	0.01
F013348	604.5	604.8	0.01
F013349	604.8	605.8	0.01
F013351	605.8	606.8	0.013
F013352	619.9	620.9	0.014
F013353	620.9	621.9	0.01
F013354	621.9	622.2	0.01
F013355	622.2	623.2	0.014
F013356	623.2	624.2	0.01
F013357	624.2	625.2	0.01
F013358	625.2	625.9	0.01
F013359	625.9	626.6	0.018
F013361	626.6	626.9	0.01
F013362	626.9	627.9	0.01
F013363	627.9	628.9	0.012
F013364	628.9	629.2	0.01
F013365	629.2	630	0.022
F013366	630	630.3	0.013
F013367	630.3	631.3	0.01
F013368	631.3	632.3	0.01
F013369	632.3	633.3	0.023
F013371	633.3	634.3	0.018
F013372	634.3	635	0.03
F013373	635	635.5	0.017
F013374	635.5	635.8	0.042
F013375	635.8	636.1	0.027
F013376	636.1	637.1	0.012
F013377	637.1	637.9	0.034
F013378	637.9	638.2	0.029
F013379	638.2	639.2	0.028
F013381	639.2	640.2	0.012
F013382	640.2	641.2	0.023

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
600.6	601.2	QTZ VN	W	MA	Whit cgr massive quartz vein containing a sparse quantity of fgr Po mineralization. Lower contact is sharp.	
601.2	603.5	2	GG	DIST	Grey-green fgr mafic metavolcanic exhibiting pronounced strain. This entity is punctuated by numerous quartz-carbonate veins/veinlets and contains a sparse quantity of fgr Po mineralization. Lower contact is irregular.	
603.5	609.4		G	MA	Dark grey fgr massive rock that is most indicative of some sort of metasediment. This entity contains localized mgr sub-euhedral garnet crystals. This rock exhibits textural features that are resemblant of patches of biotite and amphibole.	This rock houses a sparse quantity of fgr Po mineralization.
609.4	611.3				Section is assumed to have been ground by the drillers.	
611.3	621.9				Dark grey fgr massive rock that is most indicative of some sort of metasediment. This entity contains localized mgr sub-euhedral garnet crystals. This rock exhibits textural features that are resemblant of patches of biotite and amphibole.	This section evidence low magnetic susceptibility (~0.17-0.2) values and sparse patches of weak sericite alteration: perhaps this section is comprised of some sort of "3" material. Lower contact is sharp.
621.9	622.2		W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.	
622.2	625.9		G	MA	Dark grey fgr massive rock that is most indicative of some sort of metasediment. This entity contains localized mgr sub-euhedral garnet crystals. This rock exhibits textural features that are resemblant of patches of biotite and amphibole.	This section evidence low magnetic susceptibility (~0.17-0.2) values and sparse patches of weak sericite alteration: perhaps this section is comprised of some sort of "3" material. Lower contact is irregular.
625.9	626.6	QTZ VN	W	MA	White cgr massive quartz vein exhibiting a sharp lower contact.	
626.6	635.5	3F	G	POR	Dark grey fgr massive felsic rock exhibiting textural features that are resemblant of small lapilli. This entity exhibits patches of weak-moderate sericite, biotite, and carbonate alteration.	This rock houses a sparse quantity of localized fgr Po and Py mineralization. This section appears to be most indicative of a felsic lapilli tuff: perhaps this is actually some sort of "6" material. Lower contact is irregular.
635.5	636.1	6W	G	POR BL	Dark grey fgr rock that is most resemblant of a garnet-bearing metasediment. This entity houses a sparse quantity of fgr Po mineralization. Lower contact is gradational.	
636.1	637.9		G	MA	Grey fgr massive metasediment exhibiting pronounced strain and patches of carbonate alteration. Lower contact is irregular.	
637.9	638.2		W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.	
638.2	645.3		G	MA	Grey fgr massive metasediment exhibiting patches of carbonate alteration. Lower contact is gradational.	

MINOR UNIT

Unit	Comments
QTZ VN	

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-005

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013382	640.2	641.2	0.023																	
	F013383	641.2	642.2	0.036	638.2	645.3		G	MA	Grey fgr massive metasediment exhibiting patches of carbonate alteration. Lower contact is gradational.											
	F013384	642.2	643.2	0.01																	
	F013385	643.2	644.2	0.018																	
	F013386	644.2	645	0.013																	
640	F013387	645	645.3	0.027																	
	F013388	645.3	646.3	0.034	645.3	647	6W	G	POR BL	Grey-brown fgr massive garnet-bearing metasediment: garnet crystals are predominantly mgr and an-subhedral. This entity contains a sparse quantity of fgr Po mineralization. Lower contact is gradational.											
	F013389	646.3	647	0.01																	
	F013391	647	648	0.01	647	648		G	MA	Grey-brown fgr massive metasediment exhibiting appreciable strain. Lower contact is gradational.											
	F013392	648	648.6	0.01	648	649.7	6W	G	POR BL	Grey-brown fgr massive garnet-bearing metasediment. This entity contains a sparse quantity of fgr Po mineralization. As the lower contact is approached amphibole content becomes apparent: perhaps there is some mixing of "6" and "2" material.	Lower contact is gradational.										
	F013393	648.6	649.1	0.027																	
	F013394	649.1	649.7	0.01																	
650	F013395	649.7	650.7	0.01	649.7	657	2	GG	DIST	Grey-green fgr massive mafic metavolcanic that exhibits pronounced strain: segments of this unit appear to exhibit a textural feature that is resemblant of intermixed "6" and "2" material.	This entity houses an appreciable quantity of fgr Po mineralization. Lower contact is absent, for its locality belongs to a section of ground core.										
	F013396	650.7	651.7	0.01																	
	F013397	651.7	652.7	0.01																	
	F013398	652.7	653.3	0.01																	
	F013399	653.3	654.3	0.01																	
655	F013401	654.3	655.3	0.01																	
	F013402	655.3	656.3	0.028																	
	F013403	656.3	657	0.025																	
					657	659				Core is assumed to have been ground by drill.											
	F013404	659	659.7	0.022	659	659.7		G	DIST	Grey-brown fgr metasediment exhibiting appreciable strain. Lower contact is sharp.											
660	F013405	659.7	660.7	0.015	659.7	676.1	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic exhibiting pronounced localized strain and brecciation. This entity houses a sparse quantity of localized fgr Po mineralization.	Significant quartz-carbonate material is present within zones of high strain and brecciation. Pervasive carbonate alteration is present as sharp lower contact is approached.										
	F013406	660.7	661.7	0.014																	
	F013407	661.7	662.3	0.012																	
	F013408	662.3	663.1	0.016																	
	F013409	663.1	663.6	0.02																	
	F013411	663.6	664.1	0.031																	
665	F013412	664.1	665.1	0.019																	
	F013413	665.1	666.1	0.016																	
670																					
675																					
					676.1	678.8		G	MA	Grey-brown fgr metasediment exhibiting textural features that are most indicative of laminae. Lower contact is irregular.											
					678.8	679.2	2	DG		Dark green fgr mafic metavolcanic exhibiting an irregular lower contact.											
680					679.2	687.3		G	MA	Grey-brown fgr massive metasediment evidencing textural features that are most indicative of laminae. Lower contact is irregular.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					679.2	687.3		G	MA	Grey-brown fgr massive metasediment evidencing textural features that are most indicative of laminae. Lower contact is irregular.											
685	F013414	685.3	686.3	0.01																	
	F013415	686.3	687.3	0.017																	
	F013416	687.3	687.8	0.018	687.3	689.3	6W	GG	POR BL	Grey-green-brown fgr metasediment exhibiting intense deformation. This entity contains a significant quantity of mgr garnet crystals. An appreciable quantity of carbonate alteration is present within this section.	Some localities appear to have been variably altered/metamorphosed to amphibole. Lower contact is gradational.										
	F013417	687.8	688.8	0.018																	
	F013418	688.8	689.3	0.011																	
	F013419	689.3	690.3	0.013	689.3	692.9		G	DIST	Grey-brown fgr massive metasediment exhibiting pronounced strain and brecciation. This entity houses an appreciable quantity of fgr Po mineralization. This rock contains a significant quantity of quartz-carbonate veining. Lower contact is gradational.											
690	F013421	690.3	691.3	0.011																	
	F013422	691.3	692	0.013																	
	F013423	692	692.9	0.029																	
	F013424	692.9	693.9	0.027	692.9	711.4	2	GG	DIST	Grey-green fgr massive rock that exhibiting pronounced strain and brecciation. This entity contains an appreciable quantity of fgr Po mineralization. This rock is resemblant of "2" material.	Perhaps this section is comprised of "6" material that has been variably altered and metamorphosed. A significant quantity of quartz-carbonate veining is present within this section.										
	F013425	693.9	694.9	0.017																	
695	F013426	694.9	695.9	0.011																	
	F013427	695.9	696.6	0.019																	
	F013428	696.6	697.6	0.024																	
	F013429	697.6	698.6	0.024																	
	F013431	698.6	699.6	0.025																	
700	F013432	699.6	700.3	0.018																	
	F013433	700.3	701	0.01																	
	F013434	701	702	0.01																	
	F013435	702	703	0.01																	
	F013436	703	703.6	0.025																	
	F013437	703.6	704.6	0.01																	
705	F013438	704.6	705.3	0.014																	
	F013439	705.3	705.9	0.01																	
	F013441	705.9	706.2	0.01																	
	F013442	706.2	707.2	0.01																	
	F013443	707.2	708	0.014																	
	F013444	708	708.7	0.021																	
	F013445	708.7	709.7	0.01																	
710	F013446	709.7	710.7	0.166																	
	F013447	710.7	711.4	0.01																	
					711.4	713.7				Core is assumed to have been ground by drill.											
	F013448	713.7	714.2	0.012	713.7	744.4		G	MA	Grey fgr massive metasediment punctuated by quartz-carbonate and quartz veins/veinlets. This entity contains a sparse quantity of fgr Po mineralization. This rock houses localized semi-pervasive patches of weak-moderate carbonate alteration.	Patches of weak sericite alteration are present within this unit. Perhaps this section is comprised of some sort of "3" material. Lower contact is gradational.	QTZ VN									
	F013449	714.2	714.8	0.011																	
715	F013451	714.8	715.8	0.023																	
	F013452	715.8	716.8	0.021																	
	F013453	716.8	717.8	0.012																	
	F013454	717.8	718.8	0.027																	
	F013455	718.8	719.8	0.026																	
720	F013456	719.8	720.8	0.014																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013456	719.8	720.8	0.014	713.7	744.4		G	MA	Grey fgr massive metasediment punctuated by quartz-carbonate and quartz veins/veinlets. This entity contains a sparse quantity of fgr Po mineralization. This rock houses localized semi-pervasive patches of weak-moderate carbonate alteration.	Patches of weak sericite alteration are present within this unit. Perhaps this section is comprised of some sort of "3" material. Lower contact is gradational.										
	F013457	720.8	721.7	0.027																	
	F013458	721.7	722.4	0.018																	
	F013459	722.4	722.7	0.017																	
	F013461	722.7	723.7	0.01																	
	F013462	723.7	724.7	0.011																	
725	F013463	724.7	725.7	0.01																	
	F013464	725.7	726.7	0.01																	
	F013465	726.7	727.5	0.01																	
	F013466	727.5	728.2	0.01																	
	F013467	728.2	729	0.01																	
	F013468	729	729.6	0.01																	
730	F013469	729.6	730.3	0.021																	
	F013471	730.3	731.1	0.01																	
	F013472	731.1	731.9	0.01																	
	F013473	731.9	732.3	0.01																	
	F013474	732.3	732.6	0.031																	
	F013475	732.6	733.6	0.031																	
	F013476	733.6	734.6	0.017																	
735	F013477	734.6	735.1	0.026																	
	F013478	735.1	736.1	0.01																	
	F013479	736.1	736.6	0.01																	
	F013481	736.6	737.2	0.01																	
	F013482	737.2	738	0.011								QTZ VN									
	F013483	738	739	0.01																	
	F013484	739	740	0.01																	
740	F013485	740	741	0.023								QTZ VN									
	F013486	741	742	0.01																	
	F013487	742	743	0.01																	
	F013488	743	743.4	0.01																	
	F013489	743.4	744.1	0.01																	
	F013491	744.1	744.4	0.015																	
745	F013492	744.4	745.4	0.021	744.4	747.6	GW	G	POR BL	Grey-brown fgr massive metasediment characterized by mgr an-subhedral garnet porphyroblasts. Lower contact is gradational.											
	F013493	745.4	746.4	0.01																	
	F013494	746.4	747	0.017																	
	F013495	747	747.6	0.015																	
	F013496	747.6	748.6	0.01	747.6	751.9		G	MA	Grey-brown fgr massive rock that is most indicative of a metasediment. This entity contains sparse garnet porphyroblasts and is characterized by semi-pervasive patches of weak carbonate alteration. This rock exhibits weak sericite alteration.	A significant quantity of localized fgr Po mineralization is present within this entity. Perhaps this section is comprised of some sort of "3" material. Lower contact is gradational.										
	F013497	748.6	749.6	0.01																	
750	F013498	749.6	750	0.01																	
	F013499	750	751	0.013																	
	F013501	751	751.9	0.013																	
	F013502	751.9	752.9	0.01	751.9	767	2	GG	MA	Grey-green fgr massive mafic metavolcanic rock exhibiting pronounced localized brecciation. This entity contains an appreciable quantity of quartz fragments: the entire section appear to exhibit sufficient textural evidence for shearing.	Brecciated localities house significant quartz-carbonate material. Lower contact is sharp.	QTZ VN									
755																					
760																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765					751.9	767	2	GG	MA	Grey-green fgr massive mafic metavolcanic rock exhibiting pronounced localized brecciation. This entity contains an appreciable quantity of quartz fragments: the entire section appear to exhibit sufficient textural evidence for shearing.	Brecciated localities house significant quartz-carbonate material. Lower contact is sharp.										
	F013503	766	767	0.01																	
	F013504	767	767.9	0.016	767	771.7		G	MA	Grey fgr massive metasediment exhibiting localized shear and carbonate alteration. This entity contains a sparse quantity of fgr Po, Py, and Cp mineralization.											
	F013505	767.9	768.4	0.01																	
	F013506	768.4	768.7	0.01																	
	F013507	768.7	769.1	0.012																	
770	F013508	769.1	770.1	0.01																	
	F013509	770.1	771.1	0.01																	
775					771.7	819	3F	G	POR	Fgr-mgr grey porphyritic and weakly foliated felsic lapilli tuff with ~1-2mm lapilli. Mod bt-ms alteration throughout. Unit is intensely distorted and attenuated at UC containing ~1-2cm oval shaped qz nodules, potentially large lapilli.	Intermittent ~1-20cm qz veining with cb alteration. Non-magnetic. Trace po min within litho.										
780																					
785																					
790																					
795																					
800																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810					771.7	819	3F	G	POR	Fgr-mgr grey porphyritic and weakly foliated felsic lapilli tuff with ~1-2mm lapilli. Mod bt-ms alteration throughout. Unit is intensely distorted and attenuated at UC containing ~1-2cm oval shaped qz nodules, potentially large lapilli.	Intermittent ~1-20cm qz veining with cb alteration. Non-magnetic. Trace po min within litho.										
815																					
820					819	820.9				~1.9m missing due to wedge.											
825																					
830					820.9	843.6	3F	G	POR	Fgr-mgr grey porphyritic and weakly foliated felsic lapilli tuff with ~1-2mm lapilli. Mod bt-ms alteration throughout. Unit is intensely distorted and attenuated at UC containing ~1-2cm oval shaped qz nodules, potentially large lapilli.	Intermittent ~1-20cm qz veining with cb alteration. Veining is intermittently moderately folded. Non-magnetic. Trace po min within litho. Sharp LC.										
835																					
840																					

19-NSD-005

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					820.9	843.6	3F	G	POR	Fgr-mgr grey porphyritic and weakly foliated felsic lapilli tuff with ~1-2mm lapilli. Mod bt-ms alteration throughout. Unit is intensely distorted and attenuated at UC containing ~1-2cm oval shaped qz nodules, potentially large lapilli.	Intermittent ~1-20cm qz veining with cb alteration. Veining is intermittently moderately folded. Non-magnetic. Trace po min within litho. Sharp LC.										
845					843.6	845.6	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics, possible mafic sill. Mod-strong bt alteration. Intermittent 0.5-2cm distorted qz/cb veining. Unit contains a sharp knife fault cross-cutting qz/cb veins and itself contains strong chl alteration.	Non-magnetic. No visible min. Sharp LC.										
850					845.6	855	3F	G	POR	Fg grey-brown porphyritic felsic lapilli tuff with ~1-3mm lapilli. Unit is weakly fractured throughout. Weak-mod bt-ms alteration and localized mod-strong pervasive cb-ser alteration. Intermittent 0.5-2cm distorted/folded qz/cb veining.	Non-magnetic. Trace disseminated po min. Gradational LC.										
855					855	857.2				~2.2m missing due to wedging.											
860					857.2	876	3F	G	POR	Fg grey-brown porphyritic felsic lapilli tuff with ~1-3mm lapilli. Unit is weakly fractured throughout. Weak-mod bt-ms alteration and localized mod-strong pervasive cb-ser alteration. Intermittent 0.5-2cm distorted/folded qz/cb veining.	Non-magnetic. Trace disseminated po min. Gradational LC.				STR			MOD	MOD		
865																					
870																					
875															WK				WK		
					876	881.9	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod pervasive cb-ser alteration and weak silicification. Unit is moderately attenuated and sheared. Intermittent 0.5-1cm distorted/folded qz/cb veining. Non-magnetic. No visible min. Gradational LC.											
880																					

19-NSD-005

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					876	881.9	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod pervasive cb-ser alteration and weak silicification. Unit is moderately attenuated and sheared. Intermittent 0.5-1cm distorted/folded qz/cb veining. Non-magnetic. No visible min. Gradational LC.											
885					881.9	886.3	3F	G	POR	Fg grey porphyritic felsic lapilli tuff with strong foliation. Localized strong pervasive cb-ser-amp alt and mod silicification. Intermittent 0.5-3cm distorted qz/cb veining. Unit contains a zone of strong-intense shearing/attenuation and distortion.	Non-magnetic. Trace disseminated po min.				WK				WK		
					886.3	888				~1.7m missing due to wedging.											
890															MOD				STR		
895																					
900																					
905					888	921	3F	G	POR	Fg grey porphyritic felsic lapilli tuff with strong foliation. Localized strong pervasive cb-ser-amp alt and mod silicification. Intermittent 0.5-20cm distorted/folded qz/cb veining/flooding.	Unit contains multiple zones of strong-intense shearing/attenuation and distortion with intermittent qz/cb flooding. Non-magnetic. Trace disseminated po min.										
910												QTZ VN									
915																					
920					921	922.8	MISSING			~1.8m missing due to wedging.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					921	922.8				~1.8m missing due to wedging.											
925																					
930																					
935					922.8	946.5	3F	G	POR	Fg grey porphyritic felsic lapilli tuff with strong foliation. Localized strong pervasive cb-ser-amp alt and mod silicification. Intermittent 0.5-20cm distorted/folded qz/cb veining/flooding.	Unit contains multiple zones of strong-intense shearing/attenuation and distortion with intermittent qz/cb flooding. Non-magnetic. Trace disseminated po min. EOH.	QTZ VN ~~QTZ~~ VN									
940																					
945																					
950																					
955																					
960																					

19-NSD-006

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	3	CASING														
	F020001	3	4	0.005	3	5	2	DG	MA	Grey-green fgr-mgr mafic rock that is punctuated by an appreciable quantity of carbonate veins and veinlets. This entity houses a sparse quantity of fgr Po mineralization. Patches and bands of chlorite/amphibole are present.	The mgr crystal constituents may have resulted from dynamic recrystallization due to metamorphism, and/or alteration. This rock is most indicative of "2" material as opposed to "7A" material. Lower contact is gradational.										
	F020002	4	5	0.08																	
5	F020003	5	6	0.005	5	65.9	2	DG	MA	Dark green fgr mafic metavolcanic that is punctuated by quartz-carbonate, carbonate, and quartz veins/veinlets. This entity houses sparse localized fgr Po and Py mineralization; mineralization is found in patches/bands of chlorite/amphibole alteration.	This lithology evidences localized strain and contains patches/bands of biotite alteration. Lower contact is irregular.										
	F020004	6	7	0.005																	
	F020005	7	8	0.005																	
	F020006	8	9	0.005																	
	F020007	9	10	0.005																	
10	F020008	10	11	0.005																	
	F020009	11	12	0.005																	
	F020011	12	13	0.006																	
	F020012	13	14	0.005																	
	F020013	14	14.4	0.005																	
15	F020014	14.4	15.4	0.005																	
	F020015	15.4	16.4	0.005																	
	F020016	16.4	17.4	0.005																	
	F020017	17.4	18.2	0.005																	
	F020018	18.2	19.2	0.005																	
	F020019	19.2	20.2	0.005																	
20	F020021	20.2	20.8	0.005																	
	F020022	20.8	21.8	0.005																	
	F020023	21.8	22.8	0.005																	
	F020024	22.8	23.1	0.005																	
	F020025	23.1	24.1	0.005																	
	F020026	24.1	25.1	0.005																	
25	F020027	25.1	26.1	0.005																	
	F020028	26.1	26.4	0.005																	
	F020029	26.4	27	0.005																	
	F020031	27	27.6	0.005																	
	F020032	27.6	28.1	0.005																	
	F020033	28.1	29	0.005																	
	F020034	29	29.7	0.005																	
30	F020035	29.7	30.2	0.005																	
	F020036	30.2	30.7	0.005																	
	F020037	30.7	31.5	0.005																	
	F020038	31.5	32	0.005																	
	F020039	32	32.6	0.005																	
	F020041	32.6	33.6	0.005																	
	F020042	33.6	34.2	0.005																	
	F020043	34.2	34.7	0.005																	
35	F020044	34.7	35.5	0.049																	
	F020045	35.5	36.5	0.008																	
	F020046	36.5	37.5	0.005																	
	F020047	37.5	38.5	0.005																	
	F020048	38.5	39.5	0.005																	
	F020049	39.5	39.9	0.005																	
	F020051	39.9	40.9	0.005																	

19-NSD-006

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020051	39.9	40.9	0.005																	
	F020052	40.9	41.5	0.005																	
	F020053	41.5	42	0.005																	
	F020054	42	42.8	0.005																	
	F020055	42.8	43.8	0.005																	
	F020056	43.8	44.2	0.005																	
	F020057	44.2	44.6	0.005																	
45	F020058	44.6	45.5	0.005																	
	F020059	45.5	46.4	0.005																	
	F020061	46.4	47.4	0.006																	
	F020062	47.4	48	0.006																	
	F020063	48	48.6	0.005																	
	F020064	48.6	49.1	0.01																	
	F020065	49.1	50	0.005																	
50	F020066	50	50.4	0.011																	
	F020067	50.4	50.7	0.005																	
	F020068	50.7	51.4	0.005																	
	F020069	51.4	52.3	0.005																	
	F020071	52.3	53.3	0.005	5	65.9	2	DG	MA	Dark green fgr mafic metavolcanic that is punctuated by quartz-carbonate, carbonate, and quartz veins/veinlets. This entity houses sparse localized fgr Po and Py mineralization; mineralization is found in patches/bands of chlorite/amphibole alteration.	This lithology evidences localized strain and contains patches/bands of biotite alteration. Lower contact is irregular.										
	F020072	53.3	53.6	0.005																	
	F020073	53.6	54.3	0.005																	
55	F020074	54.3	55.3	0.005																	
	F020075	55.3	56.3	0.005																	
	F020076	56.3	57.3	0.005																	
	F020077	57.3	58.3	0.006																	
	F020078	58.3	59.3	0.008																	
60	F020079	59.3	60.3	0.01																	
	F020081	60.3	61.3	0.013																	
	F020082	61.3	62.3	0.018																	
	F020083	62.3	63.1	0.014																	
	F020084	63.1	63.9	0.015																	
	F020085	63.9	64.9	0.02																	
65	F020086	64.9	65.9	0.041																	
	F020087	65.9	66.2	0.009	65.9	66.2	QTZ VN	W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.											
	F020088	66.2	67.2	0.013																	
	F020089	67.2	68.2	0.009																	
	F020091	68.2	69	0.006																	
	F020092	69	69.8	0.007																	
70	F020093	69.8	70.2	0.005																	
	F020094	70.2	71.2	0.005																	
	F020095	71.2	72.2	0.005																	
	F020096	72.2	73.2	0.005	66.2	107.2	2	DG	MA	Dark green fgr mafic metavolcanic that is punctuated by quartz-carbonate, carbonate, and quartz veins/veinlets. This entity houses sparse localized fgr Po and Py mineralization; mineralization is found in patches/bands of chlorite/amphibole alteration.	This lithology evidences localized strain and contains patches/bands of biotite alteration. Lower contact is irregular.										
	F020097	73.2	74.2	0.005																	
	F020098	74.2	75	0.005																	
75	F020099	75	75.8	0.011																	
	F020101	75.8	76.1	0.005																	
	F020102	76.1	76.5	0.011																	
	F020103	76.5	77.5	0.009																	
	F020104	77.5	78.5	0.011																	
	F020105	78.5	79	0.009																	
	F020106	79	79.6	0.008																	
	F020107	79.6	80.6	0.043																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020107	79.6	80.6	0.043																	
	F020108	80.6	81.2	0.007																	
	F020109	81.2	81.8	0.006																	
	F020111	81.8	82.4	0.005																	
	F020112	82.4	83	0.006																	
	F020113	83	83.5	0.006																	
	F020114	83.5	84.3	0.013																	
85	F020115	84.3	84.7	0.006																	
	F020116	84.7	85	0.005																	
	F020117	85	86	0.01																	
	F020118	86	87	0.008																	
	F020119	87	87.6	0.008																	
	F020121	87.6	88.2	0.008																	
	F020122	88.2	88.9	0.013																	
	F020123	88.9	89.9	0.006																	
90	F020124	89.9	90.9	0.007																	
	F020125	90.9	91.9	0.012																	
	F020126	91.9	92.9	0.012																	
	F020127	92.9	93.3	0.012																	
	F020128	93.3	93.6	0.017	66.2	107.2	2	DG	MA	Dark green fgr mafic metavolcanic that is punctuated by quartz-carbonate, carbonate, and quartz veins/veinlets. This entity houses sparse localized fgr Po and Py mineralization; mineralization is found in patches/bands of chlorite/amphibole alteration.	This lithology evidences localized strain and contains patches/bands of biotite alteration. Lower contact is irregular.										
	F020129	93.6	94.2	0.015																	
95	F020131	94.2	95.2	0.015																	
	F020132	95.2	96.2	0.011																	
	F020133	96.2	97.2	0.014																	
	F020134	97.2	98.2	0.012																	
	F020135	98.2	99.2	0.014																	
	F020136	99.2	99.7	0.008																	
100	F020137	99.7	100	0.006																	
	F020138	100	100.8	0.007																	
	F020139	100.8	101.4	0.009																	
	F020141	101.4	101.9	0.009																	
	F020142	101.9	102.9	0.011																	
	F020143	102.9	103.9	0.011																	
	F020144	103.9	104.5	0.012																	
105	F020145	104.5	105.2	0.034																	
	F020146	105.2	106.2	0.015																	
	F020147	106.2	107.2	0.343																	
	F020148	107.2	107.7	4.03	107.2	107.7	QTZ VN	W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.											
	F020149	107.7	108.7	0.063																	
	F020151	108.7	109.7	0.014																	
110	F020152	109.7	110.7	0.014																	
	F020153	110.7	111.7	0.014																	
	F020154	111.7	112.7	0.01																	
	F020155	112.7	113.7	0.011	107.7	119.1	2	DG	MA	Dark green fgr massive mafic metavolcanic that is punctuated by numerous quartz-carbonate and carbonate veins/veinlets. This entity exhibits pronounced strain and contains localized fgr Po mineralization. Lower contact is gradational.											
	F020156	113.7	114.7	0.009																	
115	F020157	114.7	115.7	0.009																	
	F020158	115.7	116.3	0.015																	
	F020159	116.3	116.8	0.008																	
	F020161	116.8	117.4	0.01																	
	F020162	117.4	118	0.011						Grey fgr massive non-magnetic rock that exhibits appreciable talc alteration. This entity evidences low magnetic susceptibility readings (~0.3-0.4) and is resemblant of an ultramafic intrusive rock.											
	F020163	118	118.3	0.024																	
	F020164	118.3	119.1	0.009						Dark green fgr massive mafic metavolcanic punctuated by numerous quartz-carbonate veinlets/veins. This entity exhibits pronounced localized strain and contains fgr Po mineralization: noteworthy spans 126.8-127.2m approximately.	Perhaps this section is actually a large alteration patch. Lower contact is sharp.										
	F020165	119.1	119.7	0.008	119.1	119.7	1	G	MA												
	F020166	119.7	120.7	0.009	119.7	139.4	2	DG	MA		Lower contact is irregular.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020166	119.7	120.7	0.009	119.7	139.4	2	DG	MA	Dark green fgr massive mafic metavolcanic punctuated by numerous quartz-carbonate veinlets/veins. This entity exhibits pronounced localized strain and contains fgr Po mineralization: noteworthy spans 126.8-127.2m approximately.	Lower contact is irregular.										
	F020167	120.7	121.7	0.009																	
	F020168	121.7	122.7	0.01																	
	F020169	122.7	123.7	0.016																	
	F020171	123.7	124.7	0.007																	
125	F020172	124.7	125.7	0.01																	
	F020173	125.7	126.3	0.01																	
	F020174	126.3	126.8	0.013																	
	F020175	126.8	127.2	0.042																	
	F020176	127.2	128.2	0.009																	
	F020177	128.2	129.2	0.009																	
	F020178	129.2	130.1	0.014																	
130	F020179	130.1	130.4	0.014																	
	F020181	130.4	131.4	0.014																	
	F020182	131.4	131.7	0.009																	
	F020183	131.7	132.2	0.007																	
	F020184	132.2	132.8	0.019																	
	F020185	132.8	133.3	0.016																	
	F020186	133.3	134.1	0.015																	
	F020187	134.1	134.4	0.168																	
135	F020188	134.4	135.4	0.01																	
	F020189	135.4	136.3	0.007																	
	F020191	136.3	137	0.009																	
	F020192	137	138	0.008																	
	F020193	138	139	0.011																	
	F020194	139	139.4	0.01	139.4	139.7		B	MA	Brown fgr biotite-rich metasediment that is punctuated numerous quartz-carbonate veinlets. This entity exhibits appreciable strain and a sharp lower contact.											
140	F020195	139.4	139.7	0.137	139.7	178.6	2	DG	MA	Dark green fgr massive mafic metavolcanic punctuated by numerous quartz-carbonate and carbonate veins/veinlets. This entity exhibits pronounced strain and contains an appreciable quantity of fgr Po mineralization; sparse Py mineralization is present.	Lower contact is irregular.										
	F020196	139.7	140.2	0.01																	
	F020197	140.2	140.7	0.016																	
	F020198	140.7	141.7	0.049																	
	F020199	141.7	142.7	0.306																	
	F020201	142.7	143.7	0.222																	
	F020202	143.7	144.7	0.034																	
145	F020203	144.7	145.7	0.024																	
	F020204	145.7	146.4	0.01																	
	F020205	146.4	147.4	0.007																	
	F020206	147.4	148.4	0.02																	
	F020207	148.4	149	0.015																	
	F020208	149	149.6	0.014																	
150	F020209	149.6	150.4	0.016																	
	F020211	150.4	151.3	0.018																	
	F020212	151.3	151.6	0.011																	
	F020213	151.6	152.6	0.01																	
	F020214	152.6	153.6	0.009																	
	F020215	153.6	154.2	0.01																	
	F020216	154.2	154.7	0.01																	
155	F020217	154.7	155.7	0.009																	
	F020218	155.7	156.5	0.009																	
	F020219	156.5	157.2	0.01																	
	F020221	157.2	157.9	0.009																	
	F020222	157.9	158.3	0.008																	
	F020223	158.3	158.6	0.009																	
	F020224	158.6	159.6	0.01																	
	F020225	159.6	160.6	0.015																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020225	159.6	160.6	0.015	139.7	178.6	2	DG	MA	Dark green fgr massive mafic metavolcanic punctuated by numerous quartz-carbonate and carbonate veins/veinlets. This entity exhibits pronounced strain and contains an appreciable quantity of fgr Po mineralization; sparse Py mineralization is present.	Lower contact is irregular.										
	F020226	160.6	161.4	0.015																	
	F020227	161.4	162.4	0.013																	
	F020228	162.4	163.4	0.014																	
	F020229	163.4	164.4	0.009																	
165	F020231	164.4	165.4	0.01																	
	F020232	165.4	166.1	0.009																	
	F020233	166.1	166.8	0.009																	
	F020234	166.8	167.8	0.009																	
	F020235	167.8	168.8	0.009																	
	F020236	168.8	169.4	0.011																	
170	F020237	169.4	169.7	0.009																	
	F020238	169.7	170.7	0.008																	
	F020239	170.7	171.7	0.01																	
	F020241	171.7	172.7	0.009																	
	F020242	172.7	173.7	0.007																	
	F020243	173.7	174.7	0.006																	
175	F020244	174.7	175.7	0.006																	
	F020245	175.7	176.7	0.007																	
	F020246	176.7	177.7	0.017																	
	F020247	177.7	178.6	0.008																	
	F020248	178.6	179.6	0.006	178.6	197.4	3F	G	MA	Grey fgr massive felsic rock that is characterized by pervasive weak-moderate patches of biotite and carbonate alteration. This entity contains textural features that are most indicative of lapilli, fragments, and/or (feldspar?) phenocrysts.	This entity is non-magnetic and exhibits relatively low magnetic susceptibility values (~0.15-0.2). Sparse localities of fgr Po mineralization are present within this rock. Weak-moderate patches/bands of sericite are present. Lower contact is sharp.										
180	F020249	179.6	180.5	0.006																	
	F020251	180.5	180.9	0.007																	
	F020252	180.9	181.9	0.012																	
	F020253	181.9	182.9	0.007																	
	F020254	182.9	183.6	0.007																	
	F020255	183.6	183.9	0.008																	
	F020256	183.9	184.9	0.005																	
185	F020257	184.9	185.9	0.005																	
	F020258	185.9	186.5	0.006																	
	F020259	186.5	187.4	0.007																	
	F020261	187.4	188.4	0.005																	
	F020262	188.4	189.4	0.005																	
190	F020263	189.4	190.4	0.005																	
	F020264	190.4	191.4	0.005																	
	F020265	191.4	192.4	0.005																	
	F020266	192.4	193.4	0.005																	
	F020267	193.4	194.4	0.005																	
	F020268	194.4	195.3	0.005																	
195	F020269	195.3	195.6	0.005																	
	F020271	195.6	196.6	0.006																	
	F020272	196.6	197.4	0.005																	
	F020273	197.4	198	0.005	197.4	198	3O	G	MA	Grey fgr felsic intrusive entity exhibiting an irregular lower contact.											
					198	204.2	3F	G	MA	Grey fgr massive felsic rock that is characterized by pervasive weak-moderate patches of biotite and carbonate alteration. This entity is a continuation of the previous "3F" material. Lower contact is sharp.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					198	204.2	3F	G	MA	Grey fgr massive felsic rock that is characterized by pervasive weak-moderate patches of biotite and carbonate alteration. This entity is a continuation of the previous "3F" material. Lower contact is sharp.											
					204.2	204.6	2	DG	MA	Dark green fgr mafic metavolcanic exhibiting an irregular lower contact.											
200	F020274	204.6	205.6	0.005	204.6	206.9		G	MA	Grey-brown fgr massive rock that is most indicative of a metasediment. This entity contains sparse mgr anhedral garnet crystals, as well as weak fgr Po mineralization. Perhaps this rock is a continuation of the previous "3" material.	Lower contact is gradational.										
	F020275	205.6	206.6	0.005																	
	F020276	206.6	206.9	0.005																	
	F020277	206.9	207.6	0.021	206.9	207.6	6W	G	POR BL	Grey-brown fgr rock that is most indicative of a garnetiferous metasediment: garnet porphyroblasts are predominantly mgr and an-subhedral. Lower contact is gradational.											
	F020278	207.6	208.1	0.007	207.6	209		G	MA	Grey-brown fgr rock that is most indicative of a metasediment. This entity contains an appreciable quantity of fgr Po mineralization, as well as sparse fgr-mgr garnet porphyroblasts. Perhaps this is some sort of "3" material.	Lower contact is gradational.										
	F020279	208.1	209	0.005																	
	F020281	209	209.6	0.007	209	209.6	3	G	DIST	Grey fgr felsic rock that exhibits pronounced strain and pervasive carbonate alteration. This entity houses a patch of sericite and contains black blebs/wisps that are indicative of biotite. Appreciable fgr Po mineralization is present.	This rock contains textural features that are resemblant of chewed-up pink/maroon fragments. Lower contact is gradational.										
210	F020282	209.6	210.5	0.005	209.6	211.2		G	MA	Grey-brown fgr massive rock that is most resemblant of some sort of metasediment. This entity exhibits pronounced strain and contains a significant quantity of quartz-carbonate veins/veinlets.	An appreciable quantity of fgr Po mineralization is present within this section. Lower contact is gradational.										
	F020283	210.5	210.9	0.005																	
	F020284	210.9	211.2	0.005																	
	F020285	211.2	211.5	0.005	211.2	246.2	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic unit that exhibits pronounced strain/brecciation. This rock houses an appreciable quantity of localized fgr Po mineralization and is punctuated by distorted quartz-carbonate veins/veinlets.	Lower contact is gradational.										
	F020286	211.5	212	0.005																	
	F020287	212	213	0.005																	
	F020288	213	214	0.005																	
	F020289	214	215	0.005																	
215	F020291	215	216	0.005																	
	F020292	216	216.5	0.005																	
	F020293	216.5	217.1	0.005																	
	F020294	217.1	217.4	0.005																	
	F020295	217.4	218.4	0.005																	
	F020296	218.4	219.4	0.005																	
220	F020297	219.4	220.4	0.005																	
	F020298	220.4	221.4	0.005																	
	F020299	221.4	222.4	0.005																	
	F020301	222.4	223.1	0.005																	
	F020302	223.1	224	0.005																	
	F020303	224	225	0.005																	
225	F020304	225	226	0.005																	
	F020305	226	227	0.005																	
230																					
235																					
240																					

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245					211.2	246.2	2	GG	MA	Grey-dark green fgr massive mafic metavolcanic unit that exhibits pronounced strain/brecciation. This rock houses an appreciable quantity of localized fgr Po mineralization and is punctuated by distorted quartz-carbonate veins/veinlets.	Lower contact is gradational.										
250					246.2	252.9	3	G	FOL	Grey fgr felsic rock exhibits a distinct foliation and patches/bands of weak sericite alteration. This entity contains sparse mgr garnet porphyroblasts. No discernable "lapilli" were observed within this entity.	The section spanning 251.0-252.9m is somewhat resemblant of "6W" material, however, compositionally and texturally it appears to be most resemblant of garnetiferous "3" material. Lower contact is irregular.										
255					252.9	263.8		G	MA	Dark grey fgr massive metasediment exhibiting pronounced brecciation/high strain. This entity contains an appreciable quantity of localized fgr Po mineralization. Euhedral mgr garnet crystals are present from 258.6-258.8m approximately.	Perhaps this section is actually some sort of "3" material. This section evidences low magnetic susceptibility values. Lower contact is irregular.	6W	Euhedral mgr garnet crystals.								
	F020306	257.1	258.1	0.005																	
	F020307	258.1	259.1	0.04																	
260	F020308	259.1	260.1	0.005																	
	F020309	260.1	260.9	0.007																	
	F020311	260.9	261.9	0.005																	
	F020312	261.9	262.9	0.007																	
	F020313	262.9	263.8	0.006																	
	F020314	263.8	264.2	0.005	263.8	264.2	QTZ	W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.											
265	F020315	264.2	265.2	0.015	264.2	270.2		G	DIST	Dark grey fgr massive rock that is most indicative of sheared/brecciated "6" material: perhaps this section is actually comprised of "3" material. This entity contains an appreciable quantity of fgr Po mineralization.	This section evidences appreciable biotite and carbonate alteration. The rock is punctuated by quartz-carbonate veins/veinlets. Low magnetic susceptibility values are shown (~0.1-0.2). Lower contact is irregular.										
	F020316	265.2	266.2	0.005																	
	F020317	266.2	267.2	0.005																	
	F020318	267.2	267.8	0.005																	
	F020319	267.8	268.4	0.009																	
	F020321	268.4	269.4	0.005																	
	F020322	269.4	270.2	0.006																	
270	F020323	270.2	271	0.005	270.2	271	QTZ VN	W	MA	White cgr massive quartz-vein exhibiting an irregular lower contact.											
	F020324	271	271.3	0.005	271	285.3		G	DIST	Dark grey fgr massive rock that is most indicative of sheared/brecciated "6" material: perhaps this section is actually comprised of "3" material. This entity is punctuated by numerous distorted quartz-carbonate veins/veinlets.	Minor methane fault-bearing lamprophyre dykes are present from 278.7-279.7m approximately. This section houses an appreciable quantity of fgr Po mineralization. Low magnetic susceptibility values are shown (~0.1-0.2). Lower contact is irregular.										
	F020325	271.3	271.9	0.005																	
	F020326	271.9	272.9	0.005																	
	F020327	272.9	273.9	0.005																	
	F020328	273.9	274.9	0.005																	
275	F020329	274.9	275.8	0.005																	
	F020331	275.8	276.2	0.005																	
	F020332	276.2	276.9	0.005																	
	F020333	276.9	277.4	0.005																	
	F020334	277.4	278.4	0.005																	
	F020335	278.4	279.2	0.005								13									
	F020336	279.2	280.2	0.005								13									
280	F020337	280.2	281.2	0.005								13									

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020337	280.2	281.2	0.005							Minor methane fault-bearing lamprophyre dykes are present from 278.7-279.7m approximately. This section houses an appreciable quantity of fgr Po mineralization. Low magnetic susceptibility values are shown (~0.1-0.2). Lower contact is irregular.										
	F020338	281.2	282.2	0.005																	
	F020339	282.2	283.2	0.005	271	285.3		G	DIST	Dark grey fgr massive rock that is most indicative of sheared/brecciated "6" material: perhaps this section is actually comprised of "3" material. This entity is punctuated by numerous distorted quartz-carbonate veins/veinlets.											
	F020341	283.2	283.5	0.005																	
	F020342	283.5	284	0.005																	
	F020343	284	284.3	0.005																	
280	F020344	284.3	285.3	0.005																	
	F020345	285.3	285.7	0.005	285.3	285.7	13	G	MA	Dark grey fgr-mgr lamp dyke exhibiting an irregular lower contact.		13									
	F020346	285.7	286.6	0.005																	
	F020347	286.6	287	0.005	285.7	289.8		G	MA	Dark grey fgr massive rock that is most indicative of "6" material. This entity contains a couple minor lamprophyre dyke units. Sparse fgr Po mineralization is present within this section. Lower contact is irregular.											
	F020348	287	287.3	0.007																	
	F020349	287.3	287.9	0.007								13	fgr-mgr								
	F020351	287.9	288.9	0.007																	
290	F020352	288.9	289.8	0.006	289.8	290.1		W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.											
	F020353	289.8	290.1	0.035																	
	F020354	290.1	290.5	0.012																	
	F020355	290.5	291.5	0.005																	
	F020356	291.5	292.5																		
	F020357	292.5	293.5	0.005																	
	F020358	293.5	294	0.005																	
	F020359	294	295	0.006																	
295	F020361	295	295.6	0.007																	
	F020362	295.6	295.9	0.005																	
	F020363	295.9	296.9	0.019																	
	F020364	296.9	297.4	0.006																	
	F020365	297.4	297.7	0.006								3	Light grey rock that is highly indicative of "3" material. Perhaps this is an alteration patch within a larger "6" body.								
	F020366	297.7	298.7	0.005																	
	F020367	298.7	299	0.005																	
300	F020368	299	300	0.006																	
	F020369	300	300.7	0.005																	
	F020371	300.7	301.7	0.007																	
	F020372	301.7	302.3	0.007																	
	F020373	302.3	302.9	0.006							Low magnetic susceptibility values are evidenced within this section (~0.1-0.2). This entity is punctuated by quartz-carbonate and carbonate material as distorted wisps/veinlets. Sparse localized mgr garnet is present. Lower contact is irregular.											
	F020374	302.9	303.6	0.018																	
	F020375	303.6	304.2	0.008																	
305	F020376	304.2	305.2	0.006	290.1	319.7		G	DIST	Dark grey fgr massive rock that is most indicative of sheared/brecciated "6" material: perhaps this section is actually comprised of "3" material. This entity houses an appreciable quantity of fgr Po mineralization. Weak sericite alteration is present.											
	F020377	305.2	306	0.006																	
	F020378	306	306.6	0.007																	
	F020379	306.6	307.4	0.005																	
	F020381	307.4	308.4	0.006																	
	F020382	308.4	309.3	0.006																	
	F020383	309.3	309.6	0.005																	
310	F020384	309.6	310.6	0.007																	
	F020385	310.6	311.6	0.006																	
	F020386	311.6	312.6	0.006																	
	F020387	312.6	313.6	0.005																	
	F020388	313.6	314.1	0.006																	
	F020389	314.1	314.5	0.005																	
315	F020391	314.5	315.5	0.047																	
	F020392	315.5	316.5	0.006																	
	F020393	316.5	317.5	0.014																	
	F020394	317.5	318.4	0.011																	
	F020395	318.4	319.1	0.015																	
	F020396	319.1	319.7	0.012																	
320	F020397	319.7	320.7	0.005	319.7	323.8	VN	W	MA	White cgr massive quartz vein exhibiting a sharp lower contact.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020397	319.7	320.7	0.005	319.7	323.8	QTZ VN	W	MA	White cgr massive quartz vein exhibiting a sharp lower contact.											
	F020398	320.7	321.7	0.008																	
	F020399	321.7	322.7	0.017																	
	F020401	322.7	323.3	0.006																	
	F020402	323.3	323.8	0.007																	
	F020403	323.8	324.1	0.011	323.8	343.9		G	MA	Dark grey fgr massive rock that is most indicative of "6" material. This section exhibits strain and contains appreciable fgr Po mineralization. Quartz-carbonate and carbonate material is present in numerous localities.	Low magnetic susceptibility values are evidenced by this rock: perhaps this is some sort of "3" material. Lower contact is irregular.										
325	F020404	324.1	325.1	0.012																	
	F020405	325.1	326.1	0.014																	
	F020406	326.1	326.7	0.01																	
	F020407	326.7	327.4	0.01																	
	F020408	327.4	328	0.011																	
	F020409	328	328.7	0.009																	
	F020411	328.7	329	0.01																	
	F020412	329	329.3	0.01																	
330	F020413	329.3	330.3	0.011																	
	F020414	330.3	331.3	0.013																	
	F020415	331.3	332.3	0.01																	
	F020416	332.3	333	0.011																	
	F020417	333	333.7	0.006																	
	F020418	333.7	334.1	0.007																	
	F020419	334.1	334.5	0.006																	
335	F020421	334.5	335	0.007																	
	F020422	335	336	0.008																	
	F020423	336	337	0.009																	
	F020424	337	337.9	0.01																	
	F020425	337.9	338.4	0.03																	
	F020426	338.4	338.7	0.008																	
	F020427	338.7	339.3	0.009																	
340	F020428	339.3	340.1	0.007																	
	F020429	340.1	341.1	0.007																	
	F020431	341.1	342	0.008																	
	F020432	342	342.5	0.012																	
	F020433	342.5	343.2	0.009																	
	F020434	343.2	343.9	0.012																	
	F020435	343.9	344.3	0.008	343.9	344.3	QTZ VN	W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.											
345	F020436	344.3	345.3	0.009	344.3	345.9		G	DIST	Grey fgr rock that is most indicative of sheared/brecciated "6" material. This entity exhibits significant pervasive carbonate content. Weak biotite alteration is present as wisps and blebs. A very small quantity of fgr Po mineralization is present.	Perhaps this is some sort of "3" material. Lower contact is irregular.										
	F020437	345.3	345.9	0.01																	
	F020438	345.9	346.6	0.005	345.9	346.6	QTZ VN	W	MA	White cgr massive quartz vein exhibiting a sharp lower contact.											
	F020439	346.6	347.6	0.005	346.6	367.8		G	DIST	Grey fgr massive rock that is most indicative of "6" material: perhaps this is some sort of "3" material. This entity evidences pronounced strain. Sparse mgr garnet crystals are present within this unit.	Weak sericite alteration is apparent in some localities. Carbonate alteration is evident in zones of high strain. This unit houses an appreciable quantity of fgr Po mineralization. Lower contact is irregular.										
	F020441	347.6	348.6	0.014																	
	F020442	348.6	349.2	0.767																	
350	F020443	349.2	350.2	0.163																	
	F020444	350.2	351.2	0.009																	
	F020445	351.2	352.2	0.005																	
	F020446	352.2	353.2	0.006																	
	F020447	353.2	354.2	0.006																	
	F020448	354.2	355.2	0.009																	
355	F020449	355.2	356.2	0.005																	
	F020451	356.2	356.5	0.038																	
	F020452	356.5	357.1	0.006																	
	F020453	357.1	357.6	0.011																	
	F020454	357.6	358.6	0.007																	
	F020455	358.6	359.6	0.008																	
360	F020456	359.6	360.6	0.009																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020456	359.6	360.6	0.009	346.6	367.8		G	DIST	Grey fgr massive rock that is most indicative of "6" material: perhaps this is some sort of "3" material. This entity evidences pronounced strain. Sparse mgr garnet crystals are present within this unit.	Weak sericite alteration is apparent in some localities. Carbonate alteration is evident in zones of high strain. This unit houses an appreciable quantity of fgr Po mineralization. Lower contact is irregular.										
	F020457	360.6	361.6	0.011																	
	F020458	361.6	362.6	0.009																	
	F020459	362.6	363.6	0.007																	
	F020461	363.6	364.6	0.01																	
365	F020462	364.6	365.6	0.019																	
	F020463	365.6	366.4	0.017																	
	F020464	366.4	367.2	0.011																	
	F020465	367.2	367.8	0.02																	
	F020466	367.8	368.8	0.01	367.8	376.3	3F	G	POR	Grey fgr massive felsic rock that is most indicative of a lapilli tuff. This entity lacks a discernable foliation. Lower contact is irregular.											
	F020467	368.8	369.8	0.025																	
370	F020468	369.8	370.8	0.017																	
	F020469	370.8	371.8	0.008																	
	F020471	371.8	372.8	0.045																	
	F020472	372.8	373.8	0.017																	
	F020473	373.8	374.1	0.016																	
	F020474	374.1	375	0.012																	
375	F020475	375	375.7	0.023																	
	F020476	375.7	376.3	0.006	376.3	376.6	QTZ VN	W		White cgr massive quartz vein exhibiting an irregular lower contact.											
	F020477	376.3	376.6	0.006																	
	F020478	376.6	377.6	0.04	376.6	429.5	3F	G	POR	Grey fgr massive felsic rock that is most indicative of a lapilli tuff. This rock contains textural features that are resemblant of dark grey lapilli ranging in size from 0.5cm-5.0cm approximately.	This entity houses an extremely sparse quantity of localized fgr Po and Py mineralization. This rock lacks a discernable foliation.										
	F020479	377.6	378.6	0.01																	
380																					
385																					
390																					
395																					
400																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415					376.6	429.5	3F	G	POR	Grey fgr massive felsic rock that is most indicative of a lapilli tuff. This rock contains textural features that are resemblant of dark grey lapilli ranging in size from 0.5cm-5.0cm approximately.	This entity houses an extremely sparse quantity of localized fgr Po and Py mineralization. This rock lacks a discernable foliation.										
420																					
425																					
430					429.5	431.5				Core is assumed to have been ground by drill: indications on core faces are present.											
435					431.5	442.3	3F	G	POR	Grey fgr massive felsic lapilli tuff. This rock contains textural features that are resemblant of dark grey lapilli ranging in size from 0.5-5.0cm approximately. Lower contact is irregular.											
440																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					431.5	442.3	3F	G	POR	Grey fgr massive felsic lapilli tuff. This rock contains textural features that are resemblant of dark grey lapilli ranging in size from 0.5-5.0cm approximately. Lower contact is irregular.											
					442.3	444.5	2	DG	MA	Dark green fgr massive mafic metavolcanic containing a sparse quantity of fgr Py mineralization. This entity lacks a discernable foliation and is punctuated by sparse quartz-carbonate and carbonate stringers. Lower contact is irregular.											
445					444.5	472.8	3F	G	POR	Grey fgr felsic lapilli tuff exhibiting weak patches of sericite alteration. This entity contains a sparse quantity of fgr Po mineralization and lacks a discernable foliation.	This unit contains textural features that are resemblant of dark grey lapilli-sized tephra. Lower contact is irregular.										
450																					
455																					
	F020481	458.2	459.2	0.009																	
	F020482	459.2	460.2	0.017																	
460	F020483	460.2	461.2	0.337																	
	F020484	461.2	462.2	0.968																	
	F020485	462.2	463	3.48																	
	F020486	463	463.6	2.01																	
	F020487	463.6	464.6	0.158																	
465	F020488	464.6	465.6	0.01																	
	F020489	465.6	466.6	0.008																	
	F020491	466.6	467.1	0.015								QTZ VN									
	F020492	467.1	467.4	0.005																	
	F020493	467.4	468.4	0.342																	
	F020494	468.4	469.4	0.013																	
470	F020495	469.4	470.4	0.01																	
	F020496	470.4	471.4	0.011																	
	F020497	471.4	472.1	0.011																	
	F020498	472.1	472.8	0.016																	
	F020499	472.8	473.8	0.056	472.8	473.8	QTZ VN	W	MA	White cgr massive quartz vein containing a sparse quantity of fgr Po and Py mineralization. Lower contact is irregular.											
	F020501	473.8	474.4	0.612																	
	F020502	474.4	474.9	0.563																	
475	F020503	474.9	475.9	0.006																	
	F020504	475.9	476.9	0.005																	
					473.8	507.6	3F	G	POR	Grey fgr felsic lapilli tuff containing localized fgr Po mineralization. This entity lacks a discernable foliation. This rock contains textural features that are resemblant of dark grey tephra.	Lower contact is sharp.										
480																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495					473.8	507.6	3F	G	POR	Grey fgr felsic lapilli tuff containing localized fgr Po mineralization. This entity lacks a discernable foliation. This rock contains textural features that are resemblant of dark grey tephra.	Lower contact is sharp.									
500																					
505																					
	F020505	505.6	506.6	0.005																	
	F020506	506.6	507.6	0.005																	
	F020507	507.6	507.9	0.005																	
	F020508	507.9	508.9	0.005																	
	F020509	508.9	509.9	0.005																	
510																					
515					507.6	518.7		G	MA	Dark grey-brown fgr massive rock that is most indicative of a metasediment. This entity exhibits localized strain: the upper portion of this appears to have been variably metamorphosed/altered to amphibole.	This entity houses an extremely sparse quantity of fgr Po and Py mineralization. Lower contact is irregular.									
	F020511	516.7	517.7	0.046																	
	F020512	517.7	518.7	0.005																	
	F020513	518.7	519	0.013	518.7	519		W	MA	White massive quartz vein exhibiting an irregular lower contact.											
	F020514	519	520	0.005	519	528.4		G	MA	Grey-brown fgr massive metasediment exhibiting appreciable strain and brecciation. This entity exhibits weak patches of sericite alteration and contains numerous quartz-carbonate/carbonate veinlets.	Perhaps some this section is actually "3" material. Lower contact is gradational.									
520	F020515	520	521	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020515	520	521	0.005																	
525					519	528.4		G	MA	Grey-brown fgr massive metasediment exhibiting appreciable strain and brecciation. This entity exhibits weak patches of sericite alteration and contains numerous quartz-carbonate/carbonate veinlets.	Perhaps some this section is actually "3" material. Lower contact is gradational.	13									
530																					
535																					
540												13	Exhibits significant talc alteration.								
545					528.4	565.2	3F	G	POR	Grey fgr felsic lapilli tuff exhibiting pronounced strain and brecciation. This lithology contains carbonate material as distorted veinlets, nodules, and patches. Weak sericite alteration is present in some localities.	Sparse fgr Py mineralization is present in some localities. Minor lamprophyre dykes are present within this unit. Lower contact is irregular.	13									
550																					
555																					
560																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020516	562	563	0.005	528.4	565.2	3F	G	POR	Grey fgr felsic lapilli tuff exhibiting pronounced strain and brecciation. This lithology contains carbonate material as distorted veinlets, nodules, and patches. Weak sericite alteration is present in some localities.	Sparse fgr Py mineralization is present in some localities. Minor lamprophyre dykes are present within this unit. Lower contact is irregular.										
	F020517	563	564	0.005																	
	F020518	564	564.4	0.005																	
560	F020519	564.4	565.2	0.005																	
	F020521	565.2	565.9	0.005	565.2	565.9	QTZ VN	W	MA	White cgr massive quartz vein exhibiting an irregular lower contact.											
	F020522	565.9	566.9	0.005	565.9	584.5	3F	G	POR	Grey fgr massive felsic lapilli tuff exhibiting pronounced strain and brecciation. This lithology contains carbonate material as distorted veinlets and patches.											
	F020523	566.9	567.5	0.005																	
	F020524	567.5	567.9	0.005																	
	F020525	567.9	568.9	0.005																	
	F020526	568.9	569.9	0.005																	
570																					
575																					
580												QTZ VN									
585					584.5	586.4				Core is assumed to have been ground by drill due to wedging process.											
	F020527	588.1	589.1	0.005	586.4	607.3	3F	G	POR	Grey fgr porphyritic felsic lapilli tuff that is characterized by brecciation and quartz-carbonate/carbonate veining. This entity contains an extremely sparse quantity of fgr Py mineralization. Lower contact is faulted.											
	F020528	589.1	590.1	0.005																	
590	F020529	590.1	590.4	0.009								QTZ VN									
	F020531	590.4	590.7	0.005																	
	F020532	590.7	591.7	0.005																	
	F020533	591.7	592.7	0.005																	
595																					
600																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605					586.4	607.3	3F	G	POR	Grey fgr porphyritic felsic lapilli tuff that is characterized by brecciation and quartz-carbonate/carbonate veining. This entity contains an extremely sparse quantity of fgr Py mineralization. Lower contact is faulted.											
					607.3	607.7	13	G	POR	Grey fgr-mgr lamprophyre dyke exhibiting appreciable talc alteration. Lower contact is faulted.											
610																					
615																					
620																					
625					607.7	648.3	3F	G	POR	Grey fgr porphyritic felsic lapilli tuff characterized by brecciation, quartz-carbonate/carbonate veining, and weak patches of sericite alteration. Pink and green colouration is present around textural features that are resemblant of methane faulting.											
630																					
635																					
640																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020534	642.5	643.5	0.01	607.7	648.3	3F	G	POR	Grey fgr porphyritic felsic lapilli tuff characterized by brecciation, quartz-carbonate/carbonate veining, and weak patches of sericite alteration. Pink and green colouration is present around textural features that are resemblant of methane faulting.											
	F020535	643.5	644.5	0.058																	
640	F020536	644.5	645.2	0.023																	
	F020537	645.2	645.8	0.022																	
	F020538	645.8	646.8	0.009																	
	F020539	646.8	647.8	0.005																	
650					648.3	668	2	GG	FOL	Fgr light grey-green well foliated mafic metavolcanics. Mod-strong bt-cb-ser alteration localized to pockets/lenses increasing in intensity towards LC. Unit is weakly fractured/faulted increasing towards LC. Intermittent 0.5-20cm qz/cb veining.	Non-magnetic. Trace po min within litho. Gradational LC.				MOD				MOD		
655																					
660																					
665																					
670					668	670.4				~2.4m missing due to wedging. Fgr light grey-green well foliated mafic metavolcanics. Mod-strong bt-cb-ser alteration localized to pockets/lenses increasing in intensity towards LC. Unit is weakly fractured/faulted increasing towards LC. Intermittent 0.5-20cm qz/cb veining.											
					670.4	670.8	2	GG	FOL	Fgr-mgr grey-green fairly massive mafic metavolcanics with weak foliation.	Non-magnetic. Trace po min within litho. Gradational LC.										
					670.8	671.9	2	GG	MA	Weak bt alteration, weak silicification. Unit is weakly fractured throughout with cb-infilling. Non-magnetic. No visible min. Gradational LC.											
675					671.9	677.5	2	GG	FOL	Fgr grey-green well foliated mafic metavolcanics. Mod-strong bt alteration, weak-mod silicification. Unit is weakly distorted, locally folded, and weakly fractured throughout. Intermittent 0.5-3cm distorted/folded qz veining.	Non-magnetic. Trace po min within litho. Sharp LC.										
680					677.5	694.4	3F	G	POR	Fgr grey felsic lapilli tuff with ~1-2mm lapilli. Weak-mod bt-ms alteration, weak-mod silicification. Unit is weakly fractured throughout and locally moderately folded. Intermittent 0.1-0.5 distorted/folded qz/cb veining. Non-magnetic.	Localized 1.5% wispy/disseminated po min within litho. Gradational LC.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685					677.5	694.4	3F	G	POR	Fgr grey felsic lapilli tuff with ~1-2mm lapilli. Weak-mod bt-ms alteration, weak-mod silicification. Unit is weakly fractured throughout and locally moderately folded. Intermittent 0.1-0.5 distorted/folded qz/cb veining. Non-magnetic.	Localized 1.5% wispy/disseminated po min within litho. Gradational LC.			MOD	WK					MOD	
	F020541	685.3	686.3	0.007																	
	F020542	686.3	687.3	0.016																	
	F020543	687.3	687.7	0.032																	
	F020544	687.7	688.7	0.018																	
	F020545	688.7	689.7	0.009																	
690																					
695					694.4	695.5	2	GG	FOL	Fgr grey-green well-foliated mafic metavolcanics. Mod-strong bt alteration. Unit is weakly distorted and folded. Intermittent 0.1-2cm qz/cb veining. Non-magnetic. Trace po min within litho. Gradational LC.												
					695.5	697.5	3F	G	FOL	Fgr grey well foliated felsic lapilli tuff. Mod bt-cb alteration, weak-mod silicification. Unit is moderately-strongly distorted/attenuated and tightly folded. Non-magnetic. No visible min. Gradational LC.				MOD	MOD					MOD	
700					697.5	735.5	2	GG	FOL	Fgr grey-green well-foliated mafic metavolcanics. Weak-mod bt alteration, weak-mod silicification. Unit is locally moderately distorted/fractured. Intermittent 0.1-5cm locally distorted qz/cb veining. Non-magnetic. Trace po min within litho. Sharp LC.												
705																					
710																					
715																					
720																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725					697.5	735.5	2	GG	FOL	Fgr grey-green well-foliated mafic metavolcanics. Weak-mod bt alteration, weak-mod silicification. Unit is locally moderately distorted/fractured. Intermittent 0.1-5cm locally distorted qz/cb veining. Non-magnetic. Trace po min within litho. Sharp LC.											
730																					
735					735.5	736.2	13	G	MO	Fg-mg dark grey mottled lamprophyric dyke. Unit is weakly fractured with cb-infilling. Non-magnetic. No visible min. Sharp LC.											
740					736.2	758.1	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-strong bt alteration increasing in intensity towards LC. Intermittent 0.5-10cm qz/cb veining. Unit is locally weakly-moderately distorted and attenuated. Non-magnetic.	Unit contains ~1-3cm intercalated 6/3F bands towards LC. Localized ~0.5% disseminated/wispy po min within litho. Gradational LC.										
	F020546	743.5	744.5	0.018																	
745	F020547	744.5	745.5	0.007																	
	F020548	745.5	746.2	0.015																	
	F020549	746.2	747	0.02																	
	F020551	747	748	0.006																	
	F020552	748	749	0.005																	
750																					
755																					
760					758.1	761.2	3	G	FOL	Fg light grey-brown well foliated felsic tuff with intercalated 25% ~1-2cm metased bands. Mod-strong bt-cb alteration and moderate silicification. Unit is intensely attenuated. Non-magnetic. Trace po min within litho. Gradational LC.					MOD					MOD	

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Depth	Sample	From	To	AU ppm
765				
770				
775				
	F020553	777.1	777.7	0.005
	F020554	777.7	778.1	0.005
	F020555	778.1	779.1	0.005
	F020556	779.1	779.8	0.005
780	F020557	779.8	780.5	0.006
	F020558	780.5	781.5	0.005
	F020559	781.5	782.5	0.008
785				
790				
	F020561	794	795	0.005
795	F020562	795	796	0.009
	F020563	796	796.8	0.011
	F020564	796.8	797.3	0.01
	F020565	797.3	797.9	0.02
	F020566	797.9	798.6	0.006
	F020567	798.6	799.5	0.006
800	F020568	799.5	799.9	0.005

From	To	Unit	Col	Text	Comments	Comments
~~758.1~~	~~761.2~~	~~2~~	~~G~~	~~FOL~~	Fg light grey-brown well foliated felsic tuff with intercalated 25% ~1-2cm metased bands. Mod-strong bt-cb alteration and moderate silicification. Unit is intensely attenuated. Non-magnetic. Trace po min within litho. Gradational LC.	
761.2	771.8		G	FOL	Fg brown-grey well foliated metasediments. Mod-strong bt alteration and weak-moderate silicification. Unit is weakly fractured throughout. Non-magnetic. Trace po min within litho. Gradational LC.	
771.8	775.2	6W	G	POR BL	Fg-mg brown-grey-pink well foliated garnet-bearing metasediments. Mod-strong bt alteration. Porphyroblastic ~1-8mm an-subhedral grt. Intermittent 0.5-1cm qz/cb veining. Non-magnetic. No visible min. Sharp LC.	
775.2	777.7	3	G	FOL	Fg grey well foliated felsic tuff. Mod-strong bt-cb alteration and moderate silicification. Unit is strongly attenuated. Intermittent 0.5-1cm qz/cb veining. Non-magnetic. No visible min. Gradational LC.	
777.7	779.1	6W	G	POR BL	Fg-cg brown-grey-pink well foliated garnet-bearing metasediments. Mod-strong bt, mod amp alteration. Porphyroblastic ~1-10mm an-subhedral grt. Unit contains intercalated 1-2cm 4E bands and a ~20cm minor 4E unit.	Non-magnetic. Trace po min within litho. Gradational LC.
779.1	780.5	4E	DG	POR BL	Fg-cg dark green-pink grt-amp ITF with mod foliation. Strong amp, weak bt alteration. Porphyroblastic ~1-10mm an-subhedral grt. Unit contains intercalated 1-3cm 6W bands at UC. Intermittent 0.5-1cm qz/cb veining.	Non-magnetic. Trace po min within litho. Sharp LC.
780.5	796.8		G	FOL	Fg brown-grey well foliated metasediments. Mod cb-bt-ser alteration localized to bands along with localized phengite alteration. Intermittent 1-3 cm qz veining. Non-magnetic. Localized 0.5% disseminated/wispy po min at LC. Gradational LC.	
796.8	797.9	4E	B	POR BL	Fg-cg brown-pink well foliated grt-bt schist. Strong bt-st alteration. Porphyroblastic 1-15mm subhedral grt. Intermittent 1-2cm qz veining. Unit is moderately distorted and folded.	Non-magnetic. Localized 0.5% disseminated/wispy po min within litho. Gradational LC.
797.9	819.6		B	FOL	Fg grey-brown-beige well foliated metasediments. Strong-intense ser-ph, mod bt-cb alteration. Unit is intensely distorted/attenuated and tightly folded. Unit contains a zone of qz/cb flooding with ~45% qz/cb and increased distorted.	~0.9cm intense fault near UC. Non-magnetic. Trace po min within litho. Sharp LC.

Unit	Comments
4E	

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	MOD					MOD	
	MOD					MOD	
	MOD				MOD		
	MOD				MOD		GRA is a placeholder for possible phengite alteration.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
															MOD				MOD		GRA is a placeholder for possible phengite alteration.
805																					
810					797.9	819.6		B	FOL	Fg grey-brown-beige well foliated metasediments. Strong-intense ser-ph, mod bt-cb alteration. Unit is intensely distorted/attenuated and tightly folded. Unit contains a zone of qz/cb flooding with ~45% qz/cb and increased distorted.	~0.9cm intense fault near UC. Non-magnetic. Trace po min within litho. Sharp LC.				MOD				STR		GRA is a placeholder for possible phengite alteration.
815																					
820					819.6	820.3	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt alteration. Intermittent 0.1-1cm qz/cb veining. Non-magnetic. No visible min. Sharp LC.											
					820.3	822.4		B	FOL	Fg grey-brown well foliate metasediments. Mod-strong bt alteration. Intermittent 0.1-3cm distorted qz/cb veining. Unit contains ~1.5m of missing core due to wedging. Non-magnetic. No visible min. Sharp LC.											
					822.4	824.9				~1.5m missing due to wedge.											
825					824.9	825.9		B	FOL	Fg grey-brown well foliate metasediments. Mod-strong bt alteration. Intermittent 0.1-3cm distorted qz/cb veining. Unit contains ~1.5m of missing core due to wedging. Non-magnetic. No visible min. Sharp LC.											
					825.9	830.1	13	G	MO	Fg dark grey mottled lamprophyre dyke. Unit contains a zone of intense brecciation comprised of angular xenoliths of possible 3F material. Non-magnetic. No visible min. Sharp LC.											
830																					
835					830.1	850.4	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Weak-mod bt alteration. Intermittent 1-3cm distorted qz veining. Non-magnetic. Localized 0.5% wispy/disseminated po min within litho. Sharp LC.											
	F020569	838.2	839.2	0.016																	
	F020571	839.2	840.2	0.011																	
840	F020572	840.2	841.1	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020572	840.2	841.1	0.005	830.1	850.4	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Weak-mod bt alteration. Intermittent 1-3cm distorted qz veining. Non-magnetic. Localized 0.5% wispy/disseminated po min within litho. Sharp LC.											
	F020573	841.1	841.9	0.005																	
	F020574	841.9	842.4	0.005																	
	F020575	842.4	843.3	0.02																	
	F020576	843.3	844.3	0.018																	
845	F020577	844.3	845.3	0.013																	
	F020578	845.3	846	0.01																	
	F020579	846	847	0.006																	
	F020581	847	848	0.006																	
	F020582	848	849	0.113																	
	F020583	849	850	0.005																	
850	F020584	850	850.4	0.032																	
	F020585	850.4	851	0.051	850.4	884.4	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt alteration. Intermittent 0.5-5cm distorted/folded qz/cb veining. Unit is locally moderately distorted. Non-magnetic. Localized 0.5% disseminated/wispy po min within litho. Sharp LC.											
	F020586	851	851.5	0.01																	
	F020587	851.5	852.5	0.01																	
	F020588	852.5	853.5	0.018																	
	F020589	853.5	854.5	0.015																	
855	F020591	854.5	855.5	0.016																	
	F020592	855.5	856.1	0.011																	
	F020593	856.1	857.1	0.01																	
	F020594	857.1	858.1	0.04																	
860																					
865																					
870																					
	F020595	873.6	874.6	0.011																	
875	F020596	874.6	875.6	0.011																	
	F020597	875.6	876.4	0.009																	
	F020598	876.4	877	0.01																	
	F020599	877	878	0.014																	
	F020601	878	879	0.013																	
880																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					850.4	884.4	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt alteration. Intermittent 0.5-5cm distorted/folded qz/cb veining. Unit is locally moderately distorted. Non-magnetic. Localized 0.5% disseminated/wispy po min within litho. Sharp LC.											
885																					
890																					
895																					
900																					
					884.4	972.8	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Mod bt, weak ms alteration. Unit is moderately-strongly attenuated, tightly folded and contains multiple moderate-strong high strain zones/shear zones exhibiting qz/cb flooding. Non-magnetic.	Trace disseminated po/py min within veining. Gradational LC.										
905																					
910																					
915																					
920																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					884.4	972.8	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Mod bt, weak ms alteration. Unit is moderately-strongly attenuated, tightly folded and contains multiple moderate-strong high strain zones/shear zones exhibiting qz/cb flooding. Non-magnetic.	Trace disseminated po/py min within veining. Gradational LC.										
945																					
950																					
955																					
960																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965					884.4	972.8	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Mod bt, weak ms alteration. Unit is moderately-strongly attenuated, tightly folded and contains multiple moderate-strong high strain zones/shear zones exhibiting qz/cb flooding. Non-magnetic.	Trace disseminated po/py min within veining. Gradational LC.										
970																					
					972.8	975.3	2	GG	FOL	Fg grey-beige-green well foliated mafic metavolcanics with possible intercalated 3F bands. Mod-strong bt alteration. Unit is moderately-strongly attenuated/sheared and could potentially be sheared 3F instead of metavolcanics.	Intermittent 0.1-1cm distorted qz/cb veining. Non-magnetic. No visible min. Lower contact is not visible due to wedging resulting in ~2.3m of missing core.										
975					975.3	977.6				~2.3m of core missing due to wedging.											
980					977.6	986.1	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-mod bt alteration, with increased alteration localized to bands around veins. Intermittent 0.5-2cm distorted qz veining. Locally weakly magnetic.	Localized 0.5% disseminated/wispy po min within litho. Sharp LC.										
	F020602	982.9	983.9	0.009																	
	F020603	983.9	984.9	0.013																	
985	F020604	984.9	985.6	0.014																	
	F020605	985.6	986.1	0.018																	
	F020606	986.1	986.6	0.008																	
	F020607	986.6	987.6	0.005																	
	F020608	987.6	988.6	0.062																	
	F020609	988.6	989.6	0.013																	
990	F020611	989.6	990.6	0.062																	
	F020612	990.6	991.6	0.014																	
	F020613	991.6	992.6	0.005																	
	F020614	992.6	993.6	0.01																	
	F020615	993.6	994.5	0.006	986.1	1029.3	3F	G	FOL	Fg light grey-white well foliated felsic lapilli tuff. Strong cb, weak-mod bt-ms alteration. Entire unit is within a moderate-strong shear zone indicated by strong attenuation/distortion and intermittent moderate folding.	~0.1-10cm distorted/attenuated and intermittent folded qz/cb flooding. Non-magnetic. Localized 0.5-2% disseminated/wispy po and ~0.5-1.5% blebby/disseminated py min within litho/veining. Sharp LC.										
995	F020616	994.5	995.5	0.009																	
	F020617	995.5	996.5	0.014																	
	F020618	996.5	996.9	0.08																	
	F020619	996.9	997.9	0.012																	
	F020621	997.9	998.9	0.01																	
1000																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
	F020622	1010.8	1011.8	0.011																	
	F020623	1011.8	1012.8	0.005																	
	F020624	1012.8	1013.6	0.053																	
	F020625	1013.6	1014.2	0.008																	
	F020626	1014.2	1014.9	0.005																	
1015	F020627	1014.9	1015.3	0.015	986.1	1029.3	3F	G	FOL	Fg light grey-white well foliated felsic lapilli tuff. Strong cb, weak-mod bt-ms alteration. Entire unit is within a moderate-strong shear zone indicated by strong attenuation/distortion and intermittent moderate folding.	~0.1-10cm distorted/attenuated and intermittent folded qz/cb flooding. Non-magnetic. Localized 0.5-2% disseminated/wispy po and ~0.5-1.5% blebby/disseminated py min within litho/veining. Sharp LC.										
	F020628	1015.3	1016.3	0.009																	
	F020629	1016.3	1017.3	0.005																	
	F020631	1017.3	1018.3	0.016																	
	F020632	1018.3	1019.3																		
	F020633	1019.3	1020.1	0.027																	
	F020634	1020.1	1021.1	0.005																	
1020	F020635	1021.1	1022.1	0.006																	
	F020636	1022.1	1022.4																		
	F020637	1022.4	1023.4	0.005																	
	F020638	1023.4	1024.2	0.022																	
	F020639	1024.2	1025	0.007																	
	F020641	1025	1026	0.006																	
	F020642	1026	1026.4	0.005																	
	F020643	1026.4	1026.7	0.005																	
1025	F020644	1026.7	1027	0.018																	
	F020645	1027	1027.8	0.005																	
	F020646	1027.8	1028.1	0.009																	
	F020647	1028.1	1028.5	0.005																	
	F020648	1028.5	1029	0.005																	
	F020649	1029	1029.3	0.022																	
	F020651	1029.3	1029.6	0.005	1029.3	1029.6	2	GG	FOL	Fg grey-green moderately foliated mafic metavolcanics. Weak-mod bt alteration. Intermittent 0.1-0.5cm qz/cb veining. Moderately magnetic. ~0.5% disseminated po min within litho/veining. Sharp LC.											
1030	F020652	1029.6	1030.1	0.011																	
	F020653	1030.1	1030.8	0.009																	
	F020654	1030.8	1031.5	0.009																	
	F020655	1031.5	1032.3	0.005																	
	F020656	1032.3	1033.1	0.009	1029.6	1035.3	3F	G	FOL	Fg light grey-white well foliated felsic lapilli tuff. Strong cb alteration. ~0.5-4cm distorted/attenuated qz/cb flooding. Non-magnetic. ~1% disseminated/wispy po and ~3-4% blebby/disseminated py min within litho/veining. Gradational LC.											
	F020657	1033.1	1034.1	0.01																	
	F020658	1034.1	1034.7	0.023																	
	F020659	1034.7	1035.3	0.01																	
1035	F020661	1035.3	1035.6	0.018																	
	F020662	1035.6	1036.6	0.01											MOD				MOD	MOD	
	F020663	1036.6	1037.2	0.032																	
	F020664	1037.2	1038.2	0.019								6									
	F020665	1038.2	1039.2	0.032	1035.3	1041.2	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Moderate-strong pervasive cb-ser alteration and mod silicification. Unit is strongly-intensely sheared at UC and LC. Intermittent 1-20cm distorted qz/cb veining.	Non-magnetic. Localized 0.5-4% disseminated/wispy po and 1% blebby/disseminated py min within litho. Gradational LC.										
	F020666	1039.2	1040.2	0.033																	
1040	F020667	1040.2	1040.5	0.009								6			MOD				MOD	MOD	
	F020668	1040.5	1041.2	0.044																	
				0.012																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020668	1040.5	1041.2	0.012	1035.3	1041.2	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Moderate-strong pervasive cb-ser alteration and mod silicification. Unit is strongly-intensely sheared at UC and LC. Intermittent 1-20cm distorted qz/cb veining.	Non-magnetic. Localized 0.5-4% disseminated/wispy po and 1% blebby/disseminated py min within litho. Gradational LC.	2									
	F020669	1041.2	1042	0.008	1041.2	1043.3	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Mod-strong pervasive cb-ser alteration and mod silicification. Intermittent 0.5-4cm distorted qz veining. Unit is moderately-strong attenuated and sheared.											
	F020671	1042	1042.7	0.005																	
	F020672	1042.7	1043.3	0.008																	
	F020673	1043.3	1043.9	0.042	1043.3	1044.4	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Moderate-strong pervasive cb-ser alteration and mod silicification. Unit is potentially an altered/sheared 3F but colouration indicates mafics instead. Unit is strongly-intensely sheared throughout.	Non-magnetic. Trace po min within veining. Gradational LC.										
	F020674	1043.8	1044.4	0.005							Intermittent 1-5cm qz veining. Non-magnetic. No visible min. Gradational LC.										
1040	F020675	1044.4	1045.1	0.005	1044.4	1048.8	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Mod-strong pervasive cb-ser alteration and mod silicification. Intermittent 0.5-2cm distorted qz veining. Unit is moderately-strong attenuated/distorted and contains areas of brecciated/fracturing.	Non-magnetic. Localized 1-7% wispy/threaded po and 0.5-3% blebby/disseminated py min within litho/veining. Sharp LC.				MOD				MOD	MOD	
	F020676	1045.1	1045.9	0.015																	
	F020677	1045.9	1046.2	0.243																	
	F020678	1046.2	1047.2	0.005																	
	F020679	1047.2	1048.2	0.005																	
	F020681	1048.2	1048.8	0.011							Unit contains ~1-2mm disseminated magnetite throughout in a "static"-type texture as can be seen in the bottom 4B located in bottonfield holes. Strongly magnetic. Localized ~1% disseminated/wispy po and ~0.5% disseminated py min within litho. Sharp LC.										
	F020682	1048.8	1049.4	0.843	1048.8	1049.4	4E	GG	FOL	Fg dark green-grey-pink well foliated grt-amp ITF with weak-mod banding. Mod-strong amp, pervasive cb-ser alteration, and weak-mod silicification. Porphyroblastic ~1-5mm an-subhedral grt. Unit is moderately-strong attenuated/distorted and locally folded.											
	F020683	1049.4	1050	0.005																	
1045	F020684	1050	1050.7	0.015																	
	F020685	1050.7	1051.3	0.005										WK	MOD					MOD	
	F020686	1051.3	1052	0.005																	
	F020687	1052	1052.7	0.005																	
1055															STR				ST R	MOD	
1060															MOD				MOD		
1065					1049.4	1120.6	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Strong-intense pervasive cb-ser, weak ms-amp alteration and mod silicification. Unit is strongly attenuated/distorted and locally folded and also contains areas of methane faulting/fracturing.	Intermittent 0.5-20cm distorted qz veining. Non-magnetic. Localized 0.25-1% wispy/disseminated po and 0.25-1% blebby/disseminated py min within litho. Gradational LC.										
1070																					
1075															STR				ST R		
	F020688	1079.2	1080.2	0.005																	
1080	F020689	1080.2	1081.2	0.014																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020689	1080.2	1081.2	0.014																	
	F020691	1081.2	1081.7	0.007											STR				ST R		
	F020692	1081.7	1082.7	0.006																	
	F020693	1082.7	1083.7	0.005											WK				MO D		
	F020694	1083.7	1084.4	0.005																	
	F020695	1084.4	1084.7	0.01																	
1080	F020696	1084.7	1085.7	0.005																	
	F020697	1085.7	1086.7	0.01											STR				ST R		
1090															WK				WK		
															MO D				MO D		
1095																					
	F020698	1096.3	1097.3	0.005																	
	F020699	1097.3	1098.3	0.006																	
	F020701	1098.3	1099.2	0.006											STR				ST R		
1100	F020702	1099.2	1100.2	0.005																	
	F020703	1100.2	1101.1	0.005	1049.4	1120.6	3F	G	FOL	Fg grey well foliated felsic lapilli tuff. Strong-intense pervasive cb-ser, weak ms-amp alteration and mod silicification. Unit is strongly attenuated/distorted and locally folded and also contains areas of methane faulting/fracturing.	Intermittent 0.5-20cm distorted qz veining. Non-magnetic. Localized 0.25-1% wispy/disseminated po and 0.25-1% blebby/disseminated py min within litho. Gradational LC.										
	F020704	1101.1	1102	0.005																	
	F020705	1102	1103	0.007																	
	F020706	1103	1104	0.005																	
	F020707	1104	1105	0.005																	
1105	F020708	1105	1106	0.005																	
	F020709	1106	1107	0.005																	
	F020711	1107	1108	0.005																	
	F020712	1108	1108.8	0.005																	
	F020713	1108.8	1109.5	0.005																	
	F020714	1109.5	1110	0.005																	
1110	F020715	1110	1111	0.005											MO D				MO D		
	F020716	1111	1112	0.005																	
	F020717	1112	1113	0.005																	
	F020718	1113	1114	0.005																	
	F020719	1114	1115	0.005																	
1115	F020721	1115	1116	0.005																	
	F020722	1116	1117	0.005																	
	F020723	1117	1118	0.005																	
	F020724	1118	1119	0.005																	
1120					1120.6	1125.9	6W	P	FOL	Fg grey-pink garnet-bearing metasediments with moderate foliation. Weak-mod bt alteration. Porphyroblastic 1-5mm an-subhedral grt. Intermittent 0.5-1cm qz veining. Unit contains an intense fault zone as well as areas of moderate brittle fracturing.	Non-magnetic. Trace disseminated po min within litho. Gradational LC.										

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Depth	Sample	Assay From	Assay To	AU ppm	MAJOR UNIT From	MAJOR UNIT To	Unit	Col	Text	Comments	Comments
1125					1120.6	1125.9	6W	P	FOL	Fg grey-pink garnet-bearing metasediments with moderate foliation. Weak-mod bt alteration. Porphyroblastic 1-5mm an-subhedral grt. Intermittent 0.5-1cm qz veining. Unit contains an intense fault zone as well as areas of moderate brittle fracturing.	Non-magnetic. Trace disseminated po min within litho. Gradational LC.
1130					1125.9	1140.4	[redacted]	B	FOL	Fg grey-brown well foliated metasediments. Mod bt, weak amp alteration. Trace porphyroblastic 1-3mm subhedral grt. Intermittent 0.5-2cm qz veining. Unit is locally weakly fractured. Non-magnetic. Trace disseminated po min.	
	F020725	1134	1135	0.007							
1135	F020726	1135	1136	0.005							
	F020727	1136	1137	0.005							
	F020728	1137	1138	0.005							
	F020729	1138	1139	0.006							
	F020731	1139	1140	0.005							
1140	F020732	1140	1140.4	0.005							
					1140.4	1142.5				Clappison, lost core	
	F020733	1142.5	1142.8	0.005	1142.5	1142.8		B	FOL	Fg grey-brown well foliated metasediments. Mod bt, weak amp alteration. Trace porphyroblastic 1-3mm subhedral grt. Intermittent 0.5-2cm qz veining. Unit is locally weakly fractured. Non-magnetic. Trace disseminated po min.	
	F020734	1142.8	1143.1	0.006	1142.8	1143.1		G	FOL	Greyish-white, well-foliated cb silicate altered, fg felsic lapilli tuff (3F). Cb silicate alteration is pervasive throughout unit. Po mineralization is low (<0.5%) and occurs at within cb silicate alteration. Sharp LC.	
	F020735	1143.1	1143.4	0.016	1143.1	1143.4	3F	LG	FOL		
	F020736	1143.4	1144.4	0.007			2			Light green. Well foliated, bt-altered fg mafic unit (2). Mm-scale qz-cb stringers occur throughout unit (2%). Sharp LC.	
1145	F020737	1144.4	1145.4	0.005							
	F020738	1145.4	1146.4	0.005							Large s-fold (about 20cm) occurs in the middle of the unit. Po (1%) and Py (0.5%) occurs as wisps in cb-altered zones. Sharp LC.
	F020739	1146.4	1147.4	0.005	1143.4	1150.1	3F	G	FOL	Greyish-white, well foliated, cb-silicate and ser altered, fg felsic lapilli tuff (3F). Cb-silicate alteration is weak while Ser-alteration is moderate to intense throughout unit. Lapilli are elongated parallel to foliation and are fg to mg.	
	F020741	1147.4	1148.4	0.005							
	F020742	1148.4	1149.4	0.005							
1150	F020743	1149.4	1150.1	0.005							
	F020744	1150.1	1151.1	0.008							
	F020745	1151.1	1152.1	0.009							
	F020746	1152.1	1153.1	0.008							
	F020747	1153.1	1154.1	0.009							
	F020748	1154.1	1155.1	0.011							
1155	F020749	1155.1	1156.1	0.007	1150.1	1162.9	2	LG	FOL	Light green, well foliated, high strained, bt-altered, cb-silicate altered, fg mafic unit (2) with abundant qz-cb veining. Most of the unit is high strained marked by closely spaced, mm-scale qz-cb veins (locally up to 30%) and cb-silicate alteration.	Bt-alteration is weak. Lower 80cm of the unit has folded qz-cb veins. Po (up to 1%) occurs in disseminated zones following foliation closer to the LC of the unit.
	F020751	1156.1	1157.1	0.005							
	F020752	1157.1	1157.9	0.086							
	F020753	1157.9	1158.9	0.007							
	F020754	1158.9	1159.8	0.008							
1160	F020755	1159.8	1160.2	0.005							
	F020756	1160.2	1161.2	0.006							
	F020757	1161.2	1162.2	0.012							

MINOR UNIT Unit	MINOR UNIT Comments	ALTERATION Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-006

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020757	1161.2	1162.2	0.012	1150.1	1162.9	2	LG	FOL	Light green, well foliated, high strained, bt-altered, cb-silicate altered, fg mafic unit (2) with abundant qz-cb veining. Most of the unit is high strained marked by closely spaced, mm-scale qz-cb veins (locally up to 30%) and cb-silicate alteration.	Bt-alteration is weak. Lower 80cm of the unit has folded qz-cb veins. Po (up to 1%) occurs in disseminated zones following foliation closer to the LC of the unit.										
	F020758	1162.2	1162.9	0.006																	
	F020759	1162.9	1163.3	0.01	1162.9	1163.3	3F	G	FOL	Greyish-white, cb-silicate and ser altered, fg felsic lapilli tuff unit (3F). Both alterations are moderated throughout unit. Po (2%) occurs as wisps and treads within the cb-altered zones. Gradation LC.											
	F020761	1163.3	1164	0.016	1163.3	1166	2	LG	FOL	Light green to brownish-green, well foliated, bt-altered, fg mafic unit (2). Mm- to cm-scale, distorted qz stringer occur throughout the unit (5%). The top 70cm of the unit is highly folded and may contain section of 3F.	Bt alteration is moderated throughout unit. Po occurs in the high strained zone as wisps in strain shadows of folds (up to 1%) and as disseminated specs within the unit (0.1%). Sharp LC.										
	F020762	1164	1165	0.038																	
1165	F020763	1165	1166	0.012																	
	F020764	1166	1167	0.007	1166	1175.2	3F	G	FOL	Greyish-white, cb-silicate and ser-altered, fg felsic lapilli tuff (3F). Mm-scale, very weak methane faults crosscut foliation and occur throughout the unit.	Ser-alteration is pervasive, and Cb-alteration is moderate. Bt-alteration is weak and occurs near the LC. Trace po (0.1%). Gradational LC.										
	F020765	1167	1168	0.008																	
	F020766	1168	1169	0.005																	
	F020767	1169	1170	0.005																	
1170	F020768	1170	1171	0.005																	
	F020769	1171	1172	0.006																	
	F020771	1172	1173	0.027																	
	F020772	1173	1174	0.008																	
	F020773	1174	1174.8	0.005																	
1175	F020774	1174.8	1175.2	0.005																	
	F020775	1175.2	1176	0.005	1175.2	1180.1		B	FOL	Brown to brownish-green, well foliated, cb-silicate altered, fg bt schist (6). A small 20cm, high strained mafic unit (2) occurs within the middle of the unit.	After the minor mafic unit, the bt-schist is intensely cb-silicate altered. Minor Po (up to 1%) occurs near zone with high qz-cb stringers. Gradational LC.	2	Light green, bt altered, fg mafic unit (2) with abundant mm-scale qz-cb veining.								
	F020776	1176	1176.3	0.008																	
	F020777	1176.3	1177.1	0.005																	
	F020778	1177.1	1177.6	0.014																	
	F020779	1177.6	1178.6	0.006																	
	F020781	1178.6	1179.6	0.005																	
1180	F020782	1179.6	1180.1	0.005																	
	F020783	1180.1	1181.1	0.006	1180.1	1184.6	6W	B	POR BL	Brown, porphyroblastic, well foliated, fg grt-bt schist (6W). Porphyroblastic grt (15%) are fg to mg (up to 0.5cm). Gradational LC.											
	F020784	1181.1	1182.1	0.008																	
	F020785	1182.1	1183.1	0.007																	
	F020786	1183.1	1184.1	0.007																	
	F020787	1184.1	1184.6	0.005																	
1185	F020788	1184.6	1185.6	0.005	1184.6	1216.7	3F	G	FOL	White-grey to brown-white; well-foliated, cb-silicate altered, ser altered, fine-grained felsic lapilli tuff (3F). CB-silicate alteration is pervasive throughout unit, often associated with trace po mineralization (less than 0.1%).	Lapilli are medium-grained and occur throughout interval. Garnet porphyroblasts rare but are present, medium grained and up to 10%. Brittle faults occur at 1210.9m and 1213.5m. Po (0.5%) occurs in muscovite altered qz stringers. Gradational LC.										
	F020789	1185.6	1186.6	0.007																	
	F020791	1186.6	1187.6	0.005																	
	F020792	1187.6	1188.6	0.005																	
	F020793	1188.6	1189.6	0.007																	
1190	F020794	1189.6	1190.6	0.007																	
	F020795	1190.6	1191.6	0.008																	
	F020796	1191.6	1192.6	0.012																	
	F020797	1192.6	1193.6	0.009																	
	F020798	1193.6	1194.6	0.007																	
1195	F020799	1194.6	1195.6	0.006																	
	F020801	1195.6	1196.6	0.005																	
	F020802	1196.6	1197.6	0.005																	
	F020803	1197.6	1198.6	0.005																	
	F020804	1198.6	1199.6	0.005																	
1200	F020805	1199.6	1200.6	0.006																	
	F020806	1200.6	1201.6	0.007																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020806	1200.6	1201.6	0.007																	
	F020807	1201.6	1202.6	0.005																	
	F020808	1202.6	1203.6	0.005																	
	F020809	1203.6	1204.4	0.006																	
	F020811	1204.4	1204.7	0.005																	
1205	F020812	1204.7	1205.7	0.005																	
	F020813	1205.7	1206.7	0.007																	
1210					1184.6	1216.7	3F	G	FOL	White-grey to brown-white; well-foliated, cb-silicate altered, ser altered, fine-grained felsic lapilli tuff (3F). CB-silicate alteration is pervasive throughout unit, often associated with trace po mineralization (less than 0.1%).	Lapilli are medium-grained and occur throughout interval. Garnet porphyroblasts rare but are present, medium grained and up to 10%. Brittle faults occur at 1210.9m and 1213.5m. Po (0.5%) occurs in muscovite altered qz stringers. Gradational LC.										
1215																					
1220					1216.7	1220.5		B	FOL	Brown, well-foliated biotite schist. Garnets up to 1%, and are medium grained and porphyroblastic. Weak methane faulting occurs from 1219.9-1220.5m. Trace po (less than 0.1%) with garnet porphyroblasts.											
					1220.5	1223				2.5m missing due to wedge.											
1225					1223	1226.7		B	FOL	Brown, well-foliated biotite schist. Garnet porphyroblasts are medium-grained and up to 5%. Cm-scale qz-cb stringers (3%) occur throughout unit. Trace po associated with qz-cb veins and garnet porphyroblasts or as stringers following foliation.	Lower contact is gradational.										
1230																					
1235					1226.7	1247.5	3F	G	POR	Grey fg rock exhibiting a discernable foliation and textural features that are resemblant of lapilli. Weak sericite alteration is present as patches within this unit. This rock contains a sparse quantity of localized fg Po mineralization.											
1240																					

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Assay

Depth	Sample	From	To	AU ppm
1245	F020814	1244.6	1245.6	0.006
	F020815	1245.6	1246.6	0.01
	F020816	1246.6	1246.9	0.029
	F020817	1246.9	1247.5	0.052
1250	F020818	1251.1	1252.1	
	F020819	1252.1	1253.1	0.005
	F020821	1253.1	1253.4	0.005
	F020822	1253.4	1253.8	0.027
	F020823	1253.8	1254.3	0.011
	F020824	1254.3	1255	0.005
	F020825	1255	1255.6	0.013
1255	F020826	1255.6	1256.3	0.017
	F020827	1256.3	1256.7	0.005
	F020828	1256.7	1257.1	0.01
	F020829	1257.1	1258.1	0.009
	F020831	1258.1	1258.7	0.012
	F020832	1258.7	1259.6	0.541
	F020833	1259.6	1260.1	0.017
	F020834	1260.1	1260.4	0.079
1260	F020835	1260.4	1261.2	0.019
	F020836	1261.2	1261.9	0.01
	F020837	1261.9	1262.4	0.009
	F020838	1262.4	1263.1	0.009
	F020839	1263.1	1263.5	0.005
	F020841	1263.5	1264	0.009
	F020842	1264	1264.6	0.007
1265	F020843	1264.6	1264.9	0.008
	F020844	1264.9	1265.9	0.005
	F020845	1265.9	1266.9	0.007
	F020846	1266.9	1267.9	0.009
	F020847	1267.9	1268.9	0.006
	F020848	1268.9	1269.9	0.005
1270	F020849	1269.9	1270.9	0.01
	F020851	1270.9	1271.5	0.022
	F020852	1272.6	1273.3	0.015
	F020853	1273.3	1274.3	0.007
	F020854	1274.3	1275.3	0.007
1275	F020855	1275.3	1275.6	0.005
	F020856	1275.6	1275.9	0.005
	F020857	1275.9	1276.7	0.005
	F020858	1276.7	1277.2	0.005
	F020859	1277.2	1277.5	0.009
	F020861	1277.5	1278.5	0.005
	F020862	1278.5	1279.5	0.005
1280	F020863	1279.5	1280.5	0.005
	F020864	1280.5	1281.2	0.005
	F020865	1281.2	1281.8	0.005

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1226.7	1247.5	3F	G	POR	Grey fg rock exhibiting a discernable foliation and textural features that are resemblant of lapilli. Weak sericite alteration is present as patches within this unit. This rock contains a sparse quantity of localized fg Po mineralization.	
1247.5	1250.3				Missing core due to wedge.	
1250.3	1258.1	6W	G	POR BL	Grey fg foliated rock housing an appreciable quantity of mg garnet porphyroblasts and localized patches of fg staurolite. Weak sericite alteration is evident in some localities. This entity contains an appreciable quantity of fg Po mineralization.	This rock is virtually identical to previously encountered "3F" material, save for the fact that it does not exhibit textural features resemblant of "lapilli". Lower contact is irregular.
1258.1	1260.4	6W	G	POR BL	Grey fg-cg ambiguous felsic rock exhibiting pronounced strain and unique textural features: this rock is punctuated by a multitude of brown-green and apple-green mg crystals that are resemblant of epidote, andalusite, and/or clasts/fragments.	Many mg-cg garnet porphyroblasts are present, some of which contain the strange brown-green crystals. This rock exhibits low magnetic susceptibility values (~0.01), contains quartz material, and houses appreciable mica content. LC is irregular.
1260.4	1261.2		B	FOL	Brown-grey fg rock exhibiting a distinct foliation and containing a significant quantity of fg staurolite and Po mineralization. This rock is highly resemblant of a metasediment.	Significant strain is evident as the gradational lower contact is approached
1261.2	1262.4	6W	G	POR BL	Grey fg metasediment housing a significant quantity of mg anhedral garnet porphyroblasts. This rock houses an appreciable quantity of sparse fg Po mineralization. Lower contact is gradational.	
1262.4	1264.6		G	MA	Grey fg massive rock that is resemblant of a metasediment. This rock exhibits a discernable foliation and contains a sparse quantity of fg Po mineralization. This unit is punctuated by Cb stringers. Lower contact is sharp.	
1264.6	1264.9	VN	W	MA	White cg massive quartz vein exhibiting an irregular lower contact.	
1264.9	1270.5	3	G	MA	Grey fg massive foliated rock exhibiting an ambiguous identity. This entity evidences textural features that are somewhat resemblant of "lapilli". Sparse garnet crystals are present within this unit.	This section houses a small quantity of fg Po mineralization. It seems plausible that this entity could be logged as "6" material. Stringers of Cb material are present within this unit. Lower contact is gradational.
1270.5	1271.5	6W MIS	G	POR BL	Grey fg massive rock containing a significant quantity of anhedral mg garnet porphyroblasts. This section houses a sparse quantity of fg Po mineralization. Perhaps this entity could be logged as "3" material.	
1271.5	1272.6				Missing/ground core due to clappison wedge.	
1272.6	1298.9	3F	G	MA	Grey fg foliated massive rock containing an-subhedral mg garnet porphyroblasts. This rock is punctuated by stringers of Cb material and houses patches/bands of weak sericite alteration. Sparse fg Po mineralization is present within this unit.	This section evidences textural features that are somewhat resemblant of "lapilli", however, they are not overly definitive. Perhaps this section could be logged as "6" material. Lower contact is irregular.

MINOR UNIT

Unit	Comments
QTZ	
VN	
QTZ	
VN	

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
F020865	1281.2	1281.8	0.005																	
F020866	1281.8	1282.8	0.006																	
F020867	1282.8	1283.8	0.005																	
F020868	1283.8	1284.3	0.005																	
F020869	1284.3	1285.3	0.005																	
F020871	1285.3	1286	0.012																	
F020872	1286	1286.4	0.006																	
F020873	1286.4	1286.7	0.042																	
F020874	1286.7	1287.7	0.007																	
F020875	1287.7	1288.7	0.014																	
F020876	1288.7	1289.4	0.005																	
F020877	1289.4	1290	0.021																	
F020878	1290	1290.6	0.007	1272.6	1298.9	3F	G	MA	Grey fg foliated massive rock containing an-subhedral mg garnet porphyroblasts. This rock is punctuated by stringers of Cb material and houses patches/bands of weak sericite alteration. Sparse fg Po mineralization is present within this unit.	This section evidences textural features that are somewhat resemblant of "lapilli", however, they are not overly definitive. Perhaps this section could be logged as "6" material. Lower contact is irregular.										
F020879	1290.6	1291.6	0.006																	
F020881	1291.6	1292.6	0.005																	
F020882	1292.6	1292.9	0.005																	
F020883	1292.9	1293.9	0.005																	
F020884	1293.9	1294.9	0.005																	
F020885	1294.9	1295.9	0.005																	
F020886	1295.9	1296.9	0.007																	
F020887	1296.9	1297.9	0.005																	
F020888	1297.9	1298.9	0.005																	
F020889	1298.9	1299.6	0.012	1298.9	1299.6	2	DG	MA	Dark green fg rock that is most resemblant of mafic metavolcanic material. This entity contains a sparse quantity of fg Py mineralization. Lower contact is sharp.											
F020891	1299.6	1300.6	0.005	1299.6	1319	3F	G	MA	Grey fg massive foliated rock that is resemblant of a felsic lapilli tuff. This entity exhibits textural features that are indicative of "lapilli". This rock contains a sparse quantity of fg Po mineralization.	Weak sericite alteration is present in some localities. Lower contact is sharp.										
F020892	1300.6	1301.6	0.005																	
F020893	1306.3	1307.3	0.005																	
F020894	1307.3	1308.3	0.005																	
F020895	1308.3	1308.6	0.005																	
F020896	1308.6	1309.6	0.005																	
F020897	1309.6	1310.6	0.005																	
F020898	1310.6	1311.6	0.005																	
F020899	1311.6	1312.6	0.005																	
F020901	1312.6	1313	0.005																	
F020902	1313	1313.7	0.005																	
F020903	1313.7	1314.7	0.005																	
F020904	1314.7	1315.7	0.005																	
F020905	1315.7	1316.7	0.126																	
F020906	1316.7	1317	0.01																	
F020907	1317	1318	0.007																	
F020908	1318	1319	0.005																	
F020909	1319	1319.5	0.008	1319	1319.5	CARB	W	MO	White mg quartz-carbonate vein exhibiting a mottled texture that is defined by green mg (amphibole?) crystals. Lower contact is sharp.											
F020911	1319.5	1320.5	0.007	1319.5	1332.9	Vein/ 3F	G	FOL	Grey fg foliated felsic rock that is most indicative of lapilli tuff. This entity contains a sparse quantity of fg Po mineralization. Weak sericite alteration is present as bands/patches. Sparse mg anhedral garnet crystals are present.	Lower contact is sharp.										
F020912	1320.5	1321.5	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020912	1320.5	1321.5	0.005																	
1325					1319.5	1332.9	3F	G	FOL	Grey fg foliated felsic rock that is most indicative of lapilli tuff. This entity contains a sparse quantity of fg Po mineralization. Weak sericite alteration is present as bands/patches. Sparse mg anhedral garnet crystals are present.	Lower contact is sharp.										
1330																					
					1332.9	1336	1	G	MA	Massive grey fg ultramafic intrusive exhibiting a wide range of high magnetic susceptibility values (~1.0-75). This entire entity is fairly resistant to being scratched by a scribe. Weak-moderate magnetism is exhibited in many localities.	Lower contact is irregular/sheared by drill.										
1335					1336	1336.3	2	DG	FOL	Dark green fg mafic rock that is resemblant of metavolcanic material: perhaps this is a serpentinized locality of the host ultramafic. This entity is punctuated by and bordered with quartz-carbonate veins/veinlets. Lower contact is gradational.											
1340					1336.3	1348	1	G	MA	Massive grey fg ultramafic intrusive exhibiting a wide range of high magnetic susceptibility values (~1.0-75). This entire entity is fairly resistant to being scratched by a scribe. Weak-moderate magnetism is exhibited in many localities.	Lower contact is gradational.										
1345																					
	F020913	1346	1347																		
	F020914	1347	1348	0.006																	
	F020915	1348	1348.3	0.005																	
	F020916	1348.3	1348.6	0.005																	
	F020917	1348.6	1349	0.011																	
	F020918	1349	1349.5	0.007																	
1350	F020919	1349.5	1350.5	0.006																	
	F020921	1350.5	1351.5	0.005	1348	1354.5	2	DG	MA	Dark green fg-mg mafic rock exhibiting pronounced localized strain; however, the vast majority of this entity does not exhibit a discernable foliation. This rock exhibits relatively high magnetic susceptibility values from 1348-1348.8m.	After 1348.8m the mag-sus values drop considerably. Perhaps the mg crystals may be attributed to dynamic recrystallization. Perhaps this entity is a diabase. Lower contact is sharp.										
	F020922	1351.5	1352.5	0.005																	
	F020923	1352.5	1353.5	0.036																	
	F020924	1353.5	1354.5	0.068								1	Exhibits high mag-sus values: does not scratch. Clear contacts - most indicative of an intrusive entity.								
1355	F020925	1354.5	1355	0.051																	
	F020926	1355	1355.7	0.005																	
	F020927	1355.7	1356.7	0.005																	
	F020928	1356.7	1357.7	0.005																	
	F020929	1357.7	1358.7	0.005	1354.5	1388.1	3F	G	POR	Grey fg foliated felsic lapilli tuff exhibiting weak patches of sericite alteration. This entity contains an appreciable quantity of fg Po and Py mineralization.	Significant arsenopyrite mineralization is present within the section spanning 1374.1-1374.7m approximately. Lower contact is sharp.										
	F020931	1358.7	1359.7	0.005																	
1360	F020932	1359.7	1360.7	0.005																	
	F020933	1360.7	1361.7	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F020933	1360.7	1361.7	0.005	1354.5	1388.1	3F	G	POR	Grey fg foliated felsic lapilli tuff exhibiting weak patches of sericite alteration. This entity contains an appreciable quantity of fg Po and Py mineralization.	Significant arsenopyrite mineralization is present within the section spanning 1374.1-1374.7m approximately. Lower contact is sharp.										
	F020934	1361.7	1362.7	0.005																	
	F020935	1362.7	1363.5	0.005																	
	F020936	1363.5	1363.8	0.005																	
	F020937	1363.8	1364.2	0.005																	
1365	F020938	1364.2	1364.5	0.005																	
	F020939	1364.5	1365.4	0.005																	
	F020941	1365.4	1366.4	0.005																	
	F020942	1366.4	1366.9	0.005																	
	F020943	1366.9	1367.4	0.005																	
	F020944	1367.4	1367.8	0.011																	
	F020945	1367.8	1368.2	0.006																	
	F020946	1368.2	1368.9	0.007																	
1370	F020947	1368.9	1369.9	0.005																	
	F020948	1369.9	1370.4	0.005																	
	F020949	1370.4	1371.4	0.01																	
	F020951	1371.4	1371.7	0.01																	
	F020952	1371.7	1372.2	0.01																	
	F020953	1372.2	1372.8	0.005																	
	F020954	1372.8	1373.6	0.005																	
	F020955	1373.6	1374.1	0.087																	
1375	F020956	1374.1	1374.7	0.01																	
	F020957	1374.7	1375.7	0.005																	
	F020958	1375.7	1376.1	0.005																	
	F020959	1376.1	1377.1																		
	F020961	1377.1	1378.1	0.005																	
	F020962	1378.1	1378.6	0.005																	
	F020963	1378.6	1379.2	0.013																	
	F020964	1379.2	1380.2	0.016																	
1380	F020965	1380.2	1381	0.005								QTZ VN									
	F020966	1381	1381.5	0.005																	
	F020967	1381.5	1382	0.005																	
	F020968	1382	1382.6	0.005																	
	F020969	1382.6	1383.2	0.023																	
	F020971	1383.2	1383.7	0.009																	
	F020972	1383.7	1384.3	0.005																	
1385	F020973	1384.3	1385.2	0.043																	
	F020974	1385.2	1386.2	0.005																	
	F020975	1386.2	1387	0.005																	
	F020976	1387	1387.7	0.005																	
	F020977	1387.7	1388.1	0.005																	
	F020978	1388.1	1388.9	0.026	1388.1	1390.6	4F	B	POR BL	Brown-grey fg garnet-biotite schist housing a significant percentage of amphibole bands. This entity contains an appreciable quantity of fg Po mineralization. Lower contact is gradational.											
	F020979	1388.9	1389.5	0.424																	
1390	F020981	1389.5	1390	8.29																	
	F020982	1390	1390.6	3.02																	
	F020983	1390.6	1391.6	0.011	1390.6	1391.6		B	FOL	Brown-grey fg rock that is highly indicative of a metasediment. This entity contains an extremely sparse quantity of garnet porphyroblasts and is punctuated by quartz-carbonate and quartz veins/veinlets.	Perhaps this section is segment of a larger "4F" body. Lower contact is gradational.										
	F020984	1391.6	1392.6	0.01	1391.6	1400.4	4F	B	POR BL	Brown-grey fg garnet-biotite schist housing a significant percentage of amphibole bands. This entity contains an appreciable quantity of fg Po mineralization. Localized strain is present within this unit. Lower contact is gradational.											
	F020985	1392.6	1392.9	0.006																	
	F020986	1392.9	1393.7	0.007																	
	F020987	1393.7	1394.4	0.012																	
1395	F020988	1394.4	1395.3	0.007																	
	F020989	1395.3	1396.3	0.009																	
	F020991	1396.3	1397	0.008																	
	F020992	1397	1397.7	0.005																	
	F020993	1397.7	1398.6	0.006																	
	F020994	1398.6	1399.5	0.006																	
1400	F020995	1399.5	1400.4	0.017																	
	F020996	1400.4	1400.7	0.011	1400.4	1427.9	3F	G	FOL	Grey fg rock containing localized textural features that are indicative of lapilli: this rock is resemblant of a felsic lapilli tuff. Weak patches of sericite alteration are present. This entity is punctuated by methane faults and carbonate material.	This rock houses a sparse quantity of fg Po mineralization. Gradational LC.										
	F020997	1400.7	1401.7	0.005																	

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Depth	Sample	From	To	AU ppm
	F020997	1400.7	1401.7	0.005
	F020998	1401.7	1402.7	0.005
	F020999	1402.7	1403.7	0.005
1405				
1410				
1415				
1420				
	F022501	1422.1	1423.1	0.006
	F022502	1423.1	1424.1	0.005
	F022503	1424.1	1424.9	0.008
1425	F022504	1424.9	1425.9	0.005
	F022505	1425.9	1426.2	0.005
	F022506	1426.2	1426.6	0.005
	F022507	1426.6	1427.3	0.005
	F022508	1427.3	1427.9	0.005
	F022509	1427.9	1428.9	0.011
	F022511	1428.9	1429.9	
	F022512	1429.9	1430.9	0.006
1430	F022513	1430.9	1431.2	0.006
	F022514	1431.2	1431.6	0.015
	F022515	1431.6	1432	0.007
	F022516	1432	1432.3	0.008
	F022517	1432.3	1433	0.014
	F022518	1433	1434	0.041
	F022519	1434	1435	0.087
1435	F022521	1435	1436	0.011
	F022522	1436	1437	0.009
	F022523	1437	1437.9	0.009
	F022524	1437.9	1438.4	0.008
	F022525	1438.4	1439.3	0.009
	F022526	1439.3	1440	0.046
1440	F022527	1440	1441	0.006
	F022528	1441	1442	0.007

From	To	Unit	Col	Text	Comments
1400.4	1427.9	3F	G	FOL	Grey fg rock containing localized textural features that are indicative of lapilli: this rock is resemblant of a felsic lapilli tuff. Weak patches of sericite alteration are present. This entity is punctuated by methane faults and carbonate material.
1427.9	1431.6	6W	B	FOL	Fg brown-grey well-foliated garnet-bearing metasediments. Strong pervasive sericite alteration localized to bands. Unit is locally weakly distorted and fractured. Porphyroblastic 1-3mm subhedral grt.
1431.6	1437.9	4F	B	POR BL	Fg-cg brown-pink moderately foliated grt-bt schist. Strong bt, weak amp alteration. Porphyroblastic 1-10mm subhedral grt. Unit contains localized moderate distortion and faulting at UC along with an ~20cm minor 4E ITF.
1437.9	1439.3	4E	DG	POR BL	Fg-cg dark green-pink well-foliated grt-amp ITF. Strong amp, weak bt alteration. Porphyroblastic 2-10mm subhedral grt. Unit is weakly attenuated throughout. Weakly magnetic. Localized 1-2% wispy/disseminated po min within litho. Faulted LC.
1439.3	1443	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt, weak amp alteration. Porphyroblastic 1-8mm subhedral grt. Unit contains intercalated ~2-4cm 4E and mafic bands. Weakly magnetic. Trace disseminated po min within 4E bands. Diffuse LC.

Comments
This rock houses a sparse quantity of fg Po mineralization. Gradational LC.
Non-magnetic. Localized 2% disseminated/wispy po min within litho. Irregular LC.
Weakly magnetic. Localized 0.5% disseminated po min within minor 4E ITF. Sharp LC.

Unit	Comments
QTZ	
VN	
QTZ	
VN	
QTZ	
VN	
4E	

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022528	1441	1442	0.011	1439.3	1443	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt, weak amp alteration. Porphyroblastic 1-8mm subhedral grt. Unit contains intercalated ~2-4cm 4E and mafic bands. Weakly magnetic. Trace disseminated po min within 4E bands. Diffuse LC.		2									
	F022529	1442	1443	0.033																	
	F022531	1443	1444	0.029	1443	1454.3	1	G	FOL	Fg grey-beige massive ultramafic dyke. Weak ser-talc alteration. Unit is weakly distorted throughout. Weakly magnetic. No visible min. Gradational LC.											
	F022532	1444	1445	0.044																	
1445	F022533	1445	1446	0.052																	
	F022534	1446	1447	0.069																	
	F022535	1447	1448	0.025																	
	F022536	1448	1449	0.021																	
	F022537	1449	1450	0.022																	
1450	F022538	1450	1451	0.014																	
	F022539	1451	1451.6	0.025																	
	F022541	1451.6	1452.3	0.025																	
	F022542	1452.3	1453.3	0.029																	
	F022543	1453.3	1454.3	0.031																	
	F022544	1454.3	1455	0.297	1454.3	1455.8	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt alteration. Porphyroblastic 3-15mm sub-euhedral grt. Unit is weakly distorted. Non-magnetic. Trace disseminated po min within litho. Gradational LC.											
1455	F022545	1455	1455.8	0.087																	
	F022546	1455.8	1456.8	0.02	1455.8	1461	2	GG	FOL	Fg grey-green well-foliated mafic metavolcanics. Strong bt alteration. Intermittent 0.5-3cm qz veining. Non-magnetic. No visible min. Sharp LC.											
	F022547	1456.8	1457.8	0.014																	
	F022548	1457.8	1458.4	0.012																	
	F022549	1458.4	1459	0.018																	
	F022551	1459	1460	0.014																	
1460	F022552	1460	1461	0.014																	
	F022553	1461	1462	0.011	1461	1464.2	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt alteration. Porphyroblastic 5-20mm sub-euhedral grt. Unit is weakly distorted and contains ~20cm minor mafics. Non-magnetic. No visible min. Diffuse LC.		2									
	F022554	1462	1463	0.02																	
	F022555	1463	1463.6	0.008																	
	F022556	1463.6	1464.2	0.009																	
	F022557	1464.2	1464.5	0.03	1464.2	1464.5	2	GG	FOL	Fg grey-green well-foliated mafic metavolcanics. Weak bt alteration. Non-magnetic. No visible min. Diffuse LC.											
1465	F022558	1464.5	1465.5	0.013	1464.5	1469.4	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt alteration. Porphyroblastic 1-20mm sub-euhedral grt fining down towards LC. Non-magnetic. Trace disseminated po min at LC. Diffuse LC.											
	F022559	1465.5	1466.5	0.012																	
	F022561	1466.5	1467.5	0.019																	
	F022562	1467.5	1468.5	0.023																	
	F022563	1468.5	1469.4	0.013																	
	F022564	1469.4	1470.3	0.086	1469.4	1470.3	2	GG	FOL	Fg grey-green well-foliated mafic metavolcanics, possible altered and/or distorted ultramafic. Mod chl, weak bt alteration. Unit is moderately distorted throughout. Non-magnetic. No visible min. Diffuse LC.											
1470	F022565	1470.3	1470.9	0.102	1470.3	1471.5	1	G	FOL	Fg grey-beige massive ultramafic dyke. Unit is weakly fractured. Weakly magnetic. Trace disseminated po min within fracturing. Gradational LC.											
	F022566	1470.9	1471.5	0.158	1471.5	1472.7	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt, weak amp-gru alteration. Porphyroblastic 1-15mm sub-euhedral grt fining down towards LC. Unit is weakly distorted/folded at UC.	Weakly magnetic. Localized 0.5% disseminated po min within strained areas. Diffuse LC.										
	F022567	1471.5	1472	0.023																	
	F022568	1472	1472.7	0.021																	
	F022569	1472.7	1473.3	0.037	1472.7	1473.3	2U	GG	FOL	Fg grey-green well-foliated garnet-bearing mafic metavolcanics. Mod bt, weak amp alteration. Porphyroblastic 1-3mm subhedral grt. Unit is moderately distorted/attenuated and folded. Intermittent 0.5-5cm qz/cb veining.	Non-magnetic. Trace po min within veining. Gradational LC.										
	F022639	1473.3	1474	0.016	1473.3	1476.4	4F	B	POR BL	Fg-cg brown-pink well-foliated grt-bt schist. Strong bt alteration. Porphyroblastic 4-12mm sub-euhedral grt. Unit is moderately distorted throughout. Non-magnetic. No visible min. Gradational LC.											
	F022641	1474	1475	0.036																	
1475	F022642	1475	1476	0.427																	
	F022643	1476	1476.4	0.122																	
	F022644	1476.4	1477.4	0.049	1476.4	1477.7	1	GG	FOL	Fg grey-green massive ultramafic dyke with weak foliation. Unit has weak folding and distortion throughout. Moderately magnetic. No visible min. Gradational LC.											
	F022645	1477.4	1477.7	0.035																	
	F022646	1477.7	1478.4	0.013	1477.7	1478.5		B	FOL	Fg brown-grey well-foliated metasediments. Strong bt alteration. Unit is weakly fractured throughout. Non-magnetic. No visible min. Gradational LC.											
1480					1478.5	1487.4	1	GG	FOL	Fg grey-green massive ultramafic dyke with weak-mod foliation. Unit contains weak folding and distortion throughout. Unit contains localized areas of fracturing and a sort of mottled alteration both of which are inhabited by ~1-4mm magnetite grains.	Strongly magnetic. Trace po min within fracturing. Gradational LC.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485					1478.5	1487.4	1	GG	FOL	Fg grey-green massive ultramafic dyke with weak-mod foliation. Unit contains weak folding and distortion throughout. Unit contains localized areas of fracturing and a sort of mottled alteration both of which are inhabited by ~1-4mm magnetite grains.	Strongly magnetic. Trace po min within fracturing. Gradational LC.										
	F022647	1486.7	1487.4	0.013																	
	F022648	1487.4	1487.7	0.013	1487.4	1488.7	2	GG	FOL	Fg grey-green well-foliated mafic metavolcanics. Weak-mod bt-amp alteration. Trace porphyroblastic ~2-10mm grt scattered towards LC. Non-magnetic. No visible min. Gradational LC.											
	F022649	1487.7	1488.7	0.014																	
	F022651	1488.7	1489.6	0.018	1488.7	1490.4	4E	DG	POR BL	Fg dark green-pink-grey well-foliated grt-amp ITF. Strong amp, weak gru-chl alteration. Porphyroblastic 3-20mm an-subhedral grt. Unit is weakly attenuated throughout. Intermittent ~0.5-1cm distorted qz veining.	Non-magnetic. ~1-2% disseminated/interstitial po min within litho. Gradational LC.										
1490	F022652	1489.6	1490.4	0.02																	
	F022653	1490.4	1491.4	0.03	1490.4	1504.7	2	GG	FOL	Fg grey-green well-foliated mafic metavolcanics. Mod-strong bt alteration. Intermittent 0.5-10cm qz/cb veining. Unit contains two strong high strain zones exhibiting attenuation and increased veining.	Non-magnetic. Localized 0.5% disseminated/wispy po min within high strain zone. Sharp LC.										
	F022654	1491.4	1492.4	0.02																	
	F022655	1492.4	1493	0.015																	
	F022656	1493	1494	0.017																	
	F022657	1494	1495	0.02																	
1495	F022658	1495	1496	0.022																	
	F022659	1496	1496.9	0.019																	
	F022661	1496.9	1497.9	0.019																	
	F022662	1497.9	1498.9	0.023																	
	F022663	1498.9	1499.3	0.54																	
1500	F022664	1499.3	1500.3	0.045																	
	F022665	1500.3	1501.3	0.172																	
	F022666	1501.3	1502.3	0.027																	
	F022667	1502.3	1503.2	0.012																	
	F022668	1503.2	1504.2	0.009						Fg grey well-foliated and banded metasediments. Strong pervasive sericite alteration. Unit is weakly fractured and faulted at UC. Non-magnetic. No visible min. Gradational LC.											
	F022669	1504.2	1504.7	0.009																	
1505	F022671	1504.7	1505.2	0.014	1504.7	1505.2		G	FOL												
	F022672	1505.2	1506	0.025	1505.2	1506	4E	DG	POR BL	Fg dark green-pink-grey well-foliated grt-amp ITF. Strong amp, weak gru-chl alteration. Porphyroblastic 5-20mm subhedral grt. Unit is moderately attenuated and distorted. ~1-2cm qz veining throughout.	Non-magnetic. Trace po min within litho. Gradational LC.										
	F022673	1506	1507	0.006																	
	F022674	1507	1508	0.006																	
1510					1506	1517.7		B	FOL	Fg grey-brown well-foliated metasediments. Strong bt alt and localized amp alt. Most of the unit is mod-intensely faulted and fractured. Foliation is near-parallel or parallel to core axis throughout. Non-magnetic. Trace po min within amp alteration.	Lower contact is very gradational with mafics below.										
1515																					
	F022675	1519.1	1520.1	0.06	1517.7	1521.1	2	GG	FOL	Fg grey-green-brown well-foliated mafic metavolcanics. Strong-intense bt, mod chl-amp alteration. Unit is weakly-moderately attenuated/distorted and locally folded. Unit also contains intense faulting and intermittent sub-parallel foliation to core axis.	Intermittent 0.5-25cm distorted/folded qz/cb veining. Non-magnetic. No visible min. Gradational LC.										
1520	F022676	1520.1	1521.1	0.652																	
	F022677	1521.1	1522	0.282	1521.1	1526.9	4E	B	POR BL	Fg-cg brown-pink well foliated grt-bt schist. Strong bt alteration. Porphyroblastic ~15% 1-12mm an-subhedral grt. Unit is poorly developed throughout. Intermittent 0.5-1cm distorted qz veining.	Non-magnetic. Localized 1% wispy/disseminated po min within litho. Diffuse LC.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022677	1521.1	1522	0.282	1521.1	1526.9	4F	B	POR BL	Fg-cg brown-pink well foliated grt-bt schist. Strong bt alteration. Porphyroblastic ~15% 1-12mm an-subhedral grt. Unit is poorly developed throughout. Intermittent 0.5-1cm distorted qz veining.	Non-magnetic. Localized 1% wispy/disseminated po min within litho. Diffuse LC.										
	F022678	1522	1523	0.279																	
	F022679	1523	1524	0.114																	
	F022681	1524	1525	0.037																	
1525	F022682	1525	1526	0.057																	
	F022683	1526	1526.9	0.069																	
	F022684	1526.9	1527.7	3.46	1526.9	1527.7	4E	DG	POR BL	Fg-cg dark green-pink grt-amp ITF. Strong amp alteration. Porphyroblastic 5-15mm subhedral grt. Unit is intensely distorted throughout. ~1-3cm distorted qz flooding throughout. Weakly magnetic. Localized 5% wispy/threaded po min within litho. Diffuse LC.											
	F022685	1527.7	1528.2	1.02	1527.7	1531.6	4F	B	POR BL	Fg-cg brown-pink well foliated grt-bt schist. Strong bt, weak-mod amp alteration. Porphyroblastic ~50% 1-12mm an-subhedral grt. Unit is locally folded and contains bands of amp alteration.	Non-magnetic. Localized 3% wispy/disseminated po min within litho. Diffuse LC.										
	F022686	1528.2	1528.8	0.627																	
	F022687	1528.8	1529.5	0.353																	
1530	F022688	1529.5	1530	0.046																	
	F022689	1530	1531	0.019																	
	F022691	1531	1531.6	0.011																	
	F022692	1531.6	1532.3	0.013	1531.6	1534.3	6W	B	FOL	Fg-mg brown well foliated garnet-bearing metasediments. Mod-strong bt alteration. Porphyroblastic 1-7mm an-subhedral grt. Intermittent 0.5-10cm distorted/attenuated qz veining. Non-magnetic. Trace po min within alteration. Sharp LC.											
	F022693	1532.3	1533.3	0.013																	
	F022694	1533.3	1534.3	0.012																	
	F022695	1534.3	1535	1.95	1534.3	1537.3	4E	DG	POR BL	Fg-cg dark green-pink grt-amp ITF. Strong amp alteration. Porphyroblastic 3-12mm subhedral grt. Unit is intensely distorted/attenuated and possibly sheared throughout. ~1-10cm distorted qz flooding throughout.	Weakly magnetic. Localized 1-20% wispy/threaded/stringer po min within litho. Gradational LC.										
1535	F022696	1535	1535.7	0.077																	
	F022697	1535.7	1536.4	0.048																	
	F022698	1536.4	1536.9	35.9																	
	F022699	1536.9	1537.3	6.26																	
	F022701	1537.3	1538	0.112	1537.3	1538.7	4F	B	POR BL	Fg-cg brown-pink well foliated grt-bt schist. Strong bt alteration. Porphyroblastic ~30% 5-15mm an-subhedral grt. Unit is moderately attenuated and distorted throughout. Non-magnetic. Trace po min within litho. Irregular LC.											
	F022702	1538	1538.7	0.04																	
	F022703	1538.7	1539.4	18.2	1538.7	1546.5	4E	DG	POR BL	Fg-cg dark green-pink grt-amp ITF. Strong amp, mod-strong gru alteration. Porphyroblastic 5-20mm subhedral grt. Unit is intensely distorted/attenuated and folded with possible shearing throughout. ~1-15cm distorted qz flooding throughout.	Weakly magnetic. Localized 1-12% wispy/threaded/stringer po min within litho. Gradational LC.										
1540	F022704	1539.4	1540	0.405																	
	F022705	1540	1540.6	0.655																	
	F022706	1540.6	1541.2	46.1																	
	F022707	1541.2	1541.8	2.25																	
	F022708	1541.8	1542.4	6.78																	
	F022709	1542.4	1543	0.203																	
	F022711	1543	1543.8	1.96																	
	F022712	1543.8	1544.6	3.39																	
1545	F022713	1544.6	1545.2	2.05																	
	F022714	1545.2	1545.8	7.88																	
	F022715	1545.8	1546.1	0.05																	
	F022716	1546.1	1546.5	6.6																	
	F022717	1546.5	1547.5	0.022	1546.5	1565	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak bt, weak pervasive ser alteration. Unit becomes weakly fractured and silicified towards LC. Intermittent 0.5-5cm qz/cb veining. Non-magnetic. No visible min. Gradational LC.											
	F022718	1547.5	1548.5	0.021																	
1550																					
1555																					
1560																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1546.5	1565	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak bt, weak pervasive ser alteration. Unit becomes weakly fractured and silicified towards LC. Intermittent 0.5-5cm qz/cb veining. Non-magnetic. No visible min. Gradational LC.		1									
1565	F022719	1565	1566	0.052	1565	1567	2	G	FOL	Fg grey well foliated mafic metavolcanics with minor ultramafic bands. Intense silicification throughout. Unit contains ~3-5cm distorted 4E bands. Non-magnetic. Trace po min within 4E bands. Irregular LC.										ST R	
	F022721	1566	1567	1.6																	
	F022722	1567	1567.6	2.33	1567	1571.4	4E	DG	POR BL	Fg-cg dark green-pink grt-amp ITF. Strong amp-chl, mod-strong gru alteration. Porphyroblastic 5-30mm subhedral grt. Unit transitions from grt/chl-rich towards UC into a lesser grt content with increased amp alteration towards LC.	~1-10cm distorted qz veining throughout. Weakly magnetic. Localized 1.5-15% wispy/threaded/stringer po min within litho. Diffuse LC.										
	F022723	1567.6	1568.3	0.684																	
	F022724	1568.3	1569	18.1																	
	F022725	1569	1569.8	0.08																	
1570	F022726	1569.8	1570.7	2.16																	
	F022727	1570.7	1571.4	0.194																	
	F022728	1571.4	1572.4	0.011	1571.4	1575	2U	G	POR BL	Fg grey-green well foliated garnet-bearing mafic metavolcanics. Weak-mod bt-amp alteration. Porphyroblastic 1-10mm an-subhedral grt. ~0.5-15cm attenuated qz/cb veining. Non-magnetic. No visible min. Grts become finer grained and more sparse grading	downhole, LC is gradational.										
	F022729	1572.4	1573.4	0.057																	
1575					1575	1599.1	2	GG	DIST	Pale greenish-grey, fg, mafic metavolcanic (2) moderately distorted, non-magnetic. Weak pervasive bt + amp alt. Abundant shallow dipping grey qz veins locally hosting pyrite min. Qz flooding is abundant especially where HZ's occur. LC is sharp										
1580																					
1585	F022731	1585	1586	0.032																	
	F022732	1586	1587	0.052																	
	F022733	1587	1587.8	0.74																	
	F022734	1587.8	1588.8	0.032																	
	F022735	1588.8	1589.8	0.025																	
1590																					
1595																					
					1599.1	1599.9	QTZ VN	W	MA	Fg white qz flooding, caused by high strain zone. No mineralization. LC is sharp and shallow.											
1600					1599.9	1606.7	2	G	MA	Pale grey, fg, mafic metavolcanic (2) massive, non-magnetic. Weak pervasive bt alt, common white qz flooding adjacent to UC caused by HZ. No mineralization. LC is diffuse due to HZ.											

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Depth	Assay				MAJOR UNIT						MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022736	1603.7	1604.7	0.03	1599.9	1606.7	2	G	MA	Pale grey, fg, mafic metavolcanic (2) massive, non-magnetic. Weak pervasive bt alt, common white qz flooding adjacent to UC caused by HZ. No mineralization. LC is diffuse due to HZ.											
1605	F022737	1604.7	1605.7	0.022						Brown/pink, fg groundmass, grt-bt schist (4F) mg-cg subhedral porph grts throughout, non-magnetic. Mod HZ develops at contacts causing diffuse contact pulling in minor bands of mafics. ~2% threaded and wispy po adjacent to UC. LC is sharp.											
	F022738	1605.7	1606.7	0.015																	
	F022739	1606.7	1607	0.06																	
	F022741	1607	1607.4	0.025	1606.7	1607.4	4F	B	POR BL	Pale greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic.											
	F022742	1607.4	1608.3	0.009	1607.4	1608.3	2	GG	FOL	Moderate pervasive and wispy bt alt, grt development (possibly pulled in from surrounding 4F's) adjacent to contacts due to HZ, and causing diffuse contacts.											
	F022743	1608.3	1608.8	0.235	1608.3	1608.8	4F	B	POR BL	No mineralization.											
	F022744	1608.8	1609.5	0.05	1608.8	1609.5	4E	DG	BA	Brown/pink, fg groundmass, grt-bt schist (4F) weak banding with minor 4E bands locally hosting ~1.5% po min, mg-cg sub-euhedral porph grts throughout. Weak grey qz veining develops @ 1608.5m. LC is gradational.											
1610	F022745	1609.5	1610.4	0.038	1609.5	1611.3	4F	B	BA	Dark green/pink, aph groundmass, grt-amp schist (4E) planar alternating bands with minor 4F bands, weakly magnetic. Wk grey qz veins throughout. Trace int po min adjacent to UC. LC is gradational.	Local trace po hosted in grey qz vein. LC is gradational										
	F022746	1610.4	1611.3																		
	F022747	1611.3	1612	0.04																	
	F022748	1612	1613	0.009	1611.3	1613.6	6W	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) well internally foliated, fg-mg euhedral porph grts decreasing in size grading downhole, non-magnetic. Minor local 4E bands becoming less abundant grading downhole.											
	F022749	1613	1613.8	0.009																	
	F022751	1613.6	1614.3																		
	F022752	1614.3	1615	0.012						Brown/pink, fg groundmass, grt-bearing metasediment (6W) poorly developed 4F, mod foliated, fg-mg euhedral porph grts, non-magnetic. Unmineralized wk grey qz veining terminates @ 1613.2m. No mineralization. LC is gradational.											
	F022753	1615	1615.3	0.143	1613.6	1619	4F	B	POR BL	Fg-cg brown-pink well foliated grt-bt schist. Strong bt, weak amp alteration. Porphyroblastic 2-10mm subhedral grt. Intermittent 0.1-1cm qz veining. Unit is weakly distorted and contains intercalated ~2-3cm amp alteration bands. Non-magnetic.	Trace disseminated po min within litho. Sharp LC.										
	F022754	1615.3	1616	0.458																	
1615	F022755	1616	1616.6	2.27																	
	F022571	1616.6	1617	0.08																	
	F022572	1617	1618	0.029																	
	F022573	1618	1619	0.027																	
	F022574	1619	1619.5	0.124																	
	F022575	1619.5	1619.8	0.231																	
	F022576	1619.8	1620.3	13.29	1619	1623.6	4EA	DG	BA	Fg-cg olive green-pink grt-amp-gru BIF with intercalated 1-5cm grt-bt bands. Strong amp-gru, weak-mod bt alteration. Porphyroblastic 2-15mm sub-euhedral grt. Unit contains intermittent weak-mod distortion/folding and attenuation.	Strongly magnetic. Interstitial/disseminated ~2-15% po min within litho and 1 speck of VG located within a garnet. Gradational LC.										
1620	F022577	1620.3	1620.8	5.72																	
	F022578	1620.8	1621.3	3.722																	
	F022579	1621.3	1621.9	5.462																	
	F022581	1621.9	1622.4	6.155																	
	F022582	1622.4	1623	27.08																	
	F022583	1623	1623.6	3.63																	
	F022584	1623.6	1624	0.342	1623.6	1624	4BF	GG	BA	Fg grey-green chert-mag BIF. Strong amp alteration. Trace porphyroblastic 1-5mm subhedral grt. Unit is weakly attenuated and folded. Strong magnetic. Trace disseminated po min within litho. Gradational LC.											
	F022585	1624	1624.6	0.125																	
	F022586	1624.6	1625.3	0.494	1624	1625.3	4EA	DG	BA	Fg-cg olive green-pink poorly developed grt-amp-gru BIF. Strong amp, mod gru alteration. Porphyroblastic 1-8mm subhedral grt. Unit is weakly distorted/attenuated and folded.	Strongly magnetic. Localized 1% disseminated po min within litho. Gradational LC.										
1625	F022587	1625.3	1625.9	0.101	1625.3	1625.9	4B	GG	BA	Fg-cg grey-green-pink chert-mag-grt BIF. Strong amp-bt, weak marginal gru alteration. Porphyroblastic 5-12mm sub-euhedral grt. Unit is weakly distorted.	Strongly magnetic. Localized 1.5% disseminated/wispy po min within litho. Gradational LC.										
	F022588	1625.9	1626.4	0.12																	
	F022589	1626.4	1627	0.23																	
	F022591	1627	1627.9	0.176	1625.9	1630.9	4EA	DG	BA	Fg-cg olive green-pink poorly developed grt-amp-gru BIF with ~20cm minor grt-bt schist. Strong amp-gru, weak-mod bt alteration. Porphyroblastic 1-18mm sub-euhedral grt. Unit is weakly distorted and folded.	Strongly magnetic. Localized 2-3% disseminated/wispy po min within litho. Gradational LC.	4BF									
	F022592	1627.9	1628.7	0.476																	
	F022593	1628.7	1629.3	0.276																	
	F022594	1629.3	1629.8	0.045																	
1630	F022595	1629.8	1630.3	0.107																	
	F022596	1630.3	1630.9	0.026																	
	F022597	1630.9	1631.4	0.147	1630.9	1631.4	4BF	GG	BA	Fg-cg grey-green-pink chert-mag-grt BIF. Strong amp-bt, weak marginal gru alteration. Porphyroblastic 1-16mm sub-euhedral grt. Unit is weakly distorted and intermittently poorly developed. Moderately magnetic. No visible min. Gradational LC.											
	F022598	1631.4	1632	0.024																	
	F022599	1632	1633	0.021	1631.4	1636.6	4EA	DG	BA	Fg-cg olive green-grey-pink grt-amp-gru laminated BIF. Strong amp, mod gru alteration. Porphyroblastic 1-15cm an-subhedral grt. Unit contains some localized weak-moderate distortion/folding but is weakly attenuated throughout.	Strongly magnetic. Trace po min within litho. Gradational LC.	2K									
	F022601	1633	1634	0.015																	
	F022602	1634	1635	0.016																	
1635	F022603	1635	1636	0.015																	
	F022604	1636	1636.6	0.111																	
	F022605	1636.6	1637.1	0.019	1636.6	1643.3	4BF	GG	BA	Fg-mg dark green-grey chert-mag-grt laminated BIF. Strong bt, weak-mod amp-gru alteration. Unit contains localized moderate-intense attenuation/distortion and possible shearing along with increased qz veining and po mineralization.	Porphyroblastic 1-5mm subhedral grt. Strongly magnetic. Localized 1-2% wispy/disseminated po min within increased strain. Gradational LC.	4EA									
	F022606	1637.1	1637.9	0.032																	
	F022607	1637.9	1638.5	1.61																	
	F022608	1638.5	1639.2	0.051																	
	F022609	1639.2	1639.6	0.025																	
1640	F022611	1639.6	1640.4	1.13																	
	F022612	1640.4	1641.2	0.102																	
	F022613	1641.2	1641.8	0.017																	
				0.602																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022613	1641.2	1641.8	0.602	1636.6	1643.3	4BF	GG	BA	Fg-mg dark green-grey chert-mag-grt laminated BIF. Strong bt, weak-mod amp-gru alteration. Unit contains localized moderate-intense attenuation/distortion and possible shearing along with increased qz veining and po mineralization.	Porphyroblastic 1-5mm subhedral grt. Strongly magnetic. Localized 1-2% wispy/disseminated po min within increased strain. Gradational LC.										
	F022614	1641.8	1642.7	0.057																	
	F022615	1642.7	1643.3	0.652																	
	F022616	1643.3	1644	0.019	1643.3	1645.7	4B	GG	BA	Fg grey-green chert-bag laminated BIF. Weak amp alteration. Unit contains localized weak-moderate distortion and increased qz veining at LC. Strongly magnetic. No visible min. Gradational LC.											
1640	F022617	1644	1645	0.015																	
	F022618	1645	1645.7	0.34																	
	F022619	1645.7	1646	0.178	1645.7	1648.8	4BF	GG	BA	Fg-mg dark green-grey chert-mag-grt distorted BIF. Strong bt, weak amp-gru alteration. Porphyroblastic 1-4mm subhedral grt. Unit is strongly distorted throughout with localized areas of preserved laminated bands.	Strongly magnetic. Localized 0.5-2% wispy/disseminated po min within increased strain. Gradational LC.										
	F022621	1646	1646.9	0.045																	
	F022622	1646.9	1647.8	0.818																	
	F022623	1647.8	1648.8	0.283																	
	F022624	1648.8	1649.4	0.012	1648.8	1652.5	4B	GG	BA	Fg grey-green chert-bag laminated BIF. Weak amp alteration. Unit contains localized weak-moderate faulting. Strongly magnetic. Localized 4% blebby/wispy po min within an attenuated weak fault. Gradational LC.											
	F022625	1649.4	1650	0.031																	
1650	F022626	1650	1650.5	0.054																	
	F022627	1650.5	1651.1	0.011																	
	F022628	1651.1	1651.8	0.032																	
	F022629	1651.8	1652.5	0.098																	
	F022631	1652.5	1653.2	0.049	1652.5	1656.4	4BF	GG	BA	Fg-mg dark green-grey chert-mag-grt distorted BIF. Strong bt, weak amp alteration. Porphyroblastic 1-6mm subhedral grt. Unit is weakly-moderately distorted/folded throughout resulting in increased qz veining.	Strongly magnetic. Localized 0.5-3% wispy/disseminated po min within increased strain. Gradational LC.										
	F022632	1653.2	1654.2	0.144																	
	F022633	1654.2	1655	0.188																	
1655	F022634	1655	1655.7	0.032																	
	F022635	1655.7	1656.4	0.894																	
	F022636	1656.4	1657.3	0.038	1656.4	1672.2	4B	LG	DIST	Fg Dark green chert-mag laminated BIF. Weak amp alteration. Unit is weakly distorted throughout and contains localized weak folding. Strongly magnetic. Strain causes moderate white qz flooding and an increase in patchy po ranging from 1.5-4%.	LC is gradational.										
	F022637	1657.3	1658.3	0.121																	
	F022638	1658.3	1659.3	0.082																	
	F022756	1659.3	1660.2	0.357																	
1660	F022757	1660.2	1661.2	0.256																	
	F022758	1661.2	1662.2	0.098																	
	F022759	1662.2	1663	0.225																	
	F022761	1663	1664	0.29																	
	F022762	1664	1665	0.326																	
1665	F022763	1665	1666	0.276																	
	F022764	1666	1666.7	0.6																	
	F022765	1666.7	1667.3	1.12																	
	F022766	1667.3	1668	0.877																	
	F022767	1668	1668.3	0.17																	
	F022768	1668.3	1669.1	3.29																	
	F022769	1669.1	1670	0.433																	
1670	F022771	1670	1671	0.205																	
	F022772	1671	1671.7	0.031																	
	F022773	1671.7	1672.2	0.03																	
	F022774	1672.2	1672.8	0.054	1672.2	1675.2	4BF	DG	BA	Dark green/blue/brown, aph groundmass, chert-mag BIF w abundant bands of grt-bt schist (4BF) planar alternating bands and laminae, strongly magnetic. Weak unmineralized white qz veins sub-parallel to fabric.	Local 1.5% litho hosted threaded and interstitial po min parallel to fabric. LC is gradational.										
	F022775	1672.8	1673.2	0.045																	
	F022776	1673.2	1673.8	0.034																	
	F022777	1673.8	1674.5	0.024																	
1675	F022778	1674.5	1675.2	0.109																	
	F022779	1675.2	1676	0.061	1675.2	1681.4	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) planar alt laminae, strongly distorted, strongly magnetic. Moderate white qz flooding, throughout. Strong HZ from 1679.7 through LC causing loss of primary texture, silicification and ~6% po mineralization.	Moderate gru alteration increasing in intensity grading towards LC. LC is sharp.										
	F022781	1676	1677	0.015																	
	F022782	1677	1678	0.037																	
	F022783	1678	1679	0.046																	
	F022784	1679	1679.7	0.02																	
1680	F022785	1679.7	1680.6	0.051																	
	F022786	1680.6	1681.4	0.03																	
	F022787	1681.4	1682.4	0.012	1681.4	1697	3A	G	FOL	Light grey, fg, andesite (3A) mod to well foliated, non-magnetic. Wk to mod pervasive/wispy bt alt. Common planar qz veinlets sub-parallel to foliation. No mineralization. EOH.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022787	1681.4	1682.4	0.012	1681.4	1697	3A	G	FOL	Light grey, fg, andesite (3A) mod to well foliated, non-magnetic. Wk to mod pervasive/wispy bt alt. Common planar qz veinlets sub-parallel to foliation. No mineralization. EOH.											
	F022788	1682.4	1683.4	0.006																	
	F022789	1683.4	1684.4	0.006																	
1685																					
1690																					
1695																					
1700																					
1705																					
1710																					
1715																					
1720																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1664.3	Wedge hole no log														
25																					
30																					
35																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1664.3	Wedge hole no log														
65																					
70																					
75																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1664.3	Wedge hole no log														
105																					
110																					
115																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1664.3	Wedge hole no log														
145																					
150																					
155																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1664.3	Wedge hole no log														
185																					
190																					
195																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1664.3	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1664.3	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1664.3	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1664.3	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1664.3	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1664.3	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1664.3	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1664.3	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1664.3	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1664.3	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1664.3	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1664.3	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1664.3	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1664.3	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1664.3	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1664.3	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1664.3	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1664.3	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1664.3	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1664.3	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1664.3	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1664.3	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1664.3	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1664.3	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1664.3	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1664.3	Wedge hole no log														
1225																					
1230																					
1235																					
1240																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1664.3	Wedge hole no log														
1265																					
1270																					
1275																					
1280																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1664.3	Wedge hole no log														
1305																					
1310																					
1315																					
1320																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1664.3	Wedge hole no log														
1345																					
1350																					
1355																					
1360																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1664.3	Wedge hole no log														
1385																					
1390																					
1395																					
1400																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405																					
1410																					
1415																					
1420					0	1664.3	Wedge hole no log														
1425																					
1430																					
1435																					
1440																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445																					
1450																					
1455																					
1460					0	1664.3	Wedge hole no log														
1465																					
1470																					
1475																					
1480																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485																					
1490																					
1495																					
1500					0	1664.3	Wedge hole no log														
1505																					
1510																					
1515																					
1520																					

19-NSD-007

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525																					
1530																					
1535																					
1540					0	1664.3	Wedge hole no log														
1545																					
1550																					
1555																					
1560																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565																					
1570																					
1575																					
1580					0	1664.3	Wedge hole no log														
1585																					
1590																					
1595																					
1600																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605																					
1610																					
1615																					
1620					0	1664.3	Wedge hole no log														
1625																					
1630																					
1635																					
1640																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1645																					
1650																					
1655					0	1664.3	Wedge hole no log														
1660																					
1665																					
1670					1664.3	1686.4	3F	LG	FOL	Light-med grey felsic tuff (3F). Fine grained. Locally very weakly magnetic. Well foliated. Scattered fg white lapilli. 1-3% qz-cb veining. Sporadic anhedral mg-cg grt present. Patchy Py and Po mineralization ranging from tr to 1% (for Py).	Min is assoc w/ veining and groundmass. Patches of multiple weak meth flt splays w/ grey-green staining bleeding outwards. Patches of brittle fracture/faulting between 1683-1684.4m.											
1675																					
1680																					

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1685					1664.3	1686.4	3F	LG	FOL	Light-med grey felsic tuff (3F). Fine grained. Locally very weakly magnetic. Well foliated. Scattered fg white lapilli. 1-3% qz-cb veining. Sporadic anhedral mg-cg grt present. Patchy Py and Po mineralization ranging from tr to 1% (for Py).	Min is assoc w/ veining and groundmass. Patches of multiple weak meth flt splays w/ grey-green staining bleeding outwards. Patches of brittle fracture/faulting between 1683-1684.4m.										
					1686.4	1689	VOID			2.6m missing core. Block in box says "lost core" and end is spun/ground. Core is blocky in box previous so lost core most likely due to brittle faulting.											
1690					1689	1691.2	3F	LG	FOL	Light-med grey felsic lapilli tuff (3F). Fine grained. Well foliated. Locally very weakly magnetic. Local tr Po seen in groundmass. Sharp LC. 2-3% white qz-cb veining. Fg white lapilli scattered.											
	F018407	1690.5	1691.2	1.15																	
	F018408	1691.2	1692	0.047	1691.2	1692.6	1	GG	MO	Dark grey-green ultramafic (2). Fine grained. Mottled to weakly foliated. Magnetic. Moderately soft (weak-mod talc/serp alt). Blocky core from 1692-1694.4m. Sharp LC. <1% qz-cb veining. No visible mineralization.											
	F018409	1692	1692.6	0.025																	
	F018411	1692.6	1693.6	0.013	1692.6	1694.5	3F	LG	FOL	Light-med grey felsic lapilli tuff (3F). Similar to 3F above. Well foliated. Sporadic cg anhedral grt. Mod fracturing following fabric. Tr Po, Py and Apy all assoc w/ groundmass. 1% qz-cb veining. Sharp LC.											
	F018412	1693.6	1694.5	0.019																	
	F018413	1694.5	1695	0.512	1694.5	1695.6	4F	BK	POR BL	Black grt-bt schist (4F) w ~10% grt-amp bands. Fine grained w abundant cgr sub-euhedral grt. Weakly magnetic. Foliated to locally banded. 3-4% qz-cb veining. Up to 1% Po predominantly assoc w grt-amp bands. Sharp LC.											
1695	F018414	1695	1695.6	0.572																	
	F018415	1695.6	1696.6	0.018	1695.6	1696.6	6W	G	LA	Dark grey-purple grt-bearing metased (6W). Fine grained. Well laminated to foliated. Sporadic cg attenuated and anhedral grt grains. Very weakly magnetic. Tr Po near LC w/ 4F. 1-3% white-grey qz-cb veining. Sharp LC.											
	F018416	1696.6	1697.1	1.23	1696.6	1709.6	4F	BK	POR BL	Black grt-bt schist (4F). Fine grained w abundant mg-cg subhedral grt, w sporadic very cg grt bands. Local agglomerate grt bands. Weakly magnetic. Well foliated to banded. Grt-amp banding at UC w up to 3% Po. Sporadic wk meth flt splays.	3-5% white-grey qz-cb veining. Tr-3% Po in both veining and litho. Flt gouge at 1699.2-1699.3m (2 areas 5mm wide). Sharp LC.										
	F018417	1697.1	1698	0.146																	
	F018418	1698	1699	0.014																	
	F018419	1699	1700	0.031																	
1700	F018421	1700	1701	0.013																	
	F018422	1701	1702	0.757																	
	F018423	1702	1703	0.392																	
	F018424	1703	1704	0.015																	
	F018425	1704	1705	0.024																	
1705	F018426	1705	1706	0.01																	
	F018427	1706	1706.6	0.015																	
	F018428	1706.6	1707.5	0.012																	
	F018429	1707.5	1708	0.019																	
	F018431	1708	1708.4	0.017																	
	F018432	1708.4	1709	0.026																	
	F018433	1709	1709.6	0.021																	
1710	F018434	1709.6	1710	0.022	1709.6	1710	2	GG	FOL	Black grt-bt schist (4F). Fine grained w abundant mg-cg sub-euhedral grt. Magnetic. Well foliated to banded. 1-2% white qz-cb veining. Tr Po assoc w groundmass and int to grt. Faulted LC w thin black and hard cohesive flt (2mm wide) cuts off 4F.										
	F018435	1710	1711	0.017	1710	1711.9	4F	BK	POR BL	Dark grey-green mafic volc (2) or poss metased (6). Same as poss 2 or 6 above. UC is faulted and first 10cm has mod thin black lines giving it a very muted brecciated appearance. Fine grained. Well foliated. Weakly magnetic. Sporadic thin grt-bt bands.											
	F018436	1711	1711.9	0.023																	
	F018437	1711.9	1712.3	0.007	1711.9	1712.3	2	GG	FOL		Sharp LC. 2-3% qz-cb veining w tr Po.										
	F018438	1712.3	1713	0.021	1712.3	1718.4	4F	BK	POR BL	Black grt-bt schist (4F). Fine grained w abundant mg to local cg subhedral grt. Well foliated to compositionally banded. Sporadic grt-amp bands. Weakly-mod magnetic. 5% white-grey qz-cb veining. Tr up to 4% (local) Po predominantly seen in groundmass.	Sharp LC.										
	F018439	1713	1714	0.128																	
	F018441	1714	1715	0.018																	
1715	F018442	1715	1716	0.012																	
	F018443	1716	1716.7	0.02																	
	F018444	1716.7	1717.2	0.023																	
	F018445	1717.2	1717.9	0.007																	
	F018446	1717.9	1718.4	0.006																	
	F018447	1718.4	1719.4	0.005	1718.4	1763.2	3F	LG	FOL	Light-med grey felsic lapilli tuff (3F). Fg w abundant and weakly/locally attenuated white lapilli. Well fol. Locally weakly magnetic. Mod sporadic thin meth flt splays w green staining bleeding into host rock. Minor fracturing following fabric.	5-7% qz-cb veining w lcl ser halos. Tr-3% Po and Py in both veining and groundmass.										
1720	F018448	1719.4	1720.4	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1725																					
1730																					
1735																					
1740					1718.4	1763.2	3F	LG	FOL	Light-med grey felsic lapilli tuff (3F). Fg w abundant and weakly/locally attenuated white lapilli. Well fol. Locally weakly magnetic. Mod sporadic thin meth flt splays w green staining bleeding into host rock. Minor fracturing following fabric.	5-7% qz-cb veining w lcl ser halos. Tr-3% Po and Py in both veining and groundmass.										
	F018449	1743	1743.3	0.02																	
	F018451	1743.5	1744	0.034																	
	F018452	1744	1744.4	0.293																	
1745	F018453	1744.4	1745.4	0.021																	
	F018454	1745.4	1746	0.515																	
	F018455	1746	1746.8	0.063																	
	F018456	1746.8	1747.1	0.337																	
	F018457	1747.1	1748	0.026																	
	F018458	1748	1749	0.036																	
	F018459	1749	1750	0.074																	
1750	F018461	1750	1751	0.178																	
	F018462	1751	1752	0.035																	
1755																					
1760																					
	F018463	1761.2	1762.2	0.011																	

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Assay

Sample	From	To	AU ppm
F018463	1761.2	1762.2	0.011
F018464	1762.2	1763.2	0.005
F018465	1763.2	1764	0.096
F018466	1764	1765	0.271
F018467	1765	1766	2.9
F018468	1766	1766.7	6.04
F018469	1766.7	1767.1	7.65
F018471	1767.1	1767.7	0.233
F018472	1767.7	1768.7	0.014
F018473	1768.7	1769.7	0.05
F018474	1769.7	1770.3	0.025
F018475	1770.3	1771	0.011
F018476	1771	1772	0.01
F018477	1772	1773	0.006
F018478	1773	1774	0.012
F018479	1774	1775	0.008
F018481	1775	1776	0.006
F018482	1776	1777	0.009
F018483	1777	1778	0.045
F018484	1778	1779	0.011
F018485	1779	1779.5	0.012
F018486	1779.5	1779.8	4.55
F018487	1779.8	1780.4	0.025
F018488	1780.4	1781	0.015
F018489	1781	1782	0.045
F018491	1782	1782.6	4.91
F018492	1782.6	1783	0.209
F018493	1783	1784	0.005
F018494	1784	1785	0.005
F018495	1785	1786	0.006
F018496	1786	1786.7	0.01
F018497	1786.7	1787	4.02
F018498	1787	1788	0.014
F018499	1788	1789	0.014
F018501	1789	1789.8	0.036
F018502	1789.8	1790.4	1.67
F018503	1790.4	1791	0.05
F018504	1791	1791.4	3.52
F018505	1791.4	1791.7	1.17
F018506	1791.7	1792	0.055
F018507	1792	1793	1.47
F018508	1793	1794	0.051
F018509	1794	1795	0.071
F018511	1795	1796	0.161
F018512	1796	1796.7	5.62
F018513	1796.7	1797.5	3.5
F018514	1797.5	1798.1	21.2
F018515	1798.1	1799	0.96
F018516	1799	1799.8	0.393
F018517	1799.8	1800.8	0.585
F018518	1800.8	1801.4	0.142
F018519	1801.4	1802	0.784

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1718.4	1763.2	3F	LG	FOL	Light-med grey felsic lapilli tuff (3F). Fg w abundant and weakly/locally attenuated white lapilli. Well fol. Locally weakly magnetic. Mod sporadic thin meth flt splays w green staining bleeding into host rock. Minor fracturing following fabric.	5-7% qz-cb veining w lcl ser halos. Tr-3% Po and Py in both veining and groundmass.
1763.2	1767.7	4F	BK	POR BL	Black grt-bt schist (4F). Fg w abundant mg and local cg an-subhedral grt. Well foliated to locally weakly compositionally banded. Weakly magnetic. 5% white-grey qz-cb veining. 10cm of grt-amp banding at UC. Sharp UC. Tr Po in both litho and veining.	
1767.7	1770.3	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Very weakly magnetic. Mod bt wisps w patches of increased bt content. 2-3% qz-cb veining (white-grey). Lcl brittle fracturing towards LC from 1770-1770.3m w fractures following fabric.	No visible min. Sharp LC
1770.3	1771	4F	B	POR BL	Brown grt-bt schist (4F). Fine grained w mod sct cg to very cg an-subhedral grt. Abundant st grains disseminated throughout. <1% qz-cb stringers at UC and LC. Tr Po in stringers at LC. Well foliated. Very weakly magnetic. Sharp LC.	
1771	1779	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Abundant bt wisps. Very weakly magnetic. Local minor fracturing. 2-3% white qz-cb veining. No visible min. SZ from 1778.2-1779.8m w strong foliated and increased bt. Ground/spun LC.	
1779	1779.8	4F	B	POR BL	Brown grt-bt schist (4F). Fine grained w scattered very cg anhedral and weakly distorted/wispy grt. Abundant disseminated st grains throughout. Strongly foliated due to SZ (1778.2-1779.8m). No visible min or significant veining. Weakly magnetic.	Minor unit of 4E from 1779.7-1779.8m w ~7% qz-cb stringers and up to 6% Po in both veining and groundmass. Sharp LC.
1779.8	1782	2	GG	FOL	Dark grey-green grt-amp BIF (4E) w sporadic grt-bt bands. Well banded w local wavy bands. Minor grt-gru banding. Minor discing present at 1782.3m. Rubbly core at 1788.7-1788.8m. Weakly magnetic. Patchy Po min up to 3% in both veining and groundmass.	
1782	1783	4E	GG	BA	Dark grey-green mafic volc (2). Fine grained. Well foliated. A lot of drill bit markings on core makes it difficult to see core. Locally weakly magnetic. Local fracturing both shallow and steep TCA (steeper fractures follow fabric).	2-3% qz-cb veining. Fine grained. Sharp LC.
1783	1789.8	2	GG	FOL	Dark grey-green grt-amp BIF (4E). Fine grained. Magnetic. Banded to well fol. Sporadic grt-bt bands at UC. 3-4% qz-cb veining/cb wisps. Up to 2% Po in both veining & groundmass. Grt range from fg to cg & anhedral. Core is greasy & hard to see towards LC. Dark grey-green mafic volc (2). Fine grained. Well foliated. Nonmagnetic. Wk-mod fracturing near LC w some discing present. 2-3% qz-cb stringers. No visible mineralization. Gradational LC (hard to see contact due to blocky and greasy core).	Minor 6N w up to 10% magnetic stringer Po. Mod-strong brittle faulting & discing from 1786.9-1789m w lcl fault gouge @ end of interval. Poss SZ from 1789.2-1790m w thick qz-cb veins/infill. Sharp LC.
1789.8	1790.4	4F	GG	BA FOL	Dark grey-green grt-amp BIF (4E). Fine grained w abundant mg to very cg sub-euhedral grt. Weakly magnetic. Sporadic grt-bt bands. Blocky core due to abundant discing. Core is greasy. Up to 3% Po in veining & interstitial to grt. 2-3% white qz-cb veining.	
1790.4	1791	2	GG	BA	Black grt-bt schist (4F). Fine grained w abundant fg-mg subhedral grt. Weakly magnetic. Well foliated, locally wavy. 1% qz-cb stringers at UC and LC. Tr Po in groundmass assoc w grt. Gradational LC. Mod fracturing parallel to foliated.	Gradational LC.
1791	1791.4	4E	GG	POR BL	Dark brown grt-bearing metased (6W). Fine grained. Weakly laminated to foliated. Very weakly magnetic. Gradational LC. 1% white-grey qz-cb veining. Tr Po in groundmass around veining.	Sharp LC.
1791.4	1791.7	4E	BK			
1791.7	1792	6W	B	LA		
1792	1796	4F	BK	POR BL	Black grt-bt schist (4F). Fine grained w abundant f-mg and local bands of cg sub-euhedral grt. Well foliated to compositionally banded. Weakly magnetic. Minor sporadic grt-gru bands. Sporadic grt-amp bands. Local weak folded grt-amp bands. Dark grey-green grt-amp-gru BIF (4EA). Fine grained w abundant cg-very cg subhedral grt. Mod magnetic. Well banded. Mod folded. Mod grt-gru banding. 10-15% qz-cb veining/flooding. 2-6% Po in both veining & groundmass. Wk-mod grt-bt bands. Gradational LC.	Tr patchy Po in grt-bt bands and grt-amp bands. Sharp LC.
1796	1798.1	4EA	GG	BA	Dark grey-green chert-mag BIF w abundant grt-bt bands (4BF). Sct grt-gru bands and marginal gru. Fine grained to aphanitic. Magnetic. Well banded with local waves. 1% qz-cb veining. Tr Po predominantly in groundmass. Grt grains are m-cg and subhedral.	
1798.1	1799.8	4BF	GG	BA	Dark grey-green grt-amp-gru BIF (4EA) w patches of more chert-mag bands & less grt-gru. Magnetic. Fg to aph w mg to very cg subhedral grt. 3-5% qz-cb veining. Tr Po mostly seen in groundmass. Well banded w patches of mod folding. Sporadic grt-bt bands.	Wk-mod grt-amp presents. Minor chl wisps. Gradational LC.
1799.8	1801.4	4EA	GG	BA	Dark grey chert-mag BIF w abundant grt-bt bands (4BF). Aphanitic w mod fg-mg subhedral grt. Strongly magnetic. Drill markings/grease on core make it difficult to see in areas. Rubbly core @ 1801.7m. Thinly banded to patches of thick bands. Mod chl wisps.	Gradational LC.
1801.4	1803	4BF	G	BA		5-7% qz-cb veining. Tr-5% Po in both veining and groundmass. Gradational LC.

MINOR UNIT

Unit	Comments
4E	Minor 4E. Weakly banded to weakly distorted. Very weakly magnetic. Up to 6% Po and qz-cb stringers. Part of a wk-mod SZ.
6N	Black 6N. Well foliated to wispy texture. Up to 10% dis-str magnetic Po. Sharp contacts. Minor cb wisps present.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-007

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018519	1801.4	1802	0.784	1801.4	1803	4BF	G	BA	Dark grey chert-mag BIF w abundant grt-bt bands (4BF). Aphanitic w mod fg-mg subhedral grt. Strongly magnetic. Drill markings/grease on core make it difficult to see in areas. Rubbly core @ 1801.7m. Thinly banded to patches of thick bands. Mod chl wisps.	5-7% qz-cb veining. Tr-5% Po in both veining and groundmass. Gradational LC.										
	F018521	1802	1803	2.13																	
	F018522	1803	1804	0.727																	
	F018523	1804	1804.6	6.13																	
1805	F018524	1804.6	1805.3	0.126																	
	F018525	1805.3	1806	0.007																	
	F018526	1806	1806.5	0.029																	
	F018527	1806.5	1806.8	0.005																	
	F018528	1806.8	1807.6	0.009																	
	F018529	1807.6	1808.3	0.005																	
	F018531	1808.3	1809	0.036																	
	F018532	1809	1810	0.073	1803	1816.8	4B	G	BA	Dark grey-purple chert-mag BIF (4B). Aph w sporadic bands of grt-bt. Well banded w lcl waves or folds. Strongly mag. Lcl minor chl wisps. Mod discing/rubbly core at 1812.1-1812.6m. 5% sporadic qz-cb veins. Local fracturing parallel and oblique to fabric.	Drill markings and grease make it difficult to see parts of core. Tr-5% Po predominantly seen in groundmass.										
1810	F018533	1810	1811	0.035																	
	F018534	1811	1811.8	0.023																	
	F018535	1811.8	1812.5	0.135																	
	F018536	1812.5	1813	0.034																	
	F018537	1813	1814	0.038																	
	F018538	1814	1815	0.065																	
1815	F018539	1815	1816	0.04																	
	F018541	1816	1816.8	0.226																	
	F018542	1816.8	1817.5	0.016	1816.8	1817.5	13	BK	POR	Black lamp dyke (I3). Fine grained groundmass w coarse grained clasts. Magnetic. Abundant sub-round white qz-cb grains. Phenocrystic and massive in texture. <1% qz-cb veining. No visible mineralization. Sharp UC and LC.											
	F018543	1817.5	1818	0.078	1817.5	1825.9	4B	G	BA	Dark grey chert-mag BIF (4B). Aphanitic. Strongly magnetic. Sporadic grt-bt bands. Well banded w local folding and waves. Drill markings on core make it difficult to see. Patchy tr up to 8% Po in both veining and groundmass. 5-7% qz-cb veining.	SZ w qz-cb flooding and 5% Po from 1821.2-1821.9m. Gradational LC.										
	F018544	1818	1819	0.083																	
	F018545	1819	1819.4	0.04																	
1820	F018546	1819.4	1820.4	0.3																	
	F018547	1820.4	1821.2	0.295																	
	F018548	1821.2	1821.9	0.369																	
	F018549	1821.9	1822.6	0.118																	
	F018551	1822.6	1823.3	0.06																	
	F018552	1823.3	1824	0.064																	
	F018553	1824	1825	0.042																	
1825	F018554	1825	1825.9	0.032																	
	F018555	1825.9	1826.5	0.055	1825.9	1829.4	4A	G	DIST	Dark grey to grey-beige chert-gru BIF (4A) w mod chert-mag bands. Locally strongly magnetic. Aph. Banded to distorted. Mod wispy gru. 3-5% qz-cb veining. 3-7% Po in veining and groundmass. Tr-3% Apy in groundmass. Sporadic grt-bt bands (locally folded).	Minor 4E from 1829.2-1829.4m w up to 10% Po in vns & groundmass. SZ from 1827.1-1829.4m w thinly banded/distorted fabric. Sharp LC.										
	F018556	1826.5	1827	0.026																	
	F018557	1827	1827.7	0.183																	
	F018558	1827.7	1828.7	0.035																	
	F018559	1828.7	1829.1	0.028																	
	F018561	1829.1	1829.4	0.066								4E	Weakly distorted to banded 4E. Weakly magnetic. Fine grained w mod cg to very cg an-subhedral grt. 1% qz-cb stringers/wisps. 10% Po in veining and groundmass.								
1830	F018562	1829.4	1830	0.009	1829.4	1830	3A	G	FOL	Dark grey andesite (3A). Fine grained. Very weakly magnetic. Well foliated. 2% white qz-cb veinlets at near UC with minor specks of Po (not significant). 20cm of core past the 1830m block (excess core in tube). EOH.											
1835																					
1840																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	931.2	Wedge hole no log														
25																					
30																					
35																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	931.2	Wedge hole no log														
65																					
70																					
75																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	931.2	Wedge hole no log														
105																					
110																					
115																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	931.2	Wedge hole no log														
145																					
150																					
155																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	931.2	Wedge hole no log														
185																					
190																					
195																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	931.2	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	931.2	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	931.2	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	931.2	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	931.2	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	931.2	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	931.2	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	931.2	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	931.2	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	931.2	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	931.2	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	931.2	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	931.2	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	931.2	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	931.2	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	931.2	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	931.2	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-008

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	931.2	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925					0	931.2	Wedge hole no log														
930																					
935					931.2	946.7	3F	G	POR	Grey fg massive rock that is most indicative of a felsic lapilli tuff. This rock is characterized by zones of strain and brecciation. Furthermore, this entity is punctuated by quartz and quartz-carbonate veinlets/veins.	This rock exhibits weak patches of sericite alteration. A weak foliation is exhibited in some localities, but is predominantly non-discernable. Extremely sparse localized fg Po and Py mineralization is present. Lower contact is sharp.										
940																					
945																					
					946.7	947.1	2	DG	MA	Dark green fg mafic entity that is most resemblant of a metavolcanic unit. Lower contact is sharp.											
950					947.1	951.5	3F	G	POR	Grey fg massive rock that is most indicative of a felsic lapilli tuff. This rock is characterized by zones of strain and brecciation. Furthermore, this entity is punctuated by quartz and quartz-carbonate veinlets/veins.	This rock exhibits weak patches of sericite alteration. A weak foliation is exhibited in some localities, but is predominantly non-discernable. Extremely sparse localized fg Po and Py mineralization is present. Lower contact is sharp.										
					951.5	953.2				Ground core due to wedging.											
955					953.2	969.2	3F	G	POR	Grey fg massive rock that is most indicative of a felsic lapilli tuff. This rock is characterized by zones of strain and brecciation. Furthermore, this entity is punctuated by quartz and quartz-carbonate veinlets/veins.	This rock exhibits weak patches of sericite alteration. A weak foliation is exhibited in some localities, but is predominantly non-discernable. Extremely sparse localized fg Po and Py mineralization is present. Lower contact is sharp.										
960																					

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965					953.2	969.2	3F	G	POR	Grey fg massive rock that is most indicative of a felsic lapilli tuff. This rock is characterized by zones of strain and brecciation. Furthermore, this entity is punctuated by quartz and quartz-carbonate veinlets/veins.	This rock exhibits weak patches of sericite alteration. A weak foliation is exhibited in some localities, but is predominantly non-discernable. Extremely sparse localized fg Po and Py mineralization is present. Lower contact is sharp.										
970					969.2	975.5	2	DG	MA	Dark green fg massive rock that is most resemblant of a mafic metavolcanic. This entity contains an extremely sparse quantity of fg Po mineralization. Portions of this rock show a somewhat "mottled" texture and mg crystals are present.											
975					975.5	977.6				Ground core due to wedging.											
980					977.6	993	2	DG	MA	Dark green fg massive rock that is most resemblant of a mafic metavolcanic. This entity contains an extremely sparse quantity of fg Po mineralization. Portions of this rock show a somewhat "mottled" texture and mg crystals are present.	Lower contact is irregular.										
985																					
990																					
995					993	1037.1	3F	G	MA	Grey massive fg felsic lapilli tuff exhibiting weak sericite alteration and localized strain: some zones of strain exhibit brecciation and contain a significant quantity of carbonate material. Appreciable localized fg Po mineralization is present.	The majority of this entity does not exhibit a foliation: definitive fabrics occur predominantly in zones of strain. Lower contact is irregular.										
1000																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
	F013511	1013.4	1014.4	0.056																	
1015	F013512	1014.4	1015.4	0.024																	
	F013513	1015.4	1016.4	0.028																	
	F013514	1016.4	1016.9	0.035																	
	F013515	1016.9	1017.7	0.014																	
	F013516	1017.7	1018	0.015																	
	F013517	1018	1019	0.016																	
	F013518	1019	1019.5	0.029	993	1037.1	3F	G	MA	Grey massive fg felsic lapilli tuff exhibiting weak sericite alteration and localized strain: some zones of strain exhibit brecciation and contain a significant quantity of carbonate material. Appreciable localized fg Po mineralization is present.	The majority of this entity does not exhibit a foliation: definitive fabrics occur predominantly in zones of strain. Lower contact is irregular.										
1020	F013519	1019.5	1020.5	0.015																	
	F013521	1020.5	1021.1	0.019																	
	F013522	1021.1	1022.1	0.019																	
	F013523	1022.1	1023.1	0.04																	
	F013524	1023.1	1024.1	0.036																	
	F013525	1024.1	1025	0.02																	
1025	F013526	1025	1025.9	0.01																	
	F013527	1025.9	1026.9	0.016																	
	F013528	1026.9	1027.6	0.022																	
	F013529	1027.6	1028.6	0.029																	
	F013531	1028.6	1029.6	0.029																	
1030	F013532	1029.6	1030.6	0.022																	
	F013533	1030.6	1031.6	0.049																	
	F013534	1031.6	1032.1	0.042																	
	F013535	1032.1	1033.1	0.02																	
	F013536	1033.1	1034.1	0.016																	
	F013537	1034.1	1035.1	0.018																	
	F013538	1035.1	1035.4	0.022																	
1035	F013539	1035.4	1035.7	0.01								2	Unit appears to be comprised of a predominance of amphibole and is most indicative of a minor "2" entity. Perhaps this is localized alteration.								
	F013541	1035.7	1036.1	0.032																	
	F013542	1036.1	1037.1	0.01																	
	F013543	1037.1	1038.1	0.039																	
	F013544	1038.1	1039.1	0.023	1037.1	1041	2	GG	MA	Grey-green fg massive mafic metavolcanic with no discernable S1 foliation. Lower contact is irregular.											
	F013545	1039.1	1040.1	0.02																	
1040	F013546	1040.1	1041	0.015																	
	F013547	1041	1041.5	0.01	1041	1041.5	3F	G	POR	Grey fg porphyritic felsic lapilli tuff with no discernable foliation fabric. Lower contact is irregular.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013547	1041	1041.5	0.01	1041	1041.5	3F	G	POR	Grey fg porphyritic felsic lapilli tuff with no discernable foliation fabric. Lower contact is irregular.											
	F013548	1041.5	1041.9	0.017	1041.5	1052.2	2	GG	MA	Grey-green fg massive mafic metavolcanic containing appreciable fg Po mineralization. This entity lacks a discernable S1 fabric; textures that are present are weakly defined. Lower contact is gradational.											
	F013549	1041.9	1042.9	0.049																	
	F013551	1042.9	1043.4	0.082																	
	F013552	1043.4	1044.4	0.02																	
1045	F013553	1044.4	1045.4	0.037																	
	F013554	1045.4	1046.4	0.027																	
	F013555	1046.4	1046.7	0.024																	
	F013556	1046.7	1047.3	0.052																	
	F013557	1047.3	1047.6	0.013																	
	F013558	1047.6	1048.2	0.032																	
	F013559	1048.2	1048.8	0.044																	
	F013561	1048.8	1049.1	0.138																	
1050	F013562	1049.1	1050.1	0.036																	
	F013563	1050.1	1050.7	0.015																	
	F013564	1050.7	1051.2	0.01																	
	F013565	1051.2	1051.5	0.063																	
	F013566	1051.5	1052.2	0.01	1052.2	1054.1	2U	GG	POR BL	Grey-green fg garnet-bearing mafic metavolcanic containing an appreciable quantity of fg Po mineralization; garnet crystals are predominantly mg-cg and subhedral. Lower contact is irregular.											
	F013567	1052.2	1052.5	0.027																	
	F013568	1052.5	1053	0.024																	
1055	F013569	1053	1053.9	0.043																	
	F013571	1053.6	1054.1	0.015																	
	F013572	1054.1	1055.1	0.017	1054.1	1095.4	2	GG	MA	Grey-green fg massive mafic metavolcanic exhibiting localized strain. This entity contains an appreciable quantity of fg Po mineralization. Foliations that are exhibited appear to be induced by shearing events, however, some have been broken-out as S1.	This entity is punctuated by quartz-carbonate veins/veinlets.										
	F013573	1055.1	1056.1	0.053																	
	F013574	1056.1	1057.1	0.038																	
	F013575	1057.1	1058.1																		
	F013576	1058.1	1059.1	0.06																	
	F013577	1059.1	1060.1	0.052																	
1060	F013578	1060.1	1061.1	0.033																	
	F013579	1061.1	1061.6	0.018																	
	F013581	1061.6	1062.6	0.026																	
	F013582	1062.6	1063.6	0.018																	
	F013583	1063.6	1064	0.028																	
	F013584	1064	1064.6	0.032																	
1065	F013585	1064.6	1065.6	0.055																	
	F013586	1065.6	1066.6	0.012																	
	F013587	1066.6	1066.9	0.033																	
	F013588	1066.9	1067.7	0.019																	
	F013589	1067.7	1068	0.01																	
	F013591	1068	1069	0.017																	
	F013592	1069	1070	0.01																	
1070	F013593	1070	1071	0.01																	
	F013594	1071	1071.6	0.018																	
	F013595	1071.6	1072.2	0.031																	
	F013596	1072.2	1073.2	0.021																	
	F013597	1073.2	1073.6	0.016																	
	F013598	1073.6	1074.6	0.022																	
1075	F013599	1074.6	1075.5	0.059																	
	F013601	1075.5	1076	0.012																	
	F013602	1076	1076.7	0.029																	
	F013603	1076.7	1077.4	0.035																	
	F013604	1077.4	1078.2	0.025																	
	F013605	1078.2	1078.6	0.057																	
	F013606	1078.6	1079.1	0.022																	
	F013607	1079.1	1080.1	0.065																	
1080	F013608	1080.1	1081.1	0.037																	
	F013609	1081.1	1082	0.022																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013609	1081.1	1082	0.022	1054.1	1095.4	2	GG	MA	Grey-green fg massive mafic metavolcanic exhibiting localized strain. This entity contains an appreciable quantity of fg Po mineralization. Foliations that are exhibited appear to be induced by shearing events, however, some have been broken-out as S1.	This entity is punctuated by quartz-carbonate veins/veinlets.										
	F013611	1082	1082.7	0.03																	
	F013612	1082.7	1083.3	0.026																	
	F013613	1083.3	1084.3	0.024																	
1085	F013614	1084.3	1085.3	0.027																	
	F013615	1085.3	1086.3	0.013																	
	F013616	1086.3	1087.3	0.028																	
	F013617	1087.3	1088	0.013																	
	F013618	1088	1088.5	0.018																	
	F013619	1088.5	1089.2	0.036																	
1090	F013621	1089.2	1090.2	0.065																	
	F013622	1090.2	1091.2	0.014																	
	F013623	1091.2	1092.2	0.01																	
	F013624	1092.2	1093.2	0.021																	
	F013625	1093.2	1094	0.028																	
	F013626	1094	1094.6	0.354																	
1095	F013627	1094.6	1095.4	0.053						Section is assumed to have been ground by drill - "3M bit change". Ground face present on core.											
					1095.4	1097.3				Dark green fg mafic metavolcanic containing a sparse quantity of fg Po mineralization. Lower contact is faint, albeit sharp.											
	F013628	1097.3	1097.7		1097.3	1097.7	2	DG	MA	Grey fg massive rock that is punctuated by quartz veins/veinlets. This entity shows low magnetic susceptibility values (~0.15) and evidences a weak foliation: foliation may be due to localized strain, as opposed to being S1. Lower contact is sharp.	This entity contains a sparse quantity of fg Po and Py mineralization. This unit evidences lower magnetic susceptibility values, with an average of 0.1 approximately.										
	F013629	1097.7	1098.3	0.208	1097.7	1099.3	3	G	MA	Dark green massive rock that is most resemblant of mafic metavolcanic material. This entity contains a sparse quantity of fg Po mineralization and is punctuated by quartz-carbonate/carbonate veinlets. Lower contact is gradational.	Many fg pink garnet crystals are present within this unit. Lower contact is sharp.										
	F013631	1098.3	1099.3	0.044	1099.3	1100.5	2	DG	MA	Grey-green fg rock exhibiting pronounced strain and punctuated by quartz-carbonate/carbonate veins/veinlets. It is difficult to discern the identity of this rock, as it appears to be a mixture of "2" and "G" material.	Many sheared fg pink garnet crystals are present aligned subparallel to foliation. A single bleb of what is most indicative of Cp is present. Lower contact is sharp.										
	F013632	1099.3	1099.9	0.03	1100.5	1102.1		GG	FOL	Dark green fg mafic metavolcanic exhibiting a weak, albeit discernable foliation. This entity contains an extremely sparse quantity of fg Po mineralization. Lower contact is sharp.											
	F013633	1099.9	1100.5	0.035	1102.1	1102.7	2	DG	FOL	Brown fg rock that is most resemblant of a sheared metasediment: this entity exhibits pronounced strain and shows magnetic susceptibility values ranging from 0.02-0.1 approximately. This rock is punctuated by carbonate veinlets/veins.											
	F013634	1100.5	1100.9	0.035	1102.7	1103.8		B	FOL												
1100	F013635	1100.9	1101.2	0.028	1103.8	1106.3	3	G	MA	Grey fg rock punctuated by quartz-carbonate and quartz veins/veinlets. A weak foliation appears to be exhibited, but may be due to strain, as opposed to being S1.	This rock is identical to "3F" material spanning 1114.4-1115.8m, save for the fact that it does not contain an visible "lapilli". Lower contact is sharp.										
	F013636	1101.2	1101.8	0.031	1106.3	1106.8	2	DG	MA	Dark green fg rock exhibiting a weak, albeit distinct foliation. Lower contact is sharp.											
	F013637	1101.8	1102.1	0.016	1106.8	1111.7	3	G	MA	Grey fg massive rock exhibiting a weak, albeit distinct foliation. This entity contains sparse mg subhedral garnet crystals. Wisps of carbonate material are present.	This entity contains a sparse quantity of fg Po mineralization. This rock is identical to "3F" material spanning 1114.4-1115.8m, save for the fact that it does not contain an visible "lapilli". Lower contact is sheared.										
	F013638	1102.1	1102.7	0.045	1111.7	1114.4	2	DG	MA	Dark green fg massive mafic metavolcanic containing a sparse quantity of fg Po and Py mineralization. This entity is punctuated by quartz and carbonate veins/veinlets. Lower contact is irregular.											
	F013639	1102.7	1103.3	0.079	1114.4	1115.8	3F	G	POR	Grey fg rock characterized by white fg-mg "lapilli?". This entity is most indicative of felsic lapilli tuff and exhibits a faulted lower contact.											
	F013641	1103.3	1103.8	0.066	1115.8	1122.5	2	DG	MA	Dark green fg massive mafic metavolcanic punctuated by quartz-carbonate and quartz veins/veinlets.											
	F013642	1103.8	1104.8	0.035																	
1105	F013643	1104.8	1105.8	0.024																	
	F013644	1105.8	1106.3	0.036																	
	F013645	1106.3	1106.8	0.026																	
	F013646	1106.8	1107.8	0.028																	
	F013647	1107.8	1108.8																		
	F013648	1108.8	1109.6	0.022																	
	F013649	1109.6	1110.3	0.023																	
1110	F013651	1110.3	1110.6	0.017																	
	F013652	1110.6	1111.2	0.027																	
	F013653	1111.2	1111.7	0.018																	
	F013654	1111.7	1112.2	0.025																	
	F013655	1112.2	1112.6	0.028																	
	F013656	1112.6	1113.6	0.027																	
	F013657	1113.6	1114.4	0.02																	
1115	F013658	1114.4	1115.4	0.039																	
	F013659	1115.4	1115.8	0.01																	
	F013661	1115.8	1116.8	0.01																	
	F013662	1116.8	1117.8	0.021																	
	F013663	1117.8	1118.7	0.01																	
	F013664	1118.7	1119.4	0.019																	
1120	F013665	1119.4	1120.4	0.014																	
	F013666	1120.4	1121	0.016																	
	F013667	1121	1122	0.01																	
				0.015																	

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Assay

Depth	Sample	From	To	AU ppm
	F013667	1121	1122	0.015
	F013668	1122	1122.5	0.012
1125				
1130				
	F013669	1134.9	1135.4	
	F013671	1135.5	1135.9	0.025
1135	F013672	1135.9	1136.2	0.032
	F013673	1136.2	1136.9	0.023
	F013674	1136.9	1137.2	0.017
	F013675	1137.2	1137.8	0.023
	F013676	1137.8	1138.1	0.032
	F013677	1138.1	1138.4	0.015
	F013678	1138.4	1139.4	0.022
1140	F013679	1139.4	1140.4	0.021
1145				0.016
1150	F013681	1149.9	1150.9	0.032
	F013682	1150.9	1151.9	0.017
	F013683	1151.9	1152.9	0.021
	F013684	1152.9	1153.9	0.019
	F013685	1153.9	1154.6	0.03
1155	F013686	1154.6	1155.2	0.113
	F013687	1155.2	1155.8	0.018
	F013688	1155.8	1156.5	0.026
	F013689	1156.5	1157.3	0.021
	F013691	1157.3	1158	0.036
	F013692	1158	1158.3	0.028
	F013693	1158.3	1159.3	0.019
1160				

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1115.8	1122.5	2	DG	MA	Dark green fg massive mafic metavolcanic punctuated by quartz-carbonate and quartz veins/veinlets.	
1122.5	1124.1				Core is missing/ground due to wedging.	
1124.1	1128.3	2	DG	MA	Dark green fg mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. Lower contact is sharp.	
1128.3	1129.5	3	G	MA	Grey fg massive felsic rock exhibiting no textural features that are definitively indicative of lapilli. This entity exhibits weak sericite alteration and contains a sparse quantity of fg Py and Po mineralization. Lower contact is sharp.	
1129.5	1133.8	2	DG	MA	Dark green massive fg mafic metavolcanic punctuated by quartz-carbonate veins/veinlets. This entity contains a sparse quantity of fg Py mineralization. Lower contact is sharp.	
1133.8	1134.4	3	G	MA	Grey fg felsic rock that houses minor "2" material. This entity evidences low magnetic susceptibility values (~0.1-0.2) and is punctuated by quartz-carbonate veins/veinlets. Perhaps this entity could be logged as "6" material.	Lower contact is sharp.
1134.4	1134.7	2	DG	MA		
1134.7	1135.5	3F	G	POR	Dark green fg mafic metavolcanic exhibiting a sharp lower contact.	
1135.5	1135.9	2	DG	MA	Grey fg felsic rock exhibiting textural features that are resemblant of lapilli. This entity evidences weak sericite alteration and exhibits a sharp lower contact.	
1135.9	1136.2	3	G	MA	Dark green fg massive mafic metavolcanic punctuated by quartz-carbonate material. Lower contact is sharp.	
1136.2	1142.1	2	DG	MA	Dark grey fg massive felsic rock punctuated by quartz-carbonate material. Perhaps this entity could be logged as "6" material. This entity exhibits a sharp lower contact. Dark green fg massive mafic metavolcanic punctuated by quartz-carbonate material. Gradational LC.	
1142.1	1146	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Unit is moderately attenuated and qz/cb flooded. ~0.1-3cm qz/cb flooding with intermittent folding. Non-magnetic. No visible min. Gradational LC.	
1146	1155.2	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt-amp alteration and pervasive cb-ser alteration. Intermittent 0.5-1cm qz/cb veining. Non-magnetic. Localized 0.5% disseminated/wispy po min within litho. Gradational LC.	
1155.2	1155.8	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Unit is weakly attenuated. ~0.1-1cm qz/cb veining. Non-magnetic. No visible min. Irregular LC.	
1155.8	1158	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Weak-mod bt-amp alteration. Intermittent 0.5-1cm qz/cb veining. Non-magnetic. Localized 0.5% disseminated/wispy po min within litho. Irregular LC.	
1158	1163.4	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Unit is weakly attenuated, intermittently folded and qz/cb flooded. ~0.1-5cm qz/cb flooding. Non-magnetic. Trace po min within litho. Sharp LC.	

MINOR UNIT

Unit	Comments
2	

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165					1158	1163.4	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Unit is weakly attenuated, intermittently folded and qz/cb flooded. ~0.1-5cm qz/cb flooding. Non-magnetic. Trace po min within litho. Sharp LC.											
					1163.4	1163.9	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Strong bt-amp alteration. Intermittent 0.5cm qz/cb veining. Non-magnetic. No visible min. Sharp LC.											
					1163.9	1164.9	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Intermittent ~0.1-0.5cm folded qz/cb veining. Non-magnetic. Trace po min within litho. Sharp LC.											
					1164.9	1166.8	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt-amp alteration. Intermittent 0.5-1cm qz/cb veining. Non-magnetic. No visible min. Gradational LC.											
1170					1166.8	1190.2	3F	G	POR	Fg grey-brown porphyritic well foliated felsic lapilli tuff. Mod-strong bt-ms alteration. Intermittent ~0.5-5cm folded/distorted qz/cb veining. Non-magnetic. Localized 0.5% disseminated/wispy po min within litho. Sharp LC.											
	F013694	1171.4	1172.4	0.014																	
	F013695	1172.4	1173.4	0.024																	
	F013696	1173.4	1173.8	0.018																	
	F013697	1173.8	1174.8	0.028																	
1175	F013698	1174.8	1175.8	0.03																	
1180																					
1185																					
1190																					
	F013699	1190.3	1191.3	0.254	1190.2	1201.9	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt, weak ms alteration, localized blebs of strong gru alteration. Unit contains an ~30cm intense fault and a localized area of weak faulting resulting in distortion of the surrounding fabric.	Intermittent 0.5-2cm distorted qz veining. Locally weakly magnetic. Localized 0.5% disseminated po min within litho. Sharp LC.										
	F013701	1191.3	1192.3	0.043																	
	F013702	1192.3	1192.6	0.048																	
	F013703	1192.6	1193.4	0.034																	
	F013704	1193.4	1194.2	0.047																	
	F013705	1194.2	1195	0.03																	
1195	F013706	1195	1195.8	0.871																	
	F013707	1195.8	1196.7	0.055																	
	F013708	1196.7	1197	0.221																	
	F013709	1197	1198	0.234																	
	F013711	1198	1199	0.061																	
	F013712	1199	1200	0.044																	
1200	F013713	1200	1201	0.075																	
	F013714	1201	1201.9	0.027																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013714	1201	1201.9	0.027	1190.2	1201.9	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt, weak ms alteration, localized blebs of strong gru alteration. Unit contains an ~30cm intense fault and a localized area of weak faulting resulting in distortion of the surrounding fabric.	Intermittent 0.5-2cm distorted qz veining. Locally weakly magnetic. Localized 0.5% disseminated po min within litho. Sharp LC.										
	F013715	1201.9	1202.4	0.049	1201.9	1202.4	QTZ VN	G	MA	Fg white-grey massive quartz vein with ~5-10% intercalated mafic metavolcanics. Mod-strong cb alteration. Unit is weakly distorted and attenuated. Non-magnetic. No visible min. Irregular LC.											
	F013716	1202.4	1203	0.025	1202.4	1209.9	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod bt-gru, weak ms alteration. Intermittent 0.5-1cm distorted/folded qz veining. Non-magnetic. Localized 0.5% disseminated po min within litho. Sharp LC.											
	F013717	1203	1203.6	0.02																	
	F013718	1203.6	1204.6	0.022																	
1200	F013719	1204.6	1205.4	0.035																	
	F013721	1205.4	1206.2	0.028																	
	F013722	1206.2	1207.2	0.024																	
	F013723	1207.2	1207.8	0.026																	
	F013724	1207.8	1208.5	0.041																	
	F013725	1208.5	1209.2	0.029																	
	F013726	1209.2	1209.9	0.023																	
1210	F013727	1209.9	1210.6	0.02	1209.9	1232	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff with ~1-2mm lapilli. Top of unit is moderately distorted and weakly folded. Veining and fabric are locally and intermittently folded throughout. Intermittent 0.5-5cm distorted/folded qz veining.	Non-magnetic. Localized 0.5% disseminated po min within litho at UC. Gradational LC.										
	F013728	1210.6	1211.6	0.018																	
	F013729	1211.6	1212.6	0.01																	
1215																					
1220																					
1225																					
1230																					
					1232	1233.2	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod bt alteration. Unit is moderately distorted and attenuated. Intermittent 0.5-2cm distorted/folded qz/cb veining. Non-magnetic. No visible min. Gradational LC.											
1235					1233.2	1236.6	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff with ~1-2mm lapilli. Weak bt-ms alteration. Unit is weakly attenuated throughout. Non-magnetic. No visible min. Gradational LC.											
					1236.6	1243.5	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Strong bt alteration. Unit is moderately distorted and attenuated with localized folding of veining and fabric. Intermittent 0.5-1cm distorted/folded qz/cb veining.	Non-magnetic. Trace disseminated po min within litho. Gradational LC.										
1240																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1236.6	1243.5	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Strong bt alteration. Unit is moderately distorted and attenuated with localized folding of veining and fabric. Intermittent 0.5-1cm distorted/folded qz/cb veining.	Non-magnetic. Trace disseminated po min within litho. Gradational LC.										
1245					1243.5	1246.1	3F	B	POR	Fg grey-brown porphyritic well foliated felsic lapilli tuff, possible metasediments. Mod-strong bt alteration. Intermittent 0.1-0.5cm qz/cb veining. Non-magnetic. Trace disseminated po min within litho. Gradational LC.										
1250					1246.1	1251.1	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod-strong bt alteration. Intermittent 0.1-1cm qz/cb veining. Unit is fairly laminated throughout but contains intermittent weak distortion. Non-magnetic. No visible min. Diffuse LC.										
1255																					
1260																					
1265					1251.1	1308.9	3F	G	POR	Fg grey-brown porphyritic well foliated felsic lapilli tuff. Mod-strong bt, weak ms alteration. Intermittent 0.1-5cm qz/cb veining. Unit is intermittently strain and sheared resulting in moderate-intense attenuation, distortion, and qz/cb flooding.	Unit exhibits localized intense pervasive sericite alteration and possible retrograde metamorphism. Non-magnetic. Localized 2-3% netted/threaded po min and 0.5% disseminated py min within alteration/litho. Gradational LC.										
1270																					
1275																					
1280																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295					1251.1	1308.9	3F	G	POR	Fg grey-brown porphyritic well foliated felsic lapilli tuff. Mod-strong bt, weak ms alteration. Intermittent 0.1-5cm qz/cb veining. Unit is intermittently strain and sheared resulting in moderate-intense attenuation, distortion, and qz/cb flooding.	Unit exhibits localized intense pervasive sericite alteration and possible retrograde metamorphism. Non-magnetic. Localized 2-3% netted/threaded po min and 0.5% disseminated py min within alteration/litho. Gradational LC.										
	F013731	1298.5	1299.5	0.01																	
1300	F013732	1299.5	1300.5	0.011																	
	F013733	1300.5	1301.3	0.026																	
	F013734	1301.3	1302.3	0.024																	
	F013735	1302.3	1303.3	0.011																	
1305																					
					1308.9	1309.7	2	GG	FOL	Fg grey-green well foliated mafic metavolcanics. Mod bt alteration. Intermittent 0.1-1cm qz/cb veining. Non-magnetic. Trace wispy po min within fractures. Sharp LC.										
1310																					
1315					1309.7	1348.9	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Top and bottom of unit is sheared and qz/cb flooded with the middle containing ~10-20cm qz veins one of which contains ~2-5cm tourmalines on the contacts that exhibit replacement textures.	Weak-mod bt-ms alteration and localized chl alteration within veining. Non-magnetic. Localized 0.5% disseminated po min within litho. Sharp LC.										
1320																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325	F013736	1324.5	1325.5	0.033	1309.7	1348.9	3F	G	POR	Fg grey porphyritic well foliated felsic lapilli tuff. Top and bottom of unit is sheared and qz/cb flooded with the middle containing ~10-20cm qz veins one of which contains ~2-5cm tourmalines on the contacts that exhibit replacement textures.	Weak-mod bt-ms alteration and localized chl alteration within veining. Non-magnetic. Localized 0.5% disseminated po min within litho. Sharp LC.										
	F013737	1325.5	1326.5	0.03																	
	F013738	1326.5	1327.1	0.019																	
	F013739	1327.1	1328	0.012																	
	F013741	1328	1328.8	0.186																	
	F013742	1328.8	1329.2	0.098																	
1330	F013743	1329.2	1330	0.025																	
	F013744	1330	1331	0.01																	
	F013745	1331	1331.6	0.021																	
	F013746	1331.6	1332.1	0.01																	
	F013747	1332.1	1332.6	0.016																	
	F013748	1332.6	1333.2	0.013																	
	F013749	1333.2	1334.2	0.023																	
1335	F013751	1334.2	1335.2	0.011																	
1340																					
1345																					
1350	F013752	1349.1	1350.1	4.149	1348.9	1351.1	6W	B	FOL	Fg brown moderately foliated garnet-bearing metasediments. Weak-mod bt alteration and localized strong ser alteration within bands. Porphyroblastic ~1mm subhedral grt throughout. Intermittent 1-4cm qz veining.	Non-magnetic. Trace wispy/disseminated po min within litho. Sharp LC.										
	F013753	1350.1	1351.1	0.028																	
	F013754	1351.1	1351.6	0.032	1351.1	1352.2		B	FOL	Fg brown moderately foliated metasediments. Weak-mod bt alteration and localized strong silicification at UC. Unit is weakly-moderately distorted and folded throughout. Intermittent 0.5-1cm distorted qz veining.	Non-magnetic. ~1% disseminated/wispy po min within litho throughout. Diffuse LC.										
	F013755	1351.6	1352.2	0.109																	
	F013756	1352.2	1353.2	0.011	1352.2	1380	3F	G	POR	Fg grey-brown porphyritic well foliated felsic lapilli tuff. Unit contains mod-strong ser alteration localized to bands along with localized silicification throughout. Unit is weakly-moderately attenuated/folded throughout and locally strongly distorted.	Non-magnetic. Localized 0.5-3% disseminated/wispy po min within litho and alteration.										
	F013757	1353.2	1354.2	0.01																	
	F013758	1354.2	1355	0.01																	
1355	F013759	1355	1356	0.013																	
	F013761	1356	1357	0.01																	
	F013762	1357	1358	0.01																	
	F013763	1358	1359	0.01																	
	F013764	1359	1359.5	0.01																	
1360	F013765	1359.5	1360.5	0.015																	
	F013766	1360.5	1361.5	0.059																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013766	1360.5	1361.5	0.059																	
	F013767	1361.5	1362.5	0.012																	
	F013768	1362.5	1362.8	0.036																	
	F013769	1362.8	1363.8	0.051																	
	F013771	1363.8	1364.8	0.048																	
1365																					
1370					1352.2	1380	3F	G	POR	Fg grey-brown porphyritic well foliated felsic lapilli tuff. Unit contains mod-strong ser alteration localized to bands along with localized silicification throughout. Unit is weakly-moderately attenuated/folded throughout and locally strongly distorted.	Non-magnetic. Localized 0.5-3% disseminated/wispy po min within litho and alteration.										
	F013772	1374	1375	0.031																	
1375																					
	F013773	1375	1376	0.024																	
	F013774	1376	1376.5	0.013																	
	F013775	1376.5	1377.3	0.014																	
	F013776	1377.3	1378.2	0.01																	
	F013777	1378.2	1379.2	0.013																	
	F013778	1379.2	1380	0.028			3F			Med grey felsic lapilli tuff (3F). Fine grained. Well foliated w abundant white lapilli. Nonmagnetic. 1% qz-cb veining. Localized patches of minor silicification. Scattered tr Po predominantly in groundmass. Weak lcl ms in veining. 50cm missing due to wedge.											
1380	F013779	1380	1380.5	0.028	1380	1380.5	MIS	G	FOL												
					1380.5	1381															
	F013781	1381	1382	0.024			G														
	F013782	1382	1383	0.014																	
	F013783	1383	1384	0.045																	
	F013784	1384	1385	0.026																	
1385	F013785	1385	1386	0.014																	
	F013786	1386	1387	0.041																	
	F013787	1387	1388	0.02																	
	F013788	1388	1389	0.012																	
	F013789	1389	1390	0.011																	
1390	F013791	1390	1391	0.01																	
	F013792	1391	1392	0.01	1381	1401.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained. Well foliated w abundant white lapilli. Nonmagnetic. 3-5% qz-cb veining. Localized patches of minor silicification. Scattered tr-1% Po predominantly in groundmass, but visible in some veining.	Mod ms in veining. Highly strained (poss SZ but no contacts) from 1394.8-1401.5m. Sharp LC.										
	F013793	1392	1393	0.01																	
	F013794	1393	1394	0.01																	
	F013795	1394	1395	0.011																	
1395	F013796	1395	1396	0.01																	
	F013797	1396	1397	0.02																	
	F013798	1397	1397.5	0.01																	
	F013799	1397.5	1398.5	0.03																	
	F013801	1398.5	1399.5	0.053																	
	F013802	1399.5	1400.4	0.028																	
1400	F013803	1400.4	1401	0.043						Dark grey-green mafic volc (2). Fine grained. Well foliated to highly strained. 5% white qz-cb veining. Trace Po predominantly visible in veining. Very weakly magnetic. Patches of mod pervasive cb (assoc w HZ). Abundant cohesive hairline fractures/meth										
	F013804	1401	1401.5	0.041							splays throughout unit. Gradational LC.										
	F013805	1401.5	1402.5	0.035	1401.5	1403.4	2	GG	FOL												

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013805	1401.5	1402.5	0.035	1401.5	1403.4	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated to highly strained. 5% white qz-cb veining. Trace Po predominantly visible in veining. Very weakly magnetic. Patches of mod pervasive cb (assoc w HZ). Abundant cohesive hairline fractures/meth	splays throughout unit. Gradational LC.										
	F013806	1402.5	1403.4	0.032																	
	F013807	1403.4	1404.4	0.033	1403.4	1406.9	2K	GG	FOL	Dark grey-green possible mafic dyke (2K). Medium grained. Well foliated to locally mottled looking. Mod brittle fracturing throughout. Cg mag blebs at 1405.7m. Tr Po and Py predominantly in veining. 3-4% irregular to discontinuous qz-cb veining.	Gradational LC.										
1405	F013808	1404.4	1405.4	0.03																	
	F013809	1405.4	1406.3	0.045																	
	F013811	1406.3	1406.9	0.077																	
	F013812	1406.9	1407.9	0.014	1406.9	1411.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well fol. Abundant mg amp grains (alt?). HZ from 1410-1419.6m w mod cb stringer patches. From 1410.7-1411.2m abundant hairline fractures give core a minor brecciated appearance. 5-7% qz-cb veining/stringers.	Tr Po in both veining and litho. Mod bt. Very weakly magnetic. Faulted LC.										
	F013813	1407.9	1408.9	0.021																	
	F013814	1408.9	1409.9	0.031																	
1410	F013815	1409.9	1410.7	0.039																	
	F013816	1410.7	1411.1	0.016																	
	F013817	1411.1	1411.9	0.02																	
	F013818	1411.9	1412.7	0.01	1411.9	1421.4	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained. Mod-strongly foliated w abundant white lapilli. Nonmagnetic. Locally mod bt wisps. Mod grt become present towards LC (~1420.1m). Tr local Po in groundmass. 5% qz-cb veining w mod local ms.	HZ until 1419.6m. UC is brittle and faulted until 1412.4m. Gradational LC.										
1415																					
1420	F013819	1419.4	1420.4	0.015																	
	F013821	1420.4	1421.4	0.023																	
	F013822	1421.4	1422.2	0.038	1421.4	1422.8	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w abundant mg-cg anhedral grt. Weakly magnetic localized to green amp alt bands scattered throughout unit. Tr Po in groundmass and alt bands. Well fol. 1% minor qz-cb veinlets.	HZ from 1422.2-1432.5m w cb stringers. Sharp LC.										
	F013823	1422.2	1422.8	0.025																	
	F013824	1422.8	1423.8	0.012	1422.8	1436.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated w patches of green amp alt bands (weak mag). Tr Po in groundmass. HZ from 1422.2-1432.5m. 2-3% qz-cb veining. Patches of minor silicification. Mod lcl bt wisps.	Sporadic anhedral cg grt. Gradational LC.										
	F013825	1423.8	1424.8	0.017																	
1425																					
1430																					
	F013826	1430.5	1431.4	0.016																	
	F013827	1431.4	1432.4	0.026																	
	F013828	1432.4	1433.4	0.015																	
	F013829	1433.4	1434.3	0.011																	
1435	F013831	1434.3	1435.3	0.018																	
	F013832	1435.3	1436	0.019																	
	F013833	1436	1436.5	0.011																	
					1436.5	1438.8	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w abundant cg anhedral grt. Nonmagnetic. Well foliated. No visible lapilli. Minor meth splays x-cutting fabric around 1437.2m. 1% qz-cb veining. No visible mineralization. Gradational LC.										
1440					1438.8	1444	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w weak-mod white lapilli. Well fol w local patches of fabric that appear laminated. Mod bt wisps. 3-4% qz-cb vns w weak-mod ser alt. No visible mineralization. SZ from 1441.3-1441.5m w thick qz-cb vein & strong cal.	Nonmagnetic. Gradational LC.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1438.8	1444	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w weak-mod white lapilli. Well fol w local patches of fabric that appear laminated. Mod bt wisps. 3-4% qz-cb vns w weak-mod ser alt. No visible mineralization. SZ from 1441.3-1441.5m w thick qz-cb vein & strong cal.	Nonmagnetic. Gradational LC.										
1445					1444	1447	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w cg anhedral grt (light pink in colour). Grt are concentrated in patches throughout. Locally very weakly magnetic. Sporadic chl wisps/stringers. 1% qz-cb veining. No visible mineralization. Gradational LC.											
	F013834	1446	1447	0.015																	
	F013835	1447	1447.9	0.033																	
	F013836	1447.9	1448.2	0.034																	
	F013837	1448.2	1448.7	0.041																	
	F013838	1448.7	1449.2	0.024																	
	F013839	1449.2	1450	0.024																	
1450	F013841	1450	1451	0.041																	
	F013842	1451	1452	0.01																	
	F013843	1452	1453	0.01	1447	1457.8	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli scattered throughout. Well foliated. SZ w abundant cb stringers & strong fol from 1447/3-1448.7m. Tr Po assoc w veining in middle of SZ at 1448m. Nonmagnetic.	4-5% qz-cb veining w mod ser alt. Tr Po also present scattered in groundmass. Multiple weak meth flt splays w green staining. Gradational LC.										
	F013844	1453	1454	0.041																	
	F013845	1454	1455	0.019																	
1455	F013846	1455	1456	0.01																	
	F013847	1456	1457	0.011																	
	F013848	1457	1457.8	0.016																	
	F013849	1457.8	1458.8	0.023																	
	F013851	1458.8	1459.8	0.015																	
1460	F013852	1459.8	1460.2	0.06	1457.8	1461.8	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w mod cg anhedral grt. Minor green amp alt banding between 1459-1460m which is very weakly magnetic. Well foliated. 2-3% qz-cb veining w mod ser. Tr Po present in groundmass.	Abundant qz-cb & cb veining/stringers and pervasive cb assoc w SZ from 1460.2-1462.4m. LC is sheared and difficult to pinpoint.										
	F013853	1460.2	1461	0.01																	
	F013854	1461	1461.8	0.013																	
	F013855	1461.8	1462.2	0.022																	
					1461.8	1464.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. UC is sheared (SZ end at 1462.4m). Abundant bt present. 1-2% qz-cb veinlets and 15% qz-cb & cb stringers assoc w SZ. No visible mineralization.	Very weakly magnetic. Mod soft & white alt stringers sct (does not fizz). Gradational LC.										
1465					1464.5	1465.6	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Abundant bt wisps. Weakly magnetic. Mod cb stringers (5-7%) scattered assoc w HZ (1463.9-1467.9m). No visible mineralization. Alternating bt/3F bands w mafic in first 20cm of unit. Sharp LC.											
					1465.6	1468.9	3F	G	FOL	Dark grey felsic lapilli tuff (3F). Fine grained w mod sct white lapilli. Well foliated. Abundant hairline fractures following fabric w light brown and green staining of host rock. Locally weakly magnetic. HZ from 1463.9-1467.9m w mod cb stringers.	No visible mineralization. 1% qz-cb veinlets. Gradational LC.										
	F013856	1468.1	1468.9	0.01																	
	F013857	1468.9	1469.3	0.021																	
1470	F013858	1469.3	1470.1	0.013	1468.9	1470.1	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w scattered cg anhedral grt. Well foliated w abundant bt wisps and sporadic green amp alt bands (weakly magnetic). No visible lapilli. Rare Po speck in groundmass. Mod fg musc. 1% qz-cb veining.	Gradational LC.										
	F013859	1470.1	1470.7	0.01																	
	F013861	1470.7	1471.7	0.01																	
	F013862	1471.7	1472.7	0.044																	
	F013863	1472.7	1473.5	0.016	1470.1	1475.1	3F	G	FOL	Dark grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Very weakly magnetic. Well foliated. Minor scattered meth flt splays. 2-3% qz-cb veining w weak ser alt. Tr local Po in groundmass. LC is gradational.											
	F013864	1473.5	1473.8	0.025																	
	F013865	1473.8	1474.8	0.027																	
1475	F013866	1474.8	1475.1	0.064																	
	F013867	1475.1	1475.8	0.213																	
					1475.1	1499.5	6W	G	PORBL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) mod to well foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Mod to strong pervasive sericite alteration.	Wk methane splays locally x-cutting fabric. Local brittle faulting and high strain zones causing mod cb flooding and int ser alt. No visible mineralization. LC is gradational.										
1480																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485																					
1490					1475.1	1499.5	6W	G	POR BL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) mod to well foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Mod to strong pervasive sericite alteration.	Wk methane splays locally x-cutting fabric. Local brittle faulting and high strain zones causing mod cb flooding and int ser alt. No visible mineralization. LC is gradational.										
1495																					
1500					1499.5	1504.1	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli weakly attenuated along foliation. Strong pervasive sericite alt. Planar white qz veining typically associated w/ 3F. No mineralization. LC is gradational.										
1505					1504.1	1530.1	6W	G	POR BL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Mod to str pervasive ser alt. Planar white qz vein typically associated w/ wedge.	No significant mineralization. LC is gradational.										
1510																					
1515																					
1520																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525					1504.1	1530.1	6W	G	POR BL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Mod to str pervasive ser alt. Planar white qz vein typically associated w/ wedge.	No significant mineralization. LC is gradational.										
1530					1530.1	1535.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, fg feldspathic lapilli moderately attenuated along foliation, non-magnetic. Strong pervasive sericite alteration, locally banded. Local HZ causing str feldspar + ser alt.	Planar qz-cb veining typically associated w/ wedge. No mineralization. LC is sharp.										
1535																					
1540					1535.8	1549.1	6W	G	POR BL	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) well foliated, fg-cg anhedral porph grts moderately attenuated along foliation, non-magnetic. Strong pervasive sericite alteration. Planar qz-cb veining throughout. No mineralization.	LC is gradational.										
1545																					
1550	F013868	1550.3	1551.3	0.034	1549.1	1585.1	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated/banded, non-magnetic. Intense pervasive and banded sericite alteration. Common planar qz-cb veining typically associated w/ wedge.	Local 3% wispy/threaded po mineralization from 1552.3-1552.6m. Strong HZ from UC-1551.6m causing str to int pervasive cb flooding. LC is gradational.										
	F013869	1551.3	1552.3	0.026																	
	F013871	1552.3	1552.6	0.034																	
	F013872	1552.6	1553.6	0.01																	
	F013873	1553.6	1554.6	0.01																	
1555																					
1560																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565																					
1570																					
1575					1549.1	1585.1	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated/banded, non-magnetic. Intense pervasive and banded sericite alteration. Common planar qz-cb veining typically associated w/ wedge.	Local 3% wispy/threaded po mineralization from 1552.3-1552.6m. Strong HZ from UC-1551.6m causing str to int pervasive cb flooding. LC is gradational.										
1580																					
1585					1585.1	1586.7		G	FOL	Dark grey, fg, metasediment (6) mod foliated, non-magnetic. Moderate bt abundance through groundmass. White qz vein showing parasitic folding and dipping shallowly TCA. Local HZ causes mod distortion and mod ser alt. LC is sharp.											
					1586.7	1590.5	1	G	FOL	Light grey, fg, ultramafic (1) moderately foliated, mod magnetic. Str to int pervasive tlc + srp alteration. Local weak cb veins sub-parallel to foliation. No mineralization. LC is sharp.											
1590					1590.5	1592	3F	G	FOL	Grey, fg, felsic lapilli tuff (3F) mod foliated, non-magnetic. Fg feldspathic lapilli weakly attenuated along foliation, planar qz-cb veining typically associated w/ wedge. No mineralization. LC is sharp.		3F									
1595					1592	1600.8	1	G	FOL	Light grey, fg, ultramafic (1) well foliated, moderately magnetic. Strong pervasive tlc + srp alteration causing soapy texture and soft rock to scratch. Minor 3F unit from 1592.1-1592.3m; moderately distorted, unmineralized. No mineralization.	LC is sharp.										
1600					1600.8	1644.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli scattered throughout weakly-moderately attenuated along foliation. Bands of strong sericite alteration. Local microfractures x-cutting fabric.	Local qz-cb planar veins. Local trace to 0.5% diss po min. LC is gradational.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605																					
1610																					
	F013874	1611.4	1612.4	0.01																	
	F013875	1612.4	1613.4	0.014																	
	F013876	1613.4	1614.2	0.021																	
1615	F013877	1614.2	1615.2	0.023																	
	F013878	1615.2	1616.2	0.03																	
1620																					
					1600.8	1644.3	**3F**	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli scattered throughout weakly-moderately attenuated along foliation. Bands of strong sericite alteration. Local microfractures x-cutting fabric.	Local qz-cb planar veins. Local trace to 0.5% diss po min. LC is gradational.										
1625																					
1630																					
1635																					
1640																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1600.8	1644.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli scattered throughout weakly-moderately attenuated along foliation. Bands of strong sericite alteration. Local microfractures x-cutting fabric.	Local qz-cb planar veins. Local trace to 0.5% diss po min. LC is gradational.										
1645					1644.3	1652.8	6W	G	POR BL	Light to dark greyish-green/pink, fg groundmass, grt-bearing metasediment (6W) well foliated, fg-cg anhedral porph grts weakly to mod attenuated along foliation, non-magnetic. Weak green amp alteration increases grading downhole.	Mod HZ causes distortion and white qz flooding. ~0.5-0.75% disseminated vein and litho hosted po associated w strain zone. LC is sharp.										
	F013879	1648.8	1649.8	0.01																	
1646	F013881	1649.8	1650.8																		
	F013882	1650.8	1651.3	0.02																	
	F013883	1651.3	1651.9	0.015																	
	F013884	1651.9	1652.3	0.051																	
	F013885	1652.3	1652.8	0.075																	
	F013886	1652.8	1653.4	0.043			QTZ			Fg white qz vein, non-magnetic, moderately distorted. Patchy chl alteration, trace disseminated po min hosted in vein. LC is sharp.										
	F013887	1653.4	1654	0.026	1652.8	1653.4	VN	W	DIST	Light greenish-grey, fg, grt-bearing metasediment (6W) moderately distorted, fg-mg anhedral porph grts. non-magnetic. Unit is highly strained and shows parasitic folding, muscovite books.	~2.5% blebby and interstitial po mineralization associated with strain. LC is gradational.										
				0.175	1653.4	1654	6W	LG	DIST												
	F013888	1654	1655	0.501																	
1655	F013889	1655	1656	0.022																	
	F013891	1656	1657	0.026																	
	F013892	1657	1658	0.01	1654	1661.3	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) moderately internally foliated, fg-cg euhedral porph grts, non-magnetic. Thin planar insignificant veining. Local brittle faulting sub-parallel to foliation.	Trace int po min adjacent to UC bleeding into unit from overlying unit. LC is sharp.										
	F013893	1658	1659	0.029																	
	F013894	1659	1660																		
	F013895	1660	1660.7	0.02																	
1656	F013896	1660.7	1661.3	0.015																	
	F013897	1661.3	1661.7	0.034																	
	F013898	1661.7	1662.7	0.011																	
	F013899	1662.7	1663.2	0.037	1661.3	1662.7	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) moderately distorted, fg-mg porph grts, non-magnetic. Abundant boudinaged/lineated qz throughout unit caused by mod HZ. 2% dis and int po min associated w strain. LC is sharp.											
	F013901	1663.2	1663.8	0.021	1662.7	1663.8	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, fg-mg euhedral porph grts scattered throughout, non-magnetic. Local minor amp rich bands. No veining or mineralization observed. LC is gradational.											
	F013902	1663.8	1664.1	0.029																	
	F013903	1664.1	1664.4	0.013	1663.8	1665.4	4E	DG	POR BL	Dark green/pink, aph, groundmass, grt-amp schist (4E) mod foliated, fg-mg anhedral porph grt attenuated along foliation, non-magnetic. Local attenuated qz boudins/lineations. ~3% disseminated and interstitial po min throughout unit. LC is sharp.											
	F013904	1664.4	1665.4	0.015																	
1665	F013905	1665.4	1666.4	0.421																	
	F013906	1666.4	1667.4	0.083	1665.4	1667.4	1	G	MA	Light grey, fg, ultramafic (1) massive, moderately magnetic. Moderate to strong pervasive tlc + srp alteration causing soapy texture. Local insignificant cb veining. No mineralization. LC is sharp.											
	F013907	1667.4	1667.9	0.024																	
	F013908	1667.9	1668.2	0.019																	
	F013909	1668.2	1669	0.027																	
	F013911	1669	1670	0.121																	
	F013912	1670	1671	0.01																	
1670	F013913	1671	1671.5																		
	F013914	1671.5	1672.1	0.01																	
	F013915	1672.1	1672.6	0.014																	
	F013916	1672.6	1673.1	0.025																	
	F013917	1673.1	1674.1	0.135																	
	F013918	1674.1	1675.1	0.045																	
	F013919	1675.1	1676.1	0.12																	
	F013921	1676.1	1677	0.01																	
1675	F013922	1677	1677.5	1.592						Greenish-grey, fg, mafic dyke (2K) massive, non-magnetic. No veining or mineralization. LC is sharp.											
	F013923	1677.5	1677.8	7.071						Brown/pink, fg groundmass, grt-bt schist (4F) mg-cg an-subhedral porph grts, non-magnetic. Mod HZ develops adjacent to LC. ~2% int po min throughout. No min. LC is sharp.											
	F013924	1677.8	1678.6	1.341																	
	F013925	1678.6	1679.1	0.032																	
	F013926	1679.1	1679.4	1.855	1667.4	1677.5	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) fg-mg euhedral porph grts, non-magnetic. Moderate HZ causing white qz flooding. Local 0.5% po mineralization associated w minor 4E bands.	Moderate HZ @ 1676.2m causing mod qz flooding and 3% strain controlled po; threads parallel to HZ. LC is sharp.										
	F013927	1679.4	1679.7	0.029	1677.5	1677.8	2K	GG	MA	Greenish-grey, fg, mafic dyke (2K) massive to mod distorted, non-magnetic.											
	F013928	1679.7	1680.1	0.047	1677.8	1678.6	4F	B	POR BL	Moderate white qz flooding locally parasitically folded; 1-5/m. Minor 4F w/ trace int po min @ 1679.2m. LC is sharp.											
	F013929	1680.1	1680.9	0.024	1678.6	1679.7	2K	GG	DIST	Brown/pink, fg groundmass, grt-bt schist (4F) cg anhedral porph grts, non-magnetic. Unit becomes moderately internally foliated adjacent to LC. Wk irregular unmineralized qz veins. Minor unmineralized mafic dyke @ 1681m. No mineralization. LC is sharp.		4F									
1680	F013931	1680.9	1681.2	0.802																	
	F013932	1681.2	1681.5	0.026	1679.7	1681.5	4F	B	POR BL												
	F013933	1681.5	1682.5	2.309																	
				0.149	1681.5	1695.6	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk-mod pervasive bt alteration. Planar qz-cb veining typically associated w mafics. No visible mineralization. LC is sharp.		2									
				0.042																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F013933	1681.5	1682.5	0.042	1681.5	1695.6	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk-mod pervasive bt alteration. Planar qz-cb veining typically associated w mafics. No visible mineralization. LC is sharp.											
	F013934	1682.5	1683.5	0.022																	
1685																					
1690																					
	F013935	1693.6	1694.6	0.026																	
1695	F013936	1694.6	1695.6	0.021																	
	F013937	1695.6	1696	0.013																	
	F013938	1696	1696.3	0.02	1695.6	1706.8	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mg-cg an-subhedral porph grts, non-magnetic. Moderate st development polluting groundmass throughout. Local wk unmineralized qz vein set.	Minor 10cm unmineralized mafic units @ 1696.1, 1698.1 m. No visible mineralization. LC is sharp.	2									
	F013939	1696.3	1697	0.018																	
	F013941	1697	1698	0.035																	
	F013942	1698	1698.3	0.021								2									
	F013943	1698.3	1699	0.024																	
	F013944	1699	1700	0.019																	
1700	F013945	1700	1701	0.01																	
	F013946	1701	1702	0.01																	
	F013947	1702	1703	0.01																	
	F013948	1703	1704	0.012																	
	F013949	1704	1705	0.015																	
1705	F013951	1705	1706	0.01																	
	F013952	1706	1706.8	0.01																	
	F013953	1706.8	1707.8	0.047	1706.8	1736.3	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic/ Wk pervasive bt + amp alt. Local HZ causes str white qz flooding. Mod HZ causing strong sillimanite (?) adjacent to LC. No mineralization. LC is sharp.											
	F013954	1707.8	1708.8	0.091																	
1710																					
1715																					
1720																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1725					1706.8	1736.3	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic/ Wk pervasive bt + amp alt. Local HZ causes str white qz flooding. Mod HZ causing strong sillimanite (?) adjacent to LC. No mineralization. LC is sharp.											
1730																					
1735	F013955	1734.3	1735.3	0.179																	
	F013956	1735.3	1736.3	0.035																	
	F013957	1736.3	1737	0.146	1736.3	1739.3	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) moderately internally foliated, fg-mg sub-euhedral porph grts. Local HZ causes moderate silicification from 1737.1-1737.6 m. No mineralization.	Mod qz flooding develops @ 1739 causing qz flooding and 2% po adjacent to LC. LC is diffuse.										
	F013958	1737	1738	0.022																	
	F013959	1738	1739	0.05																	
	F013961	1739	1739.3	0.056																	
1740	F013962	1739.3	1740	0.022	1739.3	1753.9	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong to int sericitization. Abundant stringers and blebs of py mineralization. No significant veining. LC is sharp.											
	F013963	1740	1741	0.01																	
	F013964	1741	1742	0.011																	
1745																					
1750																					
					1753.9	1755.1	13	BK	MA	Black, mg, lamp dyke (13) mass1762.1-1762.5m.ive, mod to strongly magnetic. Mod cb flooding. No veining or mineralization. LC is sharp.											
1755																					
	F013965	1756.3	1757.3	0.024	1755.1	1760.4	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) mod foliated, non-magnetic. Int sericitization. Mod HZ develops @ 1758.3 and causes moderate po stringers and blebs to occur down to LC. LC is sharp.											
	F013966	1757.3	1758.3	0.049																	
	F013967	1758.3	1759.3	0.484																	
	F013968	1759.3	1759.8	0.125																	
1760	F013969	1759.8	1760.4	0.031																	
	F013971	1760.4	1761.1	0.022	1760.4	1769.1	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mg subhedral porph grts, non-magnetic. Local minor 4E bands. Wk qz veining. 2% stringers and threaded po from1762.1-1762.5 m. Minor 4E bands locally host trace po blebs. LC is sharp.											
	F013972	1761.1	1762.1	0.016																	

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Assay

Depth	Sample	From	To	AU ppm
	F013972	1761.1	1762.1	0.016
	F013973	1762.1	1762.5	0.026
	F013974	1762.5	1763	0.061
	F013975	1763	1764	0.033
1760	F013976	1764	1765	0.032
	F013977	1765	1766	0.032
	F013978	1766	1767	0.038
	F013979	1767	1767.6	0.023
	F013981	1767.6	1768.1	0.082
	F013982	1768.1	1769.1	0.035
	F013983	1769.1	1769.5	0.032
1770	F013984	1769.5	1769.8	0.029
	F013985	1769.8	1770.2	0.117
	F013986	1770.2	1770.5	0.032
	F013987	1770.5	1771.5	0.024
	F013988	1771.5	1771.9	0.049
	F013989	1771.8	1772.4	0.05
	F013991	1772.4	1773.2	0.057
	F013992	1773.2	1773.9	0.072
1780	F013993	1773.9	1774.8	0.173
	F013994	1774.8	1775.8	0.193
	F013995	1775.8	1776.4	0.019
	F013996	1776.4	1777	0.02
	F013997	1777	1777.7	0.015
	F013998	1777.7	1778	0.132
	F013999	1778	1778.9	0.021
	F024375	1778.9	1779.5	5.261
1780	F024376	1779.5	1780.3	10.25
	F024377	1780.3	1780.8	86.16
	F024378	1780.8	1781.6	0.244
	F024379	1781.6	1782.1	0.064
	F024381	1782.1	1783.1	3.539
	F024382	1783.1	1784.1	0.039
	F024383	1784.1	1785.1	0.015
1790				
1795	F024384	1795.6	1796.6	0.021
	F024385	1796.6	1797.6	0.01
	F024386	1797.6	1798.6	0.011
	F024387	1798.6	1799.2	0.01
1800	F024388	1799.2	1800.1	0.021
	F024389	1800.1	1800.7	0.018
	F024391	1800.7	1801.3	0.271
	F024392	1801.3	1802	0.036

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1760.4	1769.1	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mg subhedral porph grts, non-magnetic. Local minor 4E bands. Wk qz veining. 2% stringers and threaded po from1762.1-1762.5 m. Minor 4E bands locally host trace po blebs. LC is sharp.	
1769.1	1770.2	4E	LG	DIST	Light green/pink, aph groundmass, grt-amp schist (4E) mod distorted, cg anhedral porph grts, weakly magnetic. Minor unmineralized 4F @ 1769.6m. ~2% interstitial po min, no significant veining. LC is sharp.	
1770.2	1771.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Intercalated grt-bearing metaseds throughout. Wk patchy green amp alt adjacent to LC. ~4% contact controlled po min on LC. LC is sharp.	
1771.8	1773.9	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, fg-mg porph subhedral grts, non-magnetic. Minor local 4E bands w agglomerated grts. No veining. No visible mineralization. LC is sharp.	
1773.9	1774.8	4E	DG	POR BL	Dark green/pink, aph groundmass, grt-amp schist (4E) fg-mg anhedral porph grts, mod-strongly magnetic. Minor irregular 4F bands. Insignificant qz veining, ~1.5% int po min associated w agglomerated grts. LC is irregular and sharp.	
1774.8	1779.5	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally distorted/foliated, fg-mg sub-euhedral porph grts, non-magnetic. Local z-folding of groundmass. Minor 4E banding. Planar qz stringers develop at 1776.8m. Light grey/pink, fg grt-bearing mafic metavolcanic (2U) mod to strongly distorted, mg anhedral porph grts, non-magnetic. Strong qz-cb flooding; conveyor shear?. Contact controlled po/ chunks of mineralized underlying unit. LC is diffuse due to shearing.	Mod SZ develops @ 1778.5 causing moderate distortion, increased po min. LC is sharp.
1779.5	1780.3	2U	G	DIST	Light green/pink, aph groundmass, grt-amp ITF (4E) strongly dist, mg anhedral porph grts, non-magnetic. Unit is strongly sheared with qz-cb flooding throughout. ~16% shear controlled wispy po min. LC is sharp.	
1780.3	1780.8	4E	LG	DIST		
1780.8	1782.1	2U	G	DIST	Light grey/pink, fg groundmass, grt-bearing mafic metavolcanic (2U) mod distorted, mg anhedral porph grts, non-magnetic. Mod pervasive bt alt, mod qz-cb flooding. No visible mineralization. LC is sharp.	
1782.1	1783.1	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp ITF (4E) strongly distorted, non-magnetic. Strong qz-cb flooding with common boudinaged qz. ~5% shear controlled po mineralization throughout ITF. LC is diffuse due to shearing.	
1783.1	1788	2U	G	POR BL	Light grey/pink, fg groundmass, grt-bearing mafic metavolcanic (2U) mod foliated, fg-mg anhedral porph grts becoming coarser grading downhole, non-magnetic. Wk pervasive bt, local silicification.	
1788	1792.8	2	G	FOL	Light grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk pervasive bt + amp alt. Planar qz-cb veining typically associated w mafics. No mineralization. LC is gradational.	
1792.8	1798.6	2U	G	POR BL	Light grey/pink, fg groundmass, grt-bearing mafic metavolcanic (2U) mod foliated, fg-mg anhedral porph grts weakly attenuated along foliation, weakly magnetic. ~2.5% interstitial po min associated w agglomerated grts.	Planar qz-cb veining typically associated w mafics. No mineralization. LC is sharp.
1798.6	1799.2	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp ITF (4E) mod distorted to planar banding, fg-mg anhedral porph grts weakly attenuated along foliation, weakly magnetic. ~2.5% interstitial po min associated w agglomerated grts.	Unit loses primary textures adjacent to LC. LC is sharp.
1799.2	1800.1	6W	G	POR BL	Brownish-grey/pink, fg groundmass, grt-bearing metasediments (6W) massive, mg anhedral porph grts, non-magnetic. Insignificant qz-cb veining. No visible mineralization. LC is sharp.	
1800.1	1803	4F	B	FOL	Brown/pink, fg groundmass, grt-bt schist (4F) moderately foliated, fg-mg subhedral porph grts, non-magnetic. Wk thin 4E banding increasing in abundance grading towards LC. Wk qz boudins locally.	Trace to 2% int po mineralization associated w/ strain. LC is gradational.

MINOR UNIT

Unit	Comments
4E	
4F	
6W	

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-008

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024392	1801.3	1802	0.036	1800.1	1803	4F	B	FOL	Brown/pink, fg groundmass, grt-bt schist (4F) moderately foliated, fg-mg subhedral porph grts, non-magnetic. Wk thin 4E banding increasing in abundance grading towards LC. Wk qz boudins locally.	Trace to 2% int po mineralization associated w/ strain. LC is gradational.										
	F024393	1802	1803	0.038																	
	F024394	1803	1803.3	0.193																	
	F024395	1803.3	1804.2	1.403																	
1804	F024396	1804.2	1805.2	0.044																	
	F024397	1805.2	1806	0.035																	
	F024398	1806	1806.6	0.124																	
	F024399	1806.6	1807.3	4.177																	
	F024401	1807.3	1808.1	5.856	1803	1812.6	4EA	BE	DIST	Beige/green/blue, aph, grt-gru-amp + chert BIF (4EA) moderately distorted to planar alternating bands, mod magnetic. Mod HZ causes abundant grey qz flooding and patchy strain controlled po mineralization ranging from 0.5-10%.	Po abundance is generally elevated where grey qz flooding occurs. Gru abundance decreases grading downhole and grt-bt bands increase in abundance. LC is gradational.										
	F024402	1808.1	1808.7	1.69																	
	F024403	1808.7	1809	0.651																	
	F024404	1809	1809.8	5.413																	
1810	F024405	1809.8	1810.3	0.271																	
	F024406	1810.3	1811	0.194																	
	F024407	1811	1811.4	0.096																	
	F024408	1811.4	1812	6.237																	
	F024409	1812	1812.6	0.092																	
	F024411	1812.6	1812.9	0.03	1812.6	1814.3	4EA	BE	BA	Beige/green/blue, aph, grt-gru-amp + chert BIF (4EA) planar to mod distorted alternating bands and laminae, strongly magnetic. Unit is poorly developed, but gru abundance is present; decreasing grading downhole.	Similar as previous unit. HZ's occur causing grey qz flooding and an increase in strain controlled po ranging from trac to ~6%. LC is gradational.										
	F024412	1812.9	1813.7	1.956																	
	F024413	1813.7	1814	0.059																	
1815	F024414	1814	1814.3	3.238																	
	F024415	1814.3	1815	0.145																	
	F024416	1815	1816	0.188																	
	F024417	1816	1817	0.046																	
	F024418	1817	1817.7	0.01																	
	F024419	1817.7	1818.3	0.126																	
	F024421	1818.3	1819	6.607	1814.3	1824	4BF	DG	BA	Dark green/blue/brown, aph groundmass, chert-mag BIF w abundant bands of grt-bt schist (4BF) planar to moderately distorted alternating bands and laminae, strongly magnetic.	Wk gru alt of magnetite adjacent to UC decreases grading downhole. Mod HZ again causes grey qz flooding and strain controlled po min ranging from 1-6%. Abundant isoclinal z-folding. LC is sharp and irregular.										
1820	F024422	1819	1819.8	12.89																	
	F024423	1819.8	1820.6	3.665																	
	F024424	1820.6	1821.3	0.377																	
	F024425	1821.3	1822	0.064																	
	F024426	1822	1823	0.834																	
	F024427	1823	1824	0.137																	
	F024428	1824	1824.9	0.725	1824	1824.9	QTZ VN	G	DIST	Massive grey qz flooding, non-magnetic. Abundant irregular grt-bt xenoliths. ~2% dis/blebby po min throughout vein. Vein is introduced through HZ. LC is sharp and irregular.											
1825	F024429	1824.9	1825.4	1.602	1824.9	1825.8	4BF	DG	DIST	Dark green/blue/brown, aph, chert-mag BIF w abundant bands of grt-bt schist (4BF) mod to str alternating bands and laminae, strongly magnetic. Grt-bt bands become thinner and less abundant grading downhole.	~4% strain controlled po min adjacent to UC. LC is gradational.										
	F024431	1825.4	1825.8	0.1																	
	F024432	1825.8	1826.5	0.02																	
	F024433	1826.5	1827	0.018																	
	F024434	1827	1828	0.01																	
	F024435	1828	1829	0.013																	
	F024436	1829	1830	0.036																	
1830	F024437	1830	1831	0.134																	
	F024438	1831	1832	0.066																	
	F024439	1832	1832.4	0.049																	
	F024441	1832.4	1833	0.761																	
	F024442	1833	1834	0.307	1825.8	1847.3	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar to distorted alternating laminae, strongly magnetic. Mod HZ's cause grey qz flooding and veining commonly associated w variable po and rare asp mineralization. Local Z-folding present. LC is gradational.											
	F024443	1834	1835	0.02																	
1835	F024444	1835	1836	0.595																	
	F024445	1836	1836.8																		
	F024446	1836.8	1837.3	0.075																	
	F024447	1837.3	1837.9	0.043																	
	F024448	1837.9	1838.7	0.067																	
	F024449	1838.7	1839.4	0.042																	
	F024451	1839.4	1840	0.046																	
	F024452	1840	1840.6	0.048																	
1840	F024453	1840.6	1841.1	0.675																	
	F024454	1841.1	1842	0.181																	
	F024455	1842	1843	0.463																	
				1.119																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F024455	1842	1843	1.119	1825.8	1847.3	4B	DG	LA	Dark green/blue, aph, chert-mag BIF (4B) planar to distorted alternating laminae, strongly magnetic. Mod HZ's cause grey qz flooding and veining commonly associated w variable po and rare asp mineralization. Local Z-folding present. LC is gradational.											
	F024456	1843	1844	0.23																	
	F024457	1844	1845	0.104																	
1845	F024458	1845	1846	0.075																	
	F024459	1846	1846.7	0.042																	
	F024461	1846.7	1847.3	0.037																	
	F024462	1847.3	1847.7	0.034	1847.3	1848.4	4BF	DG	DIST	Dark green/brown, aph groundmass, chert-mag BIF w abundant bands of grt-bt (4BF) planar to mod distorted alternating bands, fg-mg subhedral grts associated w 4F bands, strongly magnetic.	Unit is caused by moderate HZ locally influencing qz veining and ~2% strain controlled litho hosted po. LC is gradational.										
	F024463	1847.7	1848.4	0.055																	
	F024464	1848.4	1849.3	0.418	1848.4	1853.6	4A	BE	DIST	Beige, aph, chert-gru BIF (4A) mod to strongly distorted, weakly magnetic. Unit contains HZ causing loss of primary texture and an increase in grunerite intensity grading downhole. Ribbon qz @ 1850.3m adjacent to ~3% strain controlled po.	5% strain controlled disseminated po also from 1851.1 to LC caused by HZ developing @ 1851.2 m. LC is sharp.										
	F024465	1849.3	1850.2	0.043																	
1850	F024466	1850.2	1850.5	0.052																	
	F024467	1850.5	1851.5	0.043																	
	F024468	1851.5	1852.2	0.194																	
	F024469	1852.2	1853	0.102																	
	F024471	1853	1853.6	0.068																	
	F024472	1853.6	1854.6	0.031	1853.6	1876.4	3A	G	FOL	Light grey, fg, andesite (3A) well foliated, non-magnetic. Wk to mod pervasive bt alteration, ~2% thin planar qz-cb veining typically associated w/ andesite. Mod HZ from 1868.1-1868.8m causing str wispy bt and hosting a minor 4A unit hosting	~3% blebby po. LC is sharp.										
1855	F024473	1854.6	1855.6	0.03																	
	F024474	1855.6	1856.6	0.255																	
1860																					
1865																					
	F024475	1866.4	1867.4	0.019																	
	F024476	1867.4	1868.4	0.013																	
	F024477	1868.4	1868.7	0.029								4A	25cm wide								
	F024478	1868.7	1869.7	0.024																	
1870	F024479	1869.7	1870.7	0.033																	
	F024481	1870.7	1871.4	0.026																	
	F024482	1871.4	1872.4	0.033																	
	F024483	1872.4	1873.4	0.01																	
	F024484	1873.4	1874.4	0.028																	
1875	F024485	1874.4	1875.4	0.038																	
	F024486	1875.4	1876.4	0.026																	
	F024487	1876.4	1876.9	0.056																	
	F024488	1876.9	1877.2	0.092	1876.4	1879.2	4A	BE	DIST	Beige, aph, chert-gru BIF (4A) strongly distorted, weakly magnetic. Mod to str HZ throughout unit causing silicification and loss or primary texture. Platy green amp crystals become more prominent grading downhole.	Minor 6N unit from 1877-1877.1m hosting ~15% po. ~3% diss strain controlled po from UC to 1877m. LC is sharp.	6N									
	F024489	1877.2	1878.2	0.042																	
	F024491	1878.2	1879.2	0.022																	
1880	F024492	1879.2	1880.2	0.025	1879.2	1887	2	G	FOL	Light grey, fg, mafic metavolcanic (2) well foliated, non-magnetic. Mod pervasive bt alteration. Mod HZ from 1881.9-1883.4 causing mod to str qz-cb flooding; ~10%. No mineralization. EOH.											
	F024493	1880.2	1881.2	0.018																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1885					1879.2	1887	2	G	FOL	Light grey, fg, mafic metavolcanic (2) well foliated, non-magnetic. Mod pervasive bt alteration. Mod HZ from 1881.9-1883.4 causing mod to str qz-cb flooding; ~10%. No mineralization. EOH.											
1890																					
1895																					
1900																					
1905																					
1910																					
1915																					
1920																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	985.1	Wedge hole no log			Wedge											
25																					
30																					
35																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	985.1	Wedge hole no log			Wedge											
65																					
70																					
75																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	985.1	Wedge hole no log			Wedge											
105																					
110																					
115																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	985.1	Wedge hole no log			Wedge											
145																					
150																					
155																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	985.1	Wedge hole no log			Wedge											
185																					
190																					
195																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	985.1	Wedge hole no log			Wedge											
225																					
230																					
235																					
240																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	985.1	Wedge hole no log			Wedge											
265																					
270																					
275																					
280																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	985.1	Wedge hole no log			Wedge											
305																					
310																					
315																					
320																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	985.1	Wedge hole no log			Wedge											
345																					
350																					
355																					
360																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	985.1	Wedge hole no log			Wedge											
385																					
390																					
395																					
400																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	985.1	Wedge hole no log			Wedge											
425																					
430																					
435																					
440																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	985.1	Wedge hole no log			Wedge											
465																					
470																					
475																					
480																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	985.1	Wedge hole no log			Wedge											
505																					
510																					
515																					
520																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	985.1	Wedge hole no log			Wedge											
545																					
550																					
555																					
560																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	985.1	Wedge hole no log			Wedge											
585																					
590																					
595																					
600																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	985.1	Wedge hole no log			Wedge											
625																					
630																					
635																					
640																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	985.1	Wedge hole no log			Wedge											
665																					
670																					
675																					
680																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	985.1	Wedge hole no log			Wedge											
705																					
710																					
715																					
720																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	985.1	Wedge hole no log			Wedge											
745																					
750																					
755																					
760																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	985.1	Wedge hole no log			Wedge											
785																					
790																					
795																					
800																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	985.1	Wedge hole no log			Wedge											
825																					
830																					
835																					
840																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	985.1	Wedge hole no log			Wedge											
865																					
870																					
875																					
880																					

19-NSD-009

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	985.1	Wedge hole no log			Wedge											
905																					
910																					
915																					
920																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	985.1	Wedge hole no log			Wedge											
945																					
950																					
955																					
960																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975					0	985.1	Wedge hole no log			Wedge											
980																					
985																					
	F025001	985.1	986	0.005	985.1	996.1	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w minor sporadic white sub-rounded lapilli. Well fol. Locally magnetic (localized to green amp alt). Mod patches of green amp alt. Sporadic anhedral grt. Patches of tr-1% Po assoc w veining & litho.	Gradational LC. 6-7% qz-cb veining & cb stringers.										
	F025002	986	987	0.005																	
	F025003	987	988	0.005																	Mod patches of green amp alt.
	F025004	988	989	0.005																	
	F025005	989	990	0.005																	
990	F025006	990	991	0.005																	
	F025007	991	992	0.005																	
	F025008	992	992.5	0.005																	
	F025009	992.5	993.4	0.005																	
	F025011	993.4	994	0.005																	
	F025012	994	995	0.005																	
995	F025013	995	995.5	0.005																	
	F025014	995.5	996.1	0.005																	
	F025015	996.1	997	0.005	996.1	1004.8	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w scattered cg an-subhedral grt (~5%). Well laminated w mod bt. Mod SZ from 1002-1004.3m w abundant qz-cb veining/stringers and increased bt content. Nonmagnetic. 1-2% qz-cb veinlets w up to 10-15% in SZ.	Tr Py in groundmass, and up to 2% Po in SZ. Gradational LC.										
	F025016	997	998	0.005																	
	F025017	998	998.6	0.005																	
	F025018	998.6	999.5	0.005																	
	F025019	999.5	1000	0.005																	
1000	F025021	1000	1000.9	0.006																	
	F025022	1000.9	1001.4	0.005																	

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Assay

Sample	From	To	AU ppm
F025022	1000.9	1001.4	0.005
F025023	1001.4	1002	0.012
F025024	1002	1003	0.005
F025025	1003	1003.6	0.005
F025026	1003.6	1004.2	0.006
F025027	1004.2	1004.8	0.005
F025028	1004.8	1005.1	0.005
F025029	1005.1	1005.4	0.011
F025031	1005.4	1005.8	0.005
F025032	1005.8	1006.4	0.005
F025033	1006.4	1007	0.005
F025034	1007	1007.4	0.005
F025035	1007.4	1008	0.013
F025036	1008	1009	0.005
F025037	1009	1010	0.005
F025038	1010	1011	0.005
F025039	1011	1011.5	0.005
F025041	1011.5	1012.3	0.005
F025042	1012.3	1013.3	0.005
F025043	1013.3	1014.3	0.005

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
996.1	1004.8	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w scattered cg an-subhedral grt (~5%). Well laminated w mod bt. Mod SZ from 1002-1004.3m w abundant qz-cb veining/stringers and increased bt content. Nonmagnetic. 1-2% qz-cb veinlets w up to 10-15% in SZ.	Tr Py in groundmass, and up to 2% Po in SZ. Gradational LC.
1004.8	1005.8	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. 3-5% qz-cb stringers/veinlets. Po banded in qz-cb veining at 1005.3m. Tr Po in groundmass. Nonmagnetic. Abundant bt wisps. Gradational LC.	
1005.8	1021		G	LA	Med-dark grey metased (6) w possible interbedded felsic tuff (3F). Fg. Well lam. Strongly sheared from 1007.7-1012.3m and 1018.8-1020.5m. SZ have prv cb alt, and abundant qz-cb stringers/veining and abundant bt. Nonmagnetic. Local patches of green amp.	10-15% qz-cb veining mostly local to SZ's. Locally folded. Becomes less deformed (just parasitic fld & minor flts) at 1022m. Tr sporadic Po assoc w veining. Sporadic chl bands. Distorted w qz-cb 'pebbles' at 1035.5-1035.8m & 1036.8-1037.3m.
1021	1021.9				90cm missing due to wedge.	
1021.9	1040		G	LA	Med-dark grey metased (6) Fg. Well laminated. Nonmagnetic. Local minor knife faulting. Mod parasitic folding. Abundant bt wisps and local bands. Very trace scattered Po. 3-4% qz-cb veining. Sporadic musc. Gradational LC.	Distorted w qz-cb 'pebbles' at 1035.5-1035.8m & 1036.8-1037.3m (very weak conglomerate or possible fold nose?). Less distorted than above 6.
1040	1041.3	6A	G	FOL	Med-dark grey conglomerate (6A). Fine grained matrix abundant in bt w ~40% grey clasts. Nonmagnetic. Highly strained. No visible mineralization. 2-3% qz-cb veining. Locally folded.	

MINOR UNIT

Unit	Comments

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1040	1041.3		G	FOL	Med-dark grey conglomerate (6A). Fine grained matrix abundant in bt w ~40% grey clasts. Nonmagnetic. Highly strained. No visible mineralization. 2-3% qz-cb veining. Locally folded.											
					1041.3	1042.3	SIN G			1m missing due to wedge.											
1045																					
1050					1042.3	1057.9	6A	G	FOL	Med-dark grey conglomerate (6A). Well fol. Fg matrix w abundant grey-white subrounded to locally subangular clasts (~40%). Nonmagnetic. Abundant bt wisps and bands. High strain zone throughout unit. Locally weakly folded. Minor meth flt splay at 1049m.	Rare Py specks in groundmass. 5-7% qz-cb veining. Local minor fracturing. Possible patches of 3F near UC (localized white lapilli between 1042.3-1043m). Gradational LC.										
1055																					
	F025044	1058.7	1059.6	0.007																	
1060	F025045	1059.6	1060.6	0.013																	
	F025046	1060.6	1061	0.005	1057.9	1063.6	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w sporadic anhedral and cg grt. Well lam. Abundant bt w bt bands becoming more predominant near LC. Locally very weakly magnetic. Tr local Po in groundmass & tr Py in veining. 2-3% irregular qz-cb veining.	Gradational LC.										
	F025047	1061	1062	0.007																	
	F025048	1062	1062.4	0.008																	
	F025049	1062.4	1063	0.009																	
	F025051	1063	1063.6	0.007																	
	F025052	1063.6	1064.5	0.005	1063.6	1065.3		G	FOL	Dark grey biotized metased (6). Fine grained. Well foliated to weakly laminated. Strong bt. Nonmagnetic. Trace Po in groundmass and in cb veinlets/stringers. 2-3% qz-cb veins. Gradational LC. Minor green amp/chl alt around qz-cb veinlets.											
1065	F025053	1064.5	1065.3	0.008																	
	F025054	1065.3	1065.9	0.005	1065.3	1067.4	6A	G	FOL	Med-dark grey conglomerate (6A). Fine grained w abundant grey subrounded clasts. Well foliated. Clasts are attenuated. Larger grey bands towards LC are possibly large cobbles/boulders. Strong bt in matrix. Local trace Po in groundmass. 1% qz-cb veinlets.	Nonmagnetic. Gradational LC.										
	F025055	1065.9	1066.9	0.005																	
	F025056	1066.9	1067.4	0.005																	
	F025057	1067.4	1068	0.006	1067.4	1071	2	GG	FOL	Med-dark grey-green mafic volcanic (2). Fine grained. Well foliated. Scattered cb stringers. Abundant bt wisps. Very weakly magnetic. 2-4% qz-cb veining. Trace Po in groundmass. Some veins are weakly folded. Gradational LC.											
	F025058	1068	1069	0.005																	
	F025059	1069	1070	0.005																	
1070	F025061	1070	1071	0.005																	
	F025062	1071	1072	0.005	1071	1074.5		G	FOL	Dark grey metased (6). Fine grained. Strong bt. Predominantly foliated with local patches of laminations. Patches of weak prv cb and cb stringers (whole unit poss HZ). Nonmagnetic. 2-3% qz-cb veining with mod scattered cb stringers. Tr Po in groundmass.	Weak-mod green amp/chl assoc w qz-cb and cb stringers.										
	F025063	1072	1073	0.006																	
	F025064	1073	1073.3	0.006																	
	F025065	1073.3	1074	0.006																	
	F025066	1074	1074.5	0.005																	
1075					1074.5	1075.8				1.3m missing. Possibly put a wedge here? End is spun as if wedge was put in.											
	F025067	1075.8	1076.7	0.006	1075.8	1077.6		G	LA	Similar to metased (6) above. Dark grey w strong biotite. 10% qz-cb veining w thick qz-cb vein (20cm) towards LC. Mod green amp/chl assoc w veining. Well foliated to locally laminated. No visible mineralization. Sharp and shallow TCA LC. White qz-cb vein. Aphanitic. Nonmagnetic. Minor host rock near sharp/irregular LC. No visible mineralization. Minor chl wisps within vein. Locally fractured and minor discing. Massive in texture.										
	F025068	1076.7	1077.6	0.005																	
	F025069	1077.6	1078.4	0.005	1077.6	1078.4	QUIZ VN	W	MA												
	F025071	1078.4	1079	0.011	1078.4	1082.7		G	FOL	Dark grey metased (6). Fine grained. Well fol to locally laminated. Strong bt. Scattered cb stringers. Locally very weakly mag. Patches of strong bt alternating w bands of grey to grey-green host rock. Lcl chl alt assoc w veining. 3-4% qz-cb veining.	Tr Po in groundmass. Locally weakly folded. Sporadic subrounded clasts present. Gradational LC.										
	F025072	1079	1080	0.007																	
1080	F025073	1080	1081	0.005																	
	F025074	1081	1082	0.005																	

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Assay

Depth	Sample	From	To	AU ppm
	F025074	1081	1082	0.005
	F025075	1082	1082.7	0.005
	F025076	1082.7	1083.7	0.005
	F025077	1083.7	1084.7	0.005
1085				
1090				
	F025078	1091.8	1092.8	0.005
	F025079	1092.8	1093.8	0.005
	F025081	1093.8	1094.2	0.009
	F025082	1094.2	1095	0.016
1095	F025083	1095	1096	0.005
	F025084	1096	1097	0.005
	F025085	1097	1098	0.005
	F025086	1098	1098.8	0.005
	F025087	1098.8	1099.4	0.005
	F025088	1099.4	1099.9	0.005
	F025089	1099.9	1100.3	0.009
1100	F025091	1100.3	1101	0.005
	F025092	1101	1102	0.005
	F025093	1102	1102.3	0.005
	F025094	1102.3	1102.6	0.005
	F025095	1102.6	1103	0.005
	F025096	1103	1104	0.005
	F025097	1104	1104.9	0.005
1105	F025098	1104.9	1105.5	0.005
	F025099	1105.5	1105.9	0.045
	F025101	1105.9	1106.7	0.006
	F025102	1106.7	1107.7	0.005
	F025103	1107.7	1108.2	0.005
	F025104	1108.2	1109	0.005
	F025105	1109	1109.8	0.005
	F025106	1109.8	1110.2	0.007
1110	F025107	1110.2	1110.7	0.005
	F025108	1110.7	1111.4	0.005
	F025109	1111.4	1111.9	0.005
	F025111	1111.9	1112.5	0.005
	F025112	1112.5	1113	0.005
	F025113	1113	1114	0.005
	F025114	1114	1115	0.005
1115	F025115	1115	1115.6	0.005
	F025116	1115.6	1116.2	0.005
	F025117	1116.2	1116.8	0.005
	F025118	1116.8	1117.2	0.005
	F025119	1117.2	1117.5	0.005
	F025121	1117.5	1118.5	0.007
	F025122	1118.5	1119.5	0.007
1120				

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1078.4	1082.7		G	FOL	Dark grey metased (6). Fine grained. Well fol to locally laminated. Strong bt. Scattered cb stringers. Locally very weakly mag. Patches of strong bt alternating w bands of grey to grey-green host rock. Lcl chl alt assoc w veining. 3-4% qz-cb veining.	Tr Po in groundmass. Locally weakly folded. Sporadic subrounded clasts present. Gradational LC.
1082.7	1087.5		G	FOL	Dark grey possible metased (6). Foliated to locally possibly lam. Thick (~10cm) 'bands' of grey host rock (poss 3F, minor white lapilli visible), alternating w bt-rich metased. Locally weakly magnetic. 5-6% qz-cb veining Rare Py specks in cb stringers.	Mod chl/green amp around veining. Sharp LC.
1087.5	1088	SM3 VN	W	MA	White qz-cb vein, massive in texture. Mod green amp/chl bands/wisps throughout vein. No visible mineralization. Sharp UC and LC. Large vein may be attributed to a SZ. Nonmagnetic. Aphanitic.	
1088	1094.2	3F	G	FOL	Dark grey felsic lapilli tuff (3F) or possible metased (6). Fine grained. Strongly foliated. Strongly biotized. Minor white lapilli scattered throughout. Locally very weakly magnetic. 2-3% qz-cb veining. Tr lcl Po specks in groundmass and veining.	Minor brx at UC w qz-cb vein (20cm wide) w mg-cg whiteand beige subrounded to subangular fragments. Mod-strong SZ from 1090.8-1094.3m w abundant cb stringers/prv. Sheared LC.
1094.2	1095	4E	GG	BA	Dark grey-green grt-amp BIF (4E) w abundant grt-bt bands (around 50%). Moderately magnetic. Fine grained w qg to very cg subhedral grt. Fg-mg grt localized to bt bands. Banded to locally foliated. Sheared UC and LC. 1-2% qz-cb veinlets. Fabric lcl wavy.	Trace Po assoc w grt and amp groundmass.
1095	1099.4	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli (f-mg). Nonmagnetic. Strongly foliated. Sporadic minor mg-cg grt present. Mod musc alt in some veinlets. 1-3% qz-cb veinlets. Trace diss Py at 1098.8m.	Mod local chl wisps and bt wisps. Sharp LC.
1099.4	1101		G	FOL	Dark grey metased (6). Fine grained w sporadic minor grt. Nonmagnetic. Moderately sheared w an increased intensity from 1100-1100.1m (increased cb). Well foliated. Abundant prv bt. 3-4% qz-cb veinlets/veining. Wk bt and qz-cb nodules.	Locally alternating thin green and grey/black bands. Tr Po assoc w qz-cb. Sharp LC.
1101	1105.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Weakly fol to locally massive. Very weakly magnetic. 4-5% qz-cb veining and 5-7% discontinuous qz-cb veinlets and 'nodules', some of which have bt alt. Trace lcl Po in groundmass. Minor fracturing. Sharp LC.	
1105.5	1105.9	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w abundant attenuated white lapilli. Strongly foliated (part of SZ from 1105.5-1106.7m). Nonmagnetic. 1% qz-cb veining. Weakly silicified. Up to 5% str-sma Po disseminated throughout groundmass and assoc w veining.	Sharp LC.
1105.9	1106.7		G	FOL		Gradational LC.
1106.7	1111.9	2	GG	FOL	Med-dark grey metased (6). Fine grained. Locally laminated & well foliated. Possible white lapilli near patches of cb stringers. Locally very weakly magnetic. Locally folded. Abundant prv bt. 1-3% qz-cb veining. SZ until 1106.9m. Tr Po assoc w cb alt. Dark grey-green mafic volc (2). Fine grained. Weakly foliated to massive. Very weakly to locally weakly magnetic. Abundant bt. 6-7% qz-cb veining (irregular and locally discontinuous). Mod qz-cb nodules/amygdules w bt & minor chl in them.	Minor meth flt splay at 1109m. SZ w abundant & large cb & qz-cb veins from 1110.8-1114m. Abundant chl margins assoc w cb vein from 1110.8-1111.9m. Tr Po assoc w chl and cb alt. Up to 2% Py in groundmass. Irregular LC.
1111.9	1113	CARB	W	MA	White cb vein part of larger shear zone. Fine to medium grained. Massive in texture. Rare Py speck along margin w bt/chl. ~7-10% mafic host rock along irregular margin/contact of vein. Nonmagnetic. Sharp LC.	
1113	1114	Meth QTZ VN	W	MA	White qz-cb vein. Massive in texture. Aphanitic. Nonmagnetic. Mod dark green wisps (poss chl). Minor lcl ser. Weak lcl calcite alt of dark green wisps. Minor discing at 1113.5m. No visible mineralization. Sharp LC.	
1114	1122.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Locally weakly magnetic. Mod bt wisps and scattered irregular bt bands x-cutting fabric. 7% qz-cb veining and stringers (stringers are more irregular and discontinuous). Tr lcl Po and Py.	HZ from 1116-1119.2m (mod fol and qz-cb stringers, but no sharp contacts). Strong SZ from 1122.1-1126.5m w abundant to prv cb stringers. Scattered wk meth flt splays w light green staining from 1120-1122.1m. Sheared LC.

MINOR UNIT

Unit	Comments

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
		MOD					mod chl patches assoc w large cb vein.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1114	1122.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Locally weakly magnetic. Mod bt wisps and scattered irregular bt bands x-cutting fabric. 7% qz-cb veining and stringers (stringers are more irregular and discontinuous). Tr lcl Po and Py.	HZ from 1116-1119.2m (mod fol and qz-cb stringers, but no sharp contacts). Strong SZ from 1122.1-1126.5m w abundant to prv cb stringers. Scattered wk meth flt splays w light green staining from 1120-1122.1m. Sheared LC. No visible mineralization.									
					1122.5	1124.9		G	FOL	Dark grey, strongly sheared metased (6). Fg. Nonmagnetic. Strongly foliated w patches of preserved laminae. 2-3% qz-cb veining & abundant cb stringers. Bt blebs seen in qz-cb nodules/boudins. UC & LC are sheared and difficult to determine exact location.											
1125					1124.9	1127.6	2	GG	FOL	Dark grey-green mafic volc (2). Weakly foliated to strongly sheared (until 1126.5m). Abundant bt giving core grey-green & brown patchy appearance (weak). 1-2% qz-cb veining w abundant cb stringers localized to shear zone. Weakly magnetic. No visible min.	Gradational LC.										
1130					1127.6	1136.8		G	DIST	Dark grey metased (6). Multiple SZ/HZ's throughout causing a strongly fol to weakly distorted appearance. Local patches of preserved laminae present. Abundant bt. Mod local folding. Folding/HZ has fold noses that are thick & weakly rotated w thin limbs	at 1131.4-1131.6m. Locally very weakly magnetic. 2-3% qz-cb veining & abundant cb stringers localized to SZ's. No visible mineralization. Scattered qz-cb "nodules" w bt blebs within them. Sharp LC.										
1135	F025123	1134.8	1135.8	0.006																	
	F025124	1135.8	1136.8	0.007																	
	F025125	1136.8	1137.3	0.007	1136.8	1137.3	QZ	W	MA	White and aphanitic qz-cb vein w abundant mg cb crystals for first 20cm. Massive in texture. Nonmagnetic. Minor host rock fragments/wisps in vein. Large vein is associated w shear zone. Trace Po visible. Sharp LC.											
	F025126	1137.3	1138	0.008																	
	F025127	1138	1139	0.008																	
	F025128	1139	1140	0.009	1137.3	1141.2		G	DIST	Dark grey metased (6). Fine grained. Mod folding gives core a weakly distorted appearance. Patches of preserved laminae present. Locally very weakly magnetic. Minor brittle fracturing near UC. 2-3% qz-cb veining and minor qz-cb wisps/stringers.	Abundant bt. No visible min.										
1140					1141.2	1141.8	QZ	W	MA	White qz-cb vein. Massive in texture. Nonmagnetic. Aphanitic. Mod host rock metased (6) intercalated. No visible mineralization. Sharp UC and LC.									WK		weak ser assoc w veining.
1145					1141.8	1158.5		G	LA	Dark grey metased (6). Fine grained. Lam to well foliated. Becomes magnetic around 1151m. Weak-mod patches of folding give core a weakly distorted appearance. 5% qz-cb veins, predominantly cm scale. Scattered weak meth flt splays w minor green staining.	SZ at 1156.8-1157.1m w strong cb and sharp contacts. Rare Po specks seen in groundmass. Diffuse LC w 3F.				STR						strong cb assoc w SZ.
1150																					
1155																					
					1158.5	1159.4				90cm missing due to (possible) wedge. One end is spun/ground like when a wedge is placed.											
1160					1159.4	1163.7		G	LA	Dark grey metased (6). Similar to 6 above. Fine grained. Lam to well foliated. Magnetic. Weak-mod patches of folding give core a weakly distorted appearance. 1% qz-cb veins. Scattered weak meth flt splays w minor green staining. Diffuse LC w 3F.											

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Depth	Sample	From	To	AU ppm
1165				
	F025129	1166.7	1167.7	0.008
	F025131	1167.7	1168.7	0.018
	F025132	1168.7	1169	0.005
	F025133	1169	1170	0.005
1170	F025134	1170	1171	0.005
	F025135	1171	1172	0.005
	F025136	1172	1173	0.005
	F025137	1173	1173.6	0.005
	F025138	1173.6	1174.2	0.005
	F025139	1174.2	1174.7	0.005
1175	F025141	1174.7	1175.2	0.005
	F025142	1175.2	1176	0.005
	F025143	1176	1177	0.005
	F025144	1177	1178	0.005
	F025145	1178	1179	0.005
	F025146	1179	1179.6	0.005
1180	F025147	1179.6	1180.5	0.009
	F025148	1180.5	1181	0.005
	F025149	1181	1182	0.005
	F025151	1182	1183	0.005
1185				
1190				
1195				
1200				

From	To	Unit	Col	Text	Comments	Comments
1159.4	1163.7		G	LA	Dark grey metased (6). Similar to 6 above. Fine grained. Lam to well foliated. Magnetic. Weak-mod patches of folding give core a weakly distorted appearance. 1% qz-cb veins. Scattered weak meth flt splays w minor green staining. Diffuse LC w 3F.	
1163.7	1180.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained. Well foliated w locally attenuated lapilli. SZ's w up to 1% Po at 1168.8-1169.2m and 1174.2-1174.7m. Scattered wk meth flt splays w green staining. 7-10% white qz-cb veining.	Tr local Po in groundmass. Minor fg grt scattered. Abundant bt wisps. Very diffuse UC. Sharp LC. Magnetic.
1180.5	1181	QTZ VN	W	MA	White qz-cb vein. Massive in texture. Aphanitic to fine grained where cb is more abundant. Minor chl and bt wisps/blebs near UC. Sharp UC and LC. No visible mineralization. Most likely a SZ w the qz-cb as infill or replacement.	
1181	1191.4	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Similar to 3F above. Fine grained w abundant f-mg white lapilli, locally attenuated. Well fol & highly strained. Non-magnetic. Two smaller SZ's at 1187.6-1187.9m & 1188.7-1188.8m w abundant qz-cb veining/stringers.	Rare Py specks seen in groundmass. 7-10% qz-cb veining. Mod scattered bt patches/wisps. Minor bt blebs in qz-cb veinlets that are irregular or discontinuous. LC is diffuse.
1191.4	1208.8	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk to mod pervasive bt + amp alteration, becoming more pronounced form ~1200-1205m. 2-3% qz-cb planar veining throughout. Local trace disseminated po.	mag sus ~0.4-0.5SI. LC is diffuse and marked where lapilli appear.

Unit	Comments

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205					1191.4	1208.8	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk to mod pervasive bt + amp alteration, becoming more pronounced form ~1200-1205m. 2-3% qz-cb planar veining throughout. Local trace disseminated po.	mag sus ~0.4-0.5SI. LC is diffuse and marked where lapilli appear.										
1210					1208.8	1230.4	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli locally attenuated along foliation, wk to mod local banded/pervasive sericite alt. 3-5% planar unmineralized qz-cb veining throughout. No mineralization.	LC is sharp.										
1215																					
1220																					
1225																					
1230					1230.4	1232.5	3Q	G	POR	White/grey, fg, felsic dyke? (3O) mg euhedral feldpsar porpyhroclasts scattered throughout. Possibly quartz diorite?. Moderate muscovite through groundmass. Intense sericitization of entire dyke. Wk white qz flooding. No mineralization.	LC is sharp. Minor unmineralized 3F @ 1232.3 m.	3F									
1235					1232.5	1247.5	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to strong pervasive sericite alt, fg felspathic lapilli locally attenuated along foliation. Wk methane splays from 1238.7 to 1239.2 m. 1-3% planar unmineralized qz-cb veining.											
1240																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245					1232.5	1247.5	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to strong pervasive sericite alt, fg felspathic lapilli locally attenuated along foliation. Wk methane splays from 1238.7 to 1239.2 m. 1-3% planar unmineralized qz-cb veining.											
1250																					
1255					1247.5	1269.3	3F	G	DIST	Continuation of previous unit, but here, unit holds an intense high strain zone causing strong qz-cb flooding (~30%), lapilli are generally overprinted by veining and strain, but can be seen locally, no mineralization.											
1260																					
1265																					
1270																					
1275					1269.3	1307.2	3F	G	FOL	Continuation of previous unit, but her the high strain zone has terminated. Weak methane splays from 1270.2-1270.87 m showing wk hematite staining. 1-2% planar unmineralized qz-cb veining. No mineralization. Mod HZ from 1296.6-1301.7 showing strong cb	flooding.										
1280																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295					1269.3	1307.2	3F	G	FOL	Continuation of previous unit, but her the high strain zone has terminated. Weak methane splays from 1270.2-1270.87 m showing wk hematite staining. 1-2% planar unmineralized qz-cb veining. No mineralzation. Mod HZ from 1296.6-1301.7 showing strong cb	flooding.										
1300																					
1305																					
1310																					
1315					1307.2	1336.4	3F	G	DIST	Light grey, fg, felsic lapilli tuff (3F) strongly distorted, non-magnetic. Wk to mod pervasive ser alt, intense irregular cb flooding throughout caused by intense HZ. Lapilli seem to be overprinted by cb flooding. No mineralization.	LC is sharp and irregular.										
1320																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330					1307.2	1336.4	3F	G	DIST	Light grey, fg, felsic lapilli tuff (3F) strongly distorted, non-magnetic. Wk to mod pervasive ser alt, intense irregular cb flooding throughout caused by intense HZ. Lapilli seem to be overprinted by cb flooding. No mineralization.	LC is sharp and irregular.										
1335					1336.4	1336.9	QTZ VN	W	MA	White, fg, massive qz vein, non-magnetic. Veining caused by HZ, irregular mafic xenoliths. No mineralization. LC is sharp and irregular.											
1340					1336.9	1341.5	3F	G	DIST	Light grey, fg, felsic lapilli tuff (3F) strongly distorted, non-magnetic. Intense cb flooding caused by intense HZ. Moderate white qz-cb vein set terminates @ 1344.2m. No mineralization.											
					1341.5	1342.7	Wedge hole no log														
1345																					
1350					1342.7	1364.7	3F	G	DIST	Same unit as previous unit before wedge.											
1355																					
1360																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1342.7	1364.7	3F	G	DIST	Same unit as previous unit before wedge.											
1365																					
1370																					
					1364.7	1383.5	3F	G	FOL	Continuation of previous unit, but HZ has terminated, unit becomes well foliated, w fg feldspathic lapilli locally weakly attenuated along foliation. Common planar unmineralized qz-cb veining typically associated w felsic wedge.	No mineralization. LC is sharp.										
1375																					
1380																					
1385					1383.5	1389.6	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk to mod pervasive bt + amp alteration. Mod HZ from 1387.5-1387.7m causing mod to str cb flooding and wk qz veining. Local wk cb tension gashes from 1388.5-1389.2.	No mineralization. LC is sharp.										
1390																					
1395					1389.6	1416.1	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) wk-mod foliated, non-magnetic. Wk to mod ser alt, fg feldspathic lapilli locally weakly attenuated along foliation, 2-3% planar qz-cb veining throughout.	Int HZ from 1406.7-LC causing int cb flooding and z-folding. No mineralization. LC is gradational.										
1400																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405					1389.6	1416.1	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) wk-mod foliated, non-magnetic. Wk to mod ser alt, fg feldspathic lapilli locally weakly attenuated along foliation, 2-3% planar qz-cb veining throughout.	Int HZ from 1406.7-LC causing int cb flooding and z-folding. No mineralization. LC is gradational.										
1410																					
1415																					
					1416.1	1417.9	6W	DG	POR BL	Dark green/pink, fg groundmass, grt-bearing metasediment (6W) massive, cg anhedral porph grts increasing in concentration downhole, non-magnetic. Local trace int po min, wk qz veining. LC is gradational.											
1420					1417.9	1431	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated to mod dist, non-magnetic. Strong sericitization becomes accentuated where HZ occurs. Mod HZ cause str cb flooding. No mineralization. LC is gradational.											
1425																					
1430																					
1435					1431	1440.8		G	FOL	Light grey, fg, metasediment (6) massive to weakly foliated, non-magnetic. Strong bt presence in groundmass, local grt-development. Mod fg st polluting groundmass. Mod HZ causes int cb flooding. No mineralization. LC is gradational.											
1440					1440.8	1447.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Planar bands of str sericite alteration. Intercalated minor bands of metaseds throughout. Local planar white qz vein set @ 1445-1445.7m. No mineralization. LC is gradational.											

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445					1440.8	1447.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Planar bands of str sericite alteration. Intercalated minor bands of metaseds throughout. Local planar white qz vein set @ 1445-1445.7m. No mineralization. LC is gradational.											
1450					1447.8	1452.6		GG	FOL	Light greenish-grey, fg, metasediment (6W) massive groundmass to weakly foliated. Non-magnetic. Local patchy minor cg anhedral grt development observed. Wk cb/qz veinlets locally boudinaged. No mineralization. LC is gradational.											
1455					1452.6	1482.4	6W	LG	POR BL	Light green, fg groundmass, grt-bearing metasediment (6W) mod foliated, mg-cg anhedral porph grts attenuated along foliation axis, non-magnetic. Intercalated 3F bands throughout w mod sericite alteration. Mod brittle fault @ 1466.4 m.	No mineralization.										
1460																					
1465																					
1470																					
1475																					
1480																					

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1452.6	1482.4	6W	LG	POR BL	Light green, fg groundmass, grt-bearing metasediment (6W) mod foliated, mg-cg anhedral porph grts attenuated along foliation axis, non-magnetic. Intercalated 3F bands throughout w mod sericite alteration. Mod brittle fault @ 1466.4 m.	No mineralization.										
					1482.4	1483.9				missing due to wedge											
1485					1483.9	1488.8	6W	LG	POR BL	Same as unit before wedge, No mineralization. LC is gradational.											
1490					1488.8	1492.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) mod foliated, non-magnetic. Mod to str sericite alt overprinting fg feldspathic lapilli, intercalated minor 6W bands. No significant veining or visible mineralization. LC is gradational.											
1495					1492.7	1505		LG	FOL	Light green, fg, metasediment (6) mod foliated, non-magnetic. Local minor grt development in patches. Moderate green amp abundance in groundmass. Mod HZ from 1494-1495.71502.6-1504.8 m causing mod to str cb flooding.	Local trace threaded po min parallel to foliation.										
1500																					
1505					1505	1520.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant mg white lapilli. Well fol. Some lapilli are weakly attenuated. Very weakly locally magnetic. Sct weak meth flt splays throughout w minor green staining. 7-10% qz-cb veining w wk-mod ser alt.	Local minor trm assoc w some veining. No significant mineralization. Local brittle fracturing along meth flt splays. Sharp LC.										
1510																					
1515																					
1520										Dark grey-green ultramafic (1). Fine grained. Weakly foliated. Weakly magnetic. Mod talc and serp alt making core soft to scratch. 1-2% qz-cb veining at UC. No visible mineralization. Minor brittle fracturing. Sharp LC.											
					1520.7	1521.6	1	GG	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Well foliated. Mod fracturing throughout. 1-2% qz-cb veining. No significant mineralization. Sharp LC.											
					1521.6	1524.6	3F	G	FOL												

19-NSD-009

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1521.6	1524.6	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Well foliated. Mod fracturing throughout. 1-2% qz-cb veining. No significant mineralization. Sharp LC.												
1525					1524.6	1525	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Weakly magnetic. 1% qz-cb veinlets. No visible mineralization. Sharp UC and LC. Weakly blocky core at LC.												
1530					1525	1541	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. Some lapilli are weakly attenuated. Sct weak meth flt splays w green staining. Locally fractured following fabric & x-cutting it. Locally 3-5% qz-cb vns. No sig min.	Nonmagnetic. Gradational LC.											
1535																					
1540																					
					1541	1545.3	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w sct mg-cg grt (anhedral). Well foliated. 1-2% qz-cb veining. Tr lcl Po in groundmass. Nonmagnetic. Local minor green alt bands (amp?). Poss minor sporadic lapilli. Gradational LC.												
	F025152	1543.6	1544.6	0.009																	
1545	F025153	1544.6	1545.3	0.005																	
	F025154	1545.3	1546	0.01																	
	F025155	1546	1546.3	0.014																	
	F025156	1546.3	1547	0.007																	
	F025157	1547	1547.5	0.071	1545.3	1549	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abundant white lapilli. Well fol. Mod brittle fracturing at 1546-1546.1m. 7-10% qz-cb veins w ser & cb alt. Tr Po in groundmass & vn. Rare Py specks in groundmass. SZ at 1548-1548.8m w mod cb alt & qz-cb vns.	Sct weak meth flt splays.											
	F025158	1547.5	1548.3	0.021																	
1550																					
					1549	1558.5	6W	G	FOL	Med-dark grey-purple grt-bearing metased (6W). Fine grained w mod m-cg grt. Well foliated. Nonmagnetic. Sct wk meth flt splays. Local tr Po in groundmass. 2-3% qz-cb veining. Gradational LC. Local green patches, poss weak green amp alt (near LC).												
1555																					
	F025159	1557.4	1558																		
	F025161	1558	1558.5	0.013																	
	F025162	1558.5	1559.2	0.065																	
	F025163	1559.2	1559.5	0.012																	
	F025164	1559.5	1560.1	0.85	1558.5	1560.6	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w mod fg white lapilli. Well foliated. SZ from 1558.5-1559.4m w abund felds and musc altn and abund qz-cb veining (~15%). Up to 2% Po assoc w veining near LC of SZ. Patches of sil & amp alt. Tr Po in groundmass.	Gradational LC. Very weakly magnetic.			WK		WK						Mod felds and musc alteration w minor bt and chl alt. Assoc w large qz-cb veins.
1560	F025165	1560.1	1560.6	0.031																	
	F025166	1560.6	1561.6	0.008																	
	F025167	1561.6	1562.5	0.023	1560.6	1562.8	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w mod an-subhedral grt ranging from mg to very cg. Very weakly locally magnetic. Bt increases towards LC around 1561.8m. 3-4% qz-cb veining w green amp alt. Tr Po towards LC. Sharp LC.												
				0.013																	

19-NSD-009

Assay

Sample	From	To	AU ppm
F025167	1561.6	1562.5	0.013
F025168	1562.5	1562.8	0.083
F025169	1562.8	1563.1	0.197
F025171	1563.1	1563.6	0.025
F025172	1563.6	1564	0.011
F025173	1564	1564.6	0.65
F025174	1564.6	1565.1	0.159
F025175	1565.1	1565.7	0.127
F025176	1565.7	1566.3	0.012
F025177	1566.3	1566.7	0.011
F025178	1566.7	1567.3	0.01
F025179	1567.3	1567.6	0.014
F025181	1567.6	1568.1	0.005
F025182	1568.1	1569	0.005
F025183	1569	1570	0.008
F025184	1570	1570.9	0.025
F025185	1570.9	1571.2	0.012
F025186	1571.2	1571.5	0.017
F025187	1571.5	1571.8	0.005
F025188	1571.8	1572.7	0.066
F025189	1572.7	1573	0.022
F025191	1573	1573.4	
F025192	1578.9	1579.9	0.008
F025193	1579.9	1580.9	0.008
F025194	1580.9	1581.2	0.173
F025195	1581.2	1582.2	0.012
F025196	1582.2	1583.2	0.005
F025197	1583.2	1583.8	0.009
F025198	1583.8	1584.4	0.02
F025199	1584.4	1585	0.006
F025201	1585	1586	0.005
F025202	1586	1586.6	0.005
F025203	1586.6	1587	0.005
F025204	1587	1587.6	0.005
F025205	1587.6	1587.9	0.006
F025206	1587.9	1588.9	0.006
F025207	1588.9	1589.9	0.005
F025208	1594.5	1595.5	0.071
F025209	1595.5	1596.2	0.005
F025211	1596.2	1596.6	0.014
F025212	1596.6	1597	0.033
F025213	1597	1598	0.005
F025214	1598	1599	0.009
F025215	1599	1600	0.016
F025216	1600	1600.3	0.063
F025217	1600.3	1601.3	0.007
F025218	1601.3	1602.1	0.005

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1560.6	1562.8	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w mod an-subhedral grt ranging from mg to very cg. Very weakly locally magnetic. Bt increases towards LC around 1561.8m. 3-4% qz-cb veining w green amp alt. Tr Po towards LC. Sharp LC.	
1562.8	1563.1	4F	BK	POR BL	Dark grey to black grt-bt schist (4F). Fine grained w weak-mod very cg subhedral grt. Well foliated. Weakly magnetic. 5-7% qz-cb veining. Up to 2% Po assoc w veining & groundmass. Lcl minor grt-amp band. Gradational LC.	
1563.1	1564.6	6W	G	FOL	Dark grey to black grt-bearing metased (6W). Abundant bt wisps. Fine grained w sct to abundant cg an-subhedral grt. Very weakly magnetic. Well foliated. Lcl tr Po in groundmass & veining. 3-4% qz-cb veining. Sharp LC.	
1564.6	1566.7	4F	BK	POR BL	Dark grey to black grt-bt schist (4F). Fine grained w mod very cg & sub-euhedral grt. Very weakly magnetic. Well foliated. Minor weak grt-amp bands. 5-7% qz-cb veining. Tr-1% Po in veining and groundmass. LC is very gradational & put at beginning of SZ.	
1566.7	1568.1		G	FOL	Dark grey metased (6). Fine grained. Well foliated. Strong SZ from UC to 1567.8m w abundant cb alt. Tr Po assoc w cb alt in SZ. 1-2% qz-cb veining. Gradational LC. Very weakly magnetic. Minor sporadic meth flt splays.	
1568.1	1571.2	3F	G	FOL	Dark grey felsic lapilli tuff (3F). Fine grained w mod fg white lapilli. Nonmagnetic. Well foliated. Sct weak meth flt splays. Wk sct musc. Minor SZ from 1569.7-1570.1m w two minor patches of mod cb alt. Weak patchy bt present. Tr Po at gradational LC.	
1571.2	1572.7		G	FOL	Dark grey-purple metased (6). Well foliated w abundant bt wisps. Fine grained. Locally very weakly magnetic. SZ from 1571.5-1572.6m. 15-20% qz-cb veining assoc w SZ. Abund cb alt assoc w SZ. Tr Po in groundmass and assoc w alt. Gradational LC.	
1572.7	1574.5	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w scattered mg-cg anhedral grt. Well foliated. 1-2% qz-cb veining. Tr lcl Po in groundmass and veining. Weakly magnetic. Mod bt. Patches of mod st grains present. Gradational LC.	
1574.5	1595.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abundant white lapilli. Well fol. Nonmagnetic. Sct weak meth flt splays w green staining. Minor ser alt assoc w veining. 7-10% qz-cb veining. Lcl mod-str felds and musc alt assoc w veining from 1580.9-1581.3m.	SZ from 1583.2-1584.4m w strong cb alt and qz-cb veining. Tr Po assoc w veining and SZ. HZ w weak wispy bands from 1585.2-1586m. Gradational LC.
1595.5	1614.6	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w abundant sct grt. Well foliated to a local banded appearance due to ser alt. Nonmagnetic. Minor ultramafic (1) from 1596.6-1596.8m. Mod sct meth flt splay. Sporadic grt-amp bands sct.	Mod-strong meth flts and splays between 1610-1612m w strong pink and brown-beige alt bleeding into host. 3-5% qz-cb veining. Tr lcl Po assoc w alt and vn. Gradational LC.

MINOR UNIT

Unit	Comments
1	Minor ultramafic (1). Fine grained. Abund talc & serp making core soft to scratch. Sharp contacts. No sig veining and no visible Po.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	STR						strong cb assoc w SZ.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F025218	1601.3	1602.1	0.005																	
1605					1595.5	1614.6	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w abundant sct grt. Well foliated to a local banded appearance due to ser alt. Nonmagnetic. Minor ultramafic (1) from 1596.6-1596.8m. Mod sct meth flt splay. Sporadic grt-amp bands sct.	Mod-strong meth flts and splays between 1610-1612m w strong pink and brown-beige alt bleeding into host. 3-5% qz-cb veining. Tr lcl Po assoc w alt and vn. Gradational LC.									
1610																					
1615					1614.6	1619.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Lapilli content gradually decreases towards LC. Sporadic green amp bands. Multiple methane flt splays sct w green alt bleeding into host. Mod bt and musc. 2-3% qz-cb veining.	Well foliated. No sig min. Locally fractured at 1619.3m. Gradational LC.									
1620																					
1625					1619.5	1631.4	6W	G	FOL	Dark grey to black grt-bearing metased (6W). Fg w abundant grt. Well fol. 2-3% qz-cb veining. Tr patchy Po assoc w veining and alt. Sporadic green amp & cal alt bands. Scattered meth flt splays. SZ from 1630.5-1631m w abundant green amp and cal alt.	Nonmagnetic. Gradational LC.									
	F025219	1626.1	1627.1																		
	F025221	1627.1	1628.1	0.017																	
	F025222	1628.1	1628.9																		
	F025223	1628.6	1629.2	0.006																	
	F025224	1629.2	1630	0.011																	
	F025225	1630	1630.5	0.011																	
	F025226	1630.5	1631	0.011																	
	F025227	1631	1631.4	0.005																	
1630	F025228	1631.4	1631.8	0.019																	
	F025229	1631.8	1632.2	0.005																	
	F025231	1632.2	1633	0.005																	
	F025232	1633	1634	0.013															MOD		Mod ser assoc w faulting (meth and brittle?)
	F025233	1634	1634.6	0.005																	
	F025234	1634.6	1634.9	0.009																	
	F025235	1634.9	1635.4	0.007																	
	F025236	1635.4	1636	0.006																	
1635	F025237	1636	1636.5	0.041																	
	F025238	1636.5	1637.2	0.008																	
	F025239	1637.2	1638.1	0.026																	
	F025241	1638.1	1638.9	0.009	1631.4	1641.9	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w sporadic to locally mod white lapilli. Well foliated. Nonmagnetic. Patchy Po from tr-10% and up to 1% Py predominantly assoc w veining. 3-4% qz-cb veining. Mod musc and bt. Local brittle fracturing.	Multiple meth flt splays and locally abundant prv ser alt.							MOD		Mod ser assoc w meth faulting
	F025242	1638.5	1639.2	0.005																	
	F025243	1639.2	1639.8	0.005																	
	F025244	1639.8	1640.5	0.005																	
	F025245	1640.1	1640.5	0.005																	
1640	F025246	1640.5	1641	0.006																	
	F025247	1641	1641.6	0.01																	
	F025248	1641.6	1642.4	0.011																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F025248	1641.6	1642.4	0.011	1631.4	1641.9	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w sporadic to locally mod white lapilli. Well foliated. Nonmagnetic. Patchy Po from tr-10% and up to 1% Py predominantly assoc w veining. 3-4% qz-cb veining. Mod musc and bt. Local brittle fracturing.	Multiple meth flt splays and locally abundant pry ser alt.										
	F025249	1642.4	1643.4	0.009																	
	F025251	1643.4	1644.4	0.007																	
1645					1641.9	1648.7	3F	G	FOL	Troy Gallik starting logging. Med to dark grey, fg, mod fol, wk lapilli, patchy 1-3% dis py/py stringers, local cm scale brittle faults, 1% white planar quartz stringers, mod to strong pervasive ser alt throughout, broken brittle lower contact										
1650					1648.7	1653.4		G	FOL	Dark grey, fg, mod laminated, hosts thin layers of dark brown silt interbedded in host?, wk carb alt, sharp lower contact										
					1653.4	1655.2	3F	G	FOL	Med to dark grey, fg, mod fol, wk lapilli, trace thin white planar quartz stringers, mod pervasive ser alt throughout, broken brittle lower contact										
1655					1655.2	1656.7	2	GG	FOL	dark grey-green, fg, mod fol, wk thin carb stringers throughout, could possibly be a dark, fg, laminated sediment, wk pervasive bio alt, sharp lower contact										
1660					1656.7	1667	3F	G	FOL	dark grey, fg, mod to strong fol, wk-mod lapilli, hosts 1m interval of methane faulting, hosts up to 3% dis/s-ma po localized in flooded quartz veinlets proximal to lower contact, sharp lower contact										
	F025252	1663	1664	0.005																	
	F025253	1664	1665	0.005																	
1665	F025254	1665	1666	0.007															MOD		Localized with meth fault, hosts mg muscovite
	F025255	1666	1667	0.005																	
	F025256	1667	1668	0.021	1667	1673	4F	B	POR BL	dark brown-grey bt matrix, mg-cg grt throughout, change in fol lower angle, wk fol, 0.5-1% dis po, <5% patchy dark green amph bands, ~1% planar qtz veinlets, sharp lower contact											
	F025257	1668	1669	0.079																	
	F025258	1669	1670	0.014																	
1670	F025259	1670	1671	0.011																	
	F025261	1671	1672	0.033																	
	F025262	1672	1673	0.015																	
	F025263	1673	1674	0.005	1673	1675.3	3F	G	FOL	dark grey, fg, mod fol, mod lapilli, hosts up to 30% quartz veining with elevated up to 3% dis/s-ma/stringer po, mod to strong sil and ser alt, sharp lower contact											
	F025264	1674	1674.7	0.005																	
1675	F025265	1674.7	1675.3	0.017																	
	F025266	1675.3	1675.7	6.22	1675.3	1675.7	4F	B	POR BL	dark brown-grey bt matrix, mg grt porph, hosts 10% flooded-planar qz veining, hosts 2% dis/s-ma po, sharp lower contact											
	F025267	1675.7	1676.5	0.012																	
	F025268	1676.5	1677	0.005																	
	F025269	1677	1678	0.006																	
	F025271	1678	1679	0.005	1675.7	1686.3	3F	G	FOL	dark grey, fg, mod fol, mod lapilli, wk-mod patchy ser alt, wk patchy mg grt porph alt, possible interbedded 6W, gradational lower contact											
1680																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1685					1675.7	1686.3	3F	G	FOL	dark grey, fg, mod fol, mod lapilli, wk-mod patchy ser alt, wk patchy mg grt porph alt, possible interbedded 6W, gradational lower contact											
1690					1686.3	1695.6	6W	G	FOL	dark grey, fg, mod lamination, hosts <5% mg-cg garnet porph, <5% thin dark green amph banding, hosts white barren late crosscutting fabric quartz veins, gradational lower contact											
1695					1695.6	1699.2	3F	G	FOL	dark grey, fg, mod fol, mod lapilli, mod patchy ser alt, hosts local quartz veinlets, local <3% mg grt porph, gradational lower contact											
1700					1699.2	1701.5	6W	G	FOL	dark grey, mod laminated/foliated, likely a 6W interbedded with 3F, <5% mg grt, fg, gradational lower contact											
1705					1701.5	1725.1	3F	G	FOL	dark grey, fg, mod fol, mod lapilli, wk to mod patchy ser alt, hosts local ser alt quartz veinlets, hosts localized methane faults, trace dis/s-ma po proximal to lower contact, sharp lower contact											
1710																					
1715																					
1720																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F025272	1723.1	1724.1	0.005	1701.5	1725.1	3F	G	FOL	dark grey, fg, mod fol, mod lapilli, wk to mod patchy ser alt, hosts local ser alt quartz veinlets, hosts localized methane faults, trace dis/s-ma po proximal to lower contact, sharp lower contact											
	F025273	1724.1	1725.1	0.071																	
1725	F025274	1725.1	1726.1	1.56	1725.1	1728.2	4F	B	POR BL	dark brown-grey bt matrix, mg grt porph, hosts up to 30% flooded-planar qtz veining in high strain zone, hosts up to 3% dis/s-ma po, sharp lower contact											
	F025275	1726.1	1727	3.29																	
	F025276	1727	1727.5	4.09																	
	F025277	1727.5	1728.2	0.026																	
	F025278	1728.2	1729	0.017	1728.2	1730.4	2	GG	FOL	med green-grey, fg, mod fol, wk to mod pervasive bio alt, non magnetic, hosts 1% thin planar qtz stringers, sharp lower contact											
	F025279	1729	1730	0.012																	
1730	F025281	1730	1730.4	0.016																	
	F025282	1730.4	1731.4	0.011	1730.4	1733.7	4F	B	POR BL	dark brown bt matrix, wk mg grt porph, poor-mod developed, trace dis po, trace thin qtz flooding, localized cg-large grt porph proximal to upper contact, sharp lower contact											
	F025283	1731.4	1732	0.009																	
	F025284	1732	1733	0.007																	
	F025285	1733	1733.7	0.007																	
	F025286	1733.7	1734.7	0.016	1733.7	1736.7	2	GG	FOL	dark grey-green, fg, mod fol, 1% thin qtz stringers, mod pervasive bio alt, sharp lower contact											
1735	F025287	1734.7	1735.7	0.045																	
	F025288	1735.7	1736.7	0.022																	
	F025289	1736.7	1737.7	0.011	1736.7	1737.7	4F	B	POR BL	dark brown, fg, bt matrix, strong mg-cg grt porph, trace dis po, sharp lower contact											
	F025291	1737.7	1738.5	4.01	1737.7	1738.5	4E	DG	POR BL	Dark green, aph groundmass, strong distort, non-magnetic, up to 15% qz flooding, up to 5% dis/s-ma/str po, sharp lower contact											
	F025292	1738.5	1739.5	0.021	1738.5	1741.1	2	GG	FOL	Dark green, fg, mod fol, 1-2% thin qz stringers, mod pervasive bio alt, sharp lower contact											
1740	F025293	1739.5	1740.5	0.017																	
	F025294	1740.5	1741.1	0.095																	
	F025295	1741.1	1741.6	0.69	1741.1	1742.8	4E	DG	POR BL	Dark green, aph groundmass, strong distort, non-magnetic, up to 20% qz flooding, up to 5% dis/s-ma/str po, host mg-cg grt porph, up to 7% grunerite alt, gradational lower contact											
	F025296	1741.6	1742.5	1.91																	
	F025297	1742.5	1742.8	0.05																	
	F025298	1742.8	1743.4	0.008	1742.8	1743.4	2	GG	FOL	Dark green, fg, wk fol, strong pervasive bt alt, trace qz stringers, sharp lower contact											
	F025299	1743.4	1744	0.009	1743.4	1744.5	6W	B	FOL	Dark brown, fg, bt matrix, poorly developed, <5% grt porph, possible 4F, hosts local qz-gs vein, up to 0.5% dis po, sharp lower angel lower contact											
	F025301	1744	1744.5	0.005																	
1745	F025302	1744.5	1745.5	0.007	1744.5	1752.9	2	G	FOL	Dark green, fg, mod wk fol, 2-3% 1-3cm qz veining, no visible sulphides, mod pervasive to patchy bio alt, wk 1-3cm carb veinlets, local discing, sharp lower contact											
	F025303	1745.5	1746.5	0.016																	
	F025304	1746.5	1747.5	0.014																	
	F025305	1747.5	1748.5	0.013																	
	F025306	1748.5	1749.5	0.016																	
1750	F025307	1749.5	1750.5	0.021																	
	F025308	1750.5	1751.5	0.015																	
	F025309	1751.5	1752.5	0.037																	
	F025311	1752.5	1752.9	0.02					POR BL	Dark green, aph groundmass, mod distort, non-magnetic, up to 20% qz-gs flooding, hosts up to 3% dis/s-ma/str po, mg-cg grt porph, local 1-3cm bands of 4f, wk high strain throughout, gradational lower contact											
	F025312	1752.9	1753.6	1	1752.9	1754.2	4E	DG	POR BL	Dark brown, fg, bt matrix/groundmass, mod pervasive mg grt proph, dis po, gradational lower contact											
	F025313	1753.6	1754.2	0.081																	
	F025314	1754.2	1754.6	0.015	1754.2	1754.6	4F	B	POR BL	Med-dark brown bt ground mas, <5% mg grt porph, likely a poorly developed 4F, 2% 2cm carb stringers, no visible sulphides, gradational lower contact											
1755	F025315	1754.6	1755.3	0.005	1754.6	1755.3	6W	G	FOL												
	F025316	1755.3	1756.3	0.007	1755.3	1761.1	4F	B	POR BL	Dark brown, fg, bt matrix/groundmass, mod pervasive mg grt proph, 2% thin qz-carb veining, trace dis po, gradational lower contact											
	F025317	1756.3	1757.3	0.011																	
	F025318	1757.3	1758.3	0.005																	
	F025319	1758.3	1759.3	0.006																	
	F025321	1759.3	1760.3	0.005																	
1760	F025322	1760.3	1761.1	0.009																	
	F025323	1761.1	1761.9	0.201																	
	F025324	1761.9	1762.9	0.184	1761.1	1768.7	4EA	GG	POR BL	grey/green/blue, grt-gru-amph-chert BIF, mod distortion with alternating bands, wk to mod mag, moderate hz localizing up to 5% dis/s-ma/str po, hosts up to 30% qz-gs flooding, hosts pervasive gru throughout decreasing proximal to lower contact,	gradational lower contact										

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Depth	Sample	From	To	AU ppm
	F025324	1761.9	1762.9	0.184
	F025325	1762.9	1763.4	0.927
	F025326	1763.4	1764	4.27
	F025327	1764	1765	1.63
1760	F025328	1765	1765.6	0.021
	F025329	1765.6	1766	0.008
	F025331	1766	1766.8	0.018
	F025332	1766.8	1767.4	0.005
	F025333	1767.4	1768	0.125
	F025334	1768	1768.7	0.013
	F025335	1768.7	1769.3	0.049
1770	F025336	1769.3	1770.3	0.099
	F025337	1770.3	1771.3	0.103
	F025338	1771.3	1771.8	0.02
	F025339	1771.8	1772.4	0.334
	F025341	1772.4	1773	0.087
	F025342	1773	1773.4	0.005
	F025343	1773.4	1774	0.005
	F025344	1774	1775	0.093
1775	F025345	1775	1776	0.032
	F025346	1776	1777	0.143
	F025347	1777	1777.4	25.2
	F025348	1777.4	1778.2	0.115
	F025349	1778.2	1779	0.019
	F025351	1779	1780	0.173
1780	F025352	1780	1781	0.049
	F025353	1781	1782	0.024
	F025354	1782	1783	0.117
	F025355	1783	1784	0.205
	F025356	1784	1785	0.121
1785	F025357	1785	1786	0.462
	F025358	1786	1787	0.193
	F025359	1787	1788	0.041
	F025361	1788	1788.6	0.009
	F025362	1788.6	1789.2	0.015
	F025363	1789.2	1790.1	0.034
1790	F025364	1790.1	1791	0.025
	F025365	1791	1791.9	0.017
	F025366	1791.9	1792.9	0.013
	F025367	1792.9	1793.7	0.014
	F025368	1793.7	1794.7	0.013
1795	F025369	1794.7	1795.7	0.005
	F025371	1795.7	1796.7	0.005
	F025372	1796.7	1797.7	0.005
	F025373	1797.7	1798.2	0.005
	F025374	1798.2	1799.2	0.005
1800	F025375	1799.2	1800.2	0.005

From	To	Unit	Col	Text	Comments	Comments
1761.1	1768.7	4EA	GG	POR BL	grey/green/blue, grt-gru-amph-chert BIF, mod distortion with alternating bands, wk to mod mag, moderate hz localizing up to 5% dis/s-ma/str po, hosts up to 30% qz-gs flooding, hosts pervasive gru throughout decreasing proximal to lower contact,	gradational lower contact
1768.7	1773	4BF	G	LA	Dark grey, wk to mod distortion to planar alternating bands including 10-15% grt-bt 4F bands, strongly magnetic hosts up to 30% qz-gs with increase up to 5% dis/s-ma/string po, sharp/dyle lower contact	
1773	1773.4	13	G	MA	Dark grey, massive, mg dolomite/carbonate rich, sharp contacts	
1773.4	1789.2	4B	G	LA	Dark grey, wk to mod distortion with alternating banding, strong mag, hosts up to 20% flooded qz-gs with local increases of up to 5% dis/s-ma/str po and 1% belby aspy, gradational lower contact	
1789.2	1790.1	4BF	G	LA	Dark grey, dominantly chert-mag with ~5% dark brown bands of grt-bt planar to wk distorted banding, strongly magnetic, hosts up to 1% dis/str po, gradational lower contact	
1790.1	1791.9	4A	G	LA	med grey, aph, dominantly chert with 10-15% strong distorted gru bands throughout, no visible sulphides, well developed, wk mag, gradational lower contact	
1791.9	1794.7	4A	G	LA	similar as previous unit, med grey, aph, dominantly chert with ~5 distorted grunerite bands, localized up to 2% dis/str po, gradational lower contact	
1794.7	1798.2	4A	G	LA	med grey, dominantly chert, ~1% gru alteration proximal to upper contact, could just be a chert unit mixing with andesite???, strong sil alt, sharp lower contact	
1798.2	1818	3A	G	FOL	light-med grey, fg, mod to well fol, non magnetic, wk to mod pervasive bt alt, trace dis po, 1-2% qz-cb veining, wk patchy sil alt?, sharp lower contact	

Unit	Comments

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1805																					
1810					1798.2	1818	3A	G	FOL	light-med grey, fg, mod to well fol, non magnetic, wk to mod pervasive bt alt, trace dis po, 1-2% qz-cb veining, wk patchy sil alt?, sharp lower contact											
1815																					
	F025376	1816	1817	0.005																	
	F025377	1817	1818	0.005																	
	F025378	1818	1818.9	0.019	1818	1821.1	4E	G	POR BL	Dark green-grey, strongly distorted, patchy mod to strong mag, mod high strain throughout, mod silica alt, hosts up to 10% dis/str po, hosts platy cg possible diopside minerals?, host 10cm interval or possible unmineralized sed (6)? sharp lower contact											
	F025379	1818.9	1819.2	0.005																	
1820	F025381	1819.2	1820.1	0.005																	
	F025382	1820.1	1821.1	0.017																	
	F025383	1821.1	1822	0.005	1821.1	1824	3A	G	FOL	light-med grey, fg, mod to well fol, non magnetic, wk to mod pervasive bt alt, trace dis po, 1-2% qz-cb veining, EOH											
	F025384	1822	1823	0.005																	
	F025385	1823	1824	0.005																	
1825																					
1830																					
1835																					
1840																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1241.6	Wedge hole no log														
25																					
30																					
35																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1241.6	Wedge hole no log														
65																					
70																					
75																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1241.6	Wedge hole no log														
105																					
110																					
115																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1241.6	Wedge hole no log														
145																					
150																					
155																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1241.6	Wedge hole no log														
185																					
190																					
195																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1241.6	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1241.6	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1241.6	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1241.6	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1241.6	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1241.6	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1241.6	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1241.6	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1241.6	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1241.6	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1241.6	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1241.6	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1241.6	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1241.6	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1241.6	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1241.6	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1241.6	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1241.6	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1241.6	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1241.6	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1241.6	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1241.6	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1241.6	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1241.6	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1241.6	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-010

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1241.6	Wedge hole no log														
1225																					
1230																					
1235																					
1240																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					0	1241.6	Wedge hole no log														
1245					1241.6	1252.1	3F	G	FOL	Light grey, fg , felsic lapilli tuff (3F) well foliated, non-magnetic. Fg rounded feldspathic lapilli attenuated along foliation, mod sericite alt. ~2% planar qz veining. No mineralization. LC is gradational.											
1250																					
1255					1252.1	1258.6	6W	G	POR BL	Brownish-grey, fg, grt-bearing metasediment (6W) well foliated, cg rounded and weakly attenuated porph grts throughout decreasing in abundance downhole where mod HZ develops, HZ causes strong pollution of staurolite. No mineralization.											
1260					1258.6	1260.9	6W	G	DIST	Grey/black, fg groundmass, grt-bearing metasediment (6W) strongly distorted, non-magnetic. Continuation of previous unit but here, unit is moderately brecciated causing cg angular healed breccia clasts and development of soft black fg mineral	(serpentine?) to infill breccia clasts locally. Intense sericite alteration of qz flooding, leaving unaltered orbicular qz 'clasts'? No mineralization.										
					1260.9	1263.7	6W	G	POR BL	Brownish-grey, fg groundmass, grt-bearing metasediment (6W) continuation of previous unit, but unit is no longer brecciated, instead strong abundance of staurolite polluting groundmass. Intercalated 3F starting at 1262.2 m.	Local trace dis py mineralization. LC is gradational.										
1265					1263.7	1271.6	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3) well foliated, non-magnetic. Mod patchy HZ's causing wk-mod cb flooding and distortion. Abundant fg feldspathic lapilli observed throughout. No mineralization. LC is gradational.											
1270																					
					1271.6	1272.9	6W	G	POR BL	Grey/pink, fg groundmass, grt-bearing metased (6W) well foliated, fg-mg anhedral porph grts, non-magnetic. Mod wispy bt alteration. ~1% planar qz veining. No mineralization. LC is gradational.											
1275					1272.9	1277.2	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Abundant vfg feldspathic lapilli attenuated along foliation, ~2-3% thin planar qz veinlets throughout. Lapilli become less abundant grading downhole.	Mod HZ w int cb flooding riding UC. No mineralization. LC is faulted.										
1280					1277.2	1284.6		G	FOL	Brownish-grey, fg, metased (6) well foliated, non-magnetic. Mod-str pervasive bt alteration preferential oriented along foliation axis. 1-3% thin planar qz veining, intercalated 3F showing lapilli become abundant grading downhole. No mineralization.	LC is faulted due to wedge.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1277.2	1284.6		G	FOL	Brownish-grey, fg, metased (6) well foliated, non-magnetic. Mod-str pervasive bt alteration preferential oriented along foliation axis. 1-3% thin planar qz veining, intercalated 3F showing lapilli become abundant grading downhole. No mineralization.	LC is faulted due to wedge.										
1285					1284.6	1285.7				missing due to wedge											
					1285.7	1300.4	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated to mod dist, non-magnetic. Mod to str pervasive/banded ser alteration. Intercalated grt metaseds throughout. Fg feldspathic lapilli observed throughout. No mineralization. LC is sharp.											
1290																					
1295																					
1300					1300.4	1301.2	2K	LG	MA	Light green, fg, mafic dyke (2K) massive to weakly foliated, non-magnetic. Absent of bt, mod amp alt. Wk qz-cb veinlets sub-parallel to foliation. No mineralization. LC is sharp.											
1305																					
1310					1301.2	1329.5	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fgr lapilli scattered throughout unit locally weakly attenuated along foliation axis. Local white qz veining, mod HZ from 1320.6-1321.2m causing intense cb flooding.	Local moderate bands of ser alt.										
1315																					
1320																					

19-NSD-010

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325					1301.2	1329.5	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fgr lapilli scattered throughout unit locally weakly attenuated along foliation axis. Local white qz veining, mod HZ from 1320.6-1321.2m causing intense cb flooding.	Local moderate bands of ser alt.										
1330					1329.5	1330.5	MIS			missing due to wedge											
					1330.5	1334.4	3F	G	FOL	Same as previous 3F before wedging. Strong HZ causing intense sericitization and distortion, Lapilli become coarser grained grading towards LC. No mineralization. LC is sharp.											
1335					1334.4	1337.6	1	G	FOL	Light grey, fg, ultramafic (1) massive to weakly foliated, mod magnetic. Mod to str pervasive tlc alt causing soapy texture. No veining or mineralization. LC is sharp.											
					1337.6	1338.2	2K	LG	FOL	Light green, fg, mafic dyke (2K) weakly to mod foliated, non-magnetic. Absent of bt alt, mod green amp alt. Moderate planar qz-cb veining throughout. No mineralization. LC is sharp.											
1340					1338.2	1350.4	1	G	FOL	Light grey, fg, ultramafic (1) weakly to mod foliated, mod magnetic. Str pervasive tlc alt causing soapy texture. Local HZ causes mod dist and parasitic folding.	Mg chromite? Crystals observed from 1340.5-1345m; blue, mod magnetic, ~5 hardness. No mineralization. LC is diffuse and marked where tlc alt ends.										
1345																					
1350					1350.4	1354.3	7A	LG	MA	Light green, mgr, gabbro (7A) massive, locally weakly magnetic. Abundant mg green amp crystals, local weak qz veining. No mineralization. LC is sharp.											
1355					1354.3	1355.6	1	LG	DIST	Light green, fg, ultramafic (1) mod to strongly distorted from SZ starting at 1355m, locally weakly magnetic. Wk to mod patchy tlc alteration, platy green amp present. Local white qz flooding caused by shearing. No mineralization.	LC is diffuse due to shearing and marked at qz vein.										
					1355.6	1356.2	7A	LG	MA	Light green, mg, gabbro (7A) massive, non-magnetic. Moderately silicified, SZ in previous unit carries down to LC. No mineralization. LC is sharp.											
1360					1356.2	1391.4	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to str pervasive ser alt, fg feldspathic lapilli locally attenuated along foliation. Common planar white qz veining; ~2-3%.	Mod HZ causing str sericitization riding UC, mod brittle flt @1355m. No significant mineralization. LC is sharp.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375					1356.2	1391.4	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to str pervasive ser alt, fg feldspathic lapilli locally attenuated along foliation. Common planar white qz veining; ~2-3%.	Mod HZ causing str sericitization riding UC, mod brittle flt @1355m. No significant mineralization. LC is sharp.										
1380																					
1385																					
1390	F022116	1389.4	1390.4	0.006																	
	F022117	1390.4	1391.4	0.006																	
	F022118	1391.4	1392	0.012	1391.4	1397.6	4F	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) mod internally foliated, fg-mg porph grts, non-magnetic. Weak minor 4E banding locally hosting trace disseminated po min. Local mod HZ causes mod qz flooding and chevron z-folding.	Trace local diss po min. LC is gradational.										
	F022119	1392	1393	0.028																	
	F022121	1393	1394	0.014																	
	F022122	1394	1395	0.026																	
1395	F022123	1395	1396	0.033																	
	F022124	1396	1397	0.008																	
	F022125	1397	1397.6	0.013																	
	F022126	1397.6	1398.4	0.008	1397.6	1398.4	4EF	DG	BA	Dark green/pink/brown, aph groundmass, grt-amp schist w abundant bands of grt-bt (4EF) mod distorted alternating bands. Wk irregular and unmineralized qz veining. ~0.75% diss and int po min associated w 4E bands. LC is gradational.											
	F022127	1398.4	1399.3	0.011	1398.4	1403.2	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated to wk compositional banding, fg sub-euhedral porph grts, non-magnetic. Wk minor 4E banding (single band folding back and forth across core; parasitically folded).	Trace to 0.5% int/diss po min associated w minor 4E bands. LC is sharp.										
	F022128	1399.3	1399.9	0.016																	
1400	F022129	1399.9	1400.9	0.008																	
	F022131	1400.9	1401.9	0.011																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022131	1400.9	1401.9	0.011	1398.4	1403.2	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated to wk compositional banding, fg sub-euhedral porph grts, non-magnetic. Wk minor 4E banding (single band folding back and forth across core; parasitically folded).	Trace to 0.5% int/diss po min associated w minor 4E bands. LC is sharp.										
	F022132	1401.9	1402.6	0.009																	
	F022133	1402.6	1403.2	0.02																	
	F022134	1403.2	1403.5	0.013	1403.2	1430.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Abundant fg feldspathic lapilli scattered throughout unit locally weakly attenuated along foliation. Mod HZ from 1421.9-1422.9m causing int cb flooding.	Mod HZ from 1427.4m – LC causing patchy green amp alt (hydrothermal fluid pathways) hosting ~2% blebby po min. ~4% contact controlled po riding UC. LC is gradational.										
	F022135	1403.5	1404.5	0.005																	
1410	F022136	1404.5	1405.5	0.006																	
1415																					
1420																					
1425	F022137	1424.6	1425.6	0.006																	
	F022138	1425.6	1426.6	0.006																	
	F022139	1426.6	1427.6	0.005																	
	F022141	1427.6	1428.6	0.008																	
	F022142	1428.6	1429.6	0.01																	
1430	F022143	1429.6	1430.2	0.006																	
	F022144	1430.2	1430.8	0.005																	
	F022145	1430.8	1431.8	0.005	1430.8	1433.7	6W	G	DIST	Grey, fg groundmass, grt-bearing metasediment (6W) well foliated to mod dist, minor compositional banding, fg-mg anhedral porph, non-magnetic. Intercalated ser altered bands of 3F. Local trace int po min. LC is gradational.											
	F022146	1431.8	1432.8	0.006																	
	F022147	1432.8	1433.7	0.007																	
	F022148	1433.7	1434.2	0.01	1433.7	1435	4F	B	DIST	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated to distorted, mg-cg anhedral porph grts, non-magnetic. Mod HZ causes parasitic folding of unit. No veining or mineralization. LC is sharp.											
	F022149	1434.2	1435	0.006																	
1435	F022151	1435	1435.3	0.006	1435	1435.7	4E	LG	DIST	Light green/pink, aph groundmass, grt-amp schist (4E) mod distorted, mg anhedral porph grts, locally mod magnetic. Moderate parasitic and z-folding throughout. Wk white qz veining. ~3% int po mineralization associated w agglomerated grts.	LC is gradational.										
	F022152	1435.3	1435.7	0.009																	
	F022153	1435.7	1436.4	0.038	1435.7	1444.2	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, fg-mg porph grts, non-magnetic. Weak thin planar qz veins throughout unit;1-5/m, locally boudinaged. No mineralization. LC is sharp.											
	F022154	1436.4	1437	0.261																	
	F022155	1437	1438	0.013																	
	F022156	1438	1439	0.008																	
	F022157	1439	1440	0.008																	
1440	F022158	1440	1441	0.009																	
	F022159	1441	1442	0.009																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022159	1441	1442	0.009	1435.7	1444.2	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, fg-mg porph grts, non-magnetic. Weak thin planar qz veins throughout unit;1-5/m, locally boudinaged. No mineralization. LC is sharp.											
	F022161	1442	1443	0.008																	
	F022162	1443	1443.6	0.01																	
	F022163	1443.6	1444.2	0.013																	
	F022164	1444.2	1445	0.02	1444.2	1449.3	1	G	MA	Light grey, fg, ultramafic (1) wak to mod foliated to massive, mod magnetic. Mod pervasive tlc + srp alteration causing soapy texture. No veining or mineralization. LC is sharp.											
1445	F022165	1445	1446	0.035																	
	F022166	1446	1447	0.053																	
	F022167	1447	1448	0.034																	
	F022168	1448	1448.7	0.054						Light green, aph groundmass, grt-bearing metasediment (6W) mod distorted fg-mg anhedral porph grts moderately attenuated along foliation, non-magnetic. Moderate qz veining throughout. ~2.5% interstitial po min associated w agglomerated grts. LC is sharp.											
	F022169	1448.7	1449.3	0.03																	
	F022171	1449.3	1449.7	0.122	1449.3	1450	6W	LG	DIST												
1450	F022172	1449.7	1450	0.224	1450	1450.7	2K	LG	MA	Light green, fg, mafic metavolcanic dyke (2K). Massive, non-magnetic. Absent of bt, mod pervasive green amp. Wk thin planar qz veinlet. No mineralization.											
	F022198	1450	1450.7	0.035	1450.7	1452.6	4F	B	POR BL	Dark brown grt-bt schist (4F). Fine grained w abundant mg to very cg subhedral grt. Well foliated to compositionally banded. Agglomerate grt bands present. Locally weakly magnetic. Sporadic grt-amp bands. Tr up to 2-3% Po assoc w grts and grt-amp bands.	2-3% qz-cb veining. Gradational LC.		Minor mafic volc. Fine grained. Weakly foliated. Sharp UC. Gradational LC. No sig veining or min. 19cm wide.								
	F022199	1450.7	1451.2	0.459																	
	F022201	1451.2	1452.1	0.147																	
	F022202	1452.1	1452.6	1.35																	
	F022203	1452.6	1453.1	0.028	1452.6	1454.4	1	G	MA	Med-dark grey to grey-green ultramafic (1). Fine grained. Massive to weakly foliated. Moderately magnetic. Minor 2/2K from 1453.1-1453.3m & 1454-1454.2m (no sig veining or min). 1-2% minor qz-cb veinlets. No visible mineralization. Gradational LC.		2	20cm wide mafic volc or mafic dyke. Fine grained. Well foliated. No sig veining or min, Weakly magnetic. Sharp UC. Gradational LC.								
	F022204	1453.1	1453.4	0.018																	
	F022205	1453.4	1454	0.023								2									
1455	F022206	1454	1454.4	0.729	1454.4	1456.4	2	GG	FOL	Dark grey-green mafic volc (2) or poss mafic dyke (2K). Fine grained to locally med grained. Weakly magnetic. Weakly foliated to locally distorted. Minor lcl bt. 4-5% white qz-cb veining w weak green amp alt. Tr local Po in vicinity of qz-cb vein.	Sharp LC.										
	F022207	1454.4	1455	0.014																	
	F022208	1455	1455.7	0.099																	
	F022209	1455.7	1456	0.231																	
	F022211	1456	1456.4	0.229	1456.4	1458.9	1	G	FOL	Med grey to grey-green ultramafic (1). Fine grained. Massive to weakly foliated. Mod-strong magnetic. Local bt & chl wisps. 1-3% greyish qz veins. No visible mineralization. Mod talc making core soft to scratch. Sharp LC.											
	F022212	1456.4	1457	0.071																	
	F022213	1457	1457.9	0.058																	
	F022214	1457.9	1458.9	0.047	1458.9	1460.3	4F	B	POR BL	Brown grt-bt schist (4F). Fine grained w mod cg to very cg an-subhedral grt. Abundant fg st. Very weakly magnetic. <1% qz-cb veining. Well foliated. Tr local Po in groundmass. Weak patchy ser in groundmass making it a greyish colour. Sharp LC.											
1460	F022215	1458.9	1459.9	0.013	1460.3	1460.8	1	GG	MA	Med grey-green ultramafic (1). Fine grained. Massive to locally weakly foliated. Mod magnetic. Soft to scratch. Mag susc avg of 8.3 SI. <1% qz-cb veining. No visible mineralization. Gradational LC.											
	F022216	1459.9	1460.3	0.115	1460.8	1462.8	2	GG	FOL	Med grey mafic volc (2) or poss ultramafic (1). Fine grained. Weakly foliated to massive. Soft to scratch. Weakly magnetic. Mag susc avg of 0.5 SI. 2-3% qz-cb veinlets. Minor veinlet at UC is pinkish in colour. Weak-mod bt. BT increases at 1462m to mod.	No sig min. Sharp LC.										
	F022217	1460.3	1460.8	0.076																	
	F022218	1460.8	1461.8	0.012																	
	F022219	1461.8	1462.8	0.033																	
	F022221	1462.8	1463.3	2.06	1462.8	1464.4	4F	B	POR BL	Brown grt-bt schist (4F). Fine grained w mod very cg subhedral grt. Foliated to compositionally banded. Minor 6 at 1463.3-1463.5m. Locally magnetic. 5% qz-cb veining. Local Po up to 1-2% predominantly assoc w veining. Sharp LC.		6	27cm wide metased. Fine grained. Laminated to foliated. Weakly magnetic. Abundant bt. No grt. 1% qz-cb veining. No sig min.								
	F022222	1463.3	1463.6	0.024																	
	F022223	1463.6	1464.4	0.039																	
1465	F022224	1464.4	1465	0.288	1464.4	1465	1	GG	MA		Sharp LC.										
	F022225	1465	1466	0.064	1465	1471.8	4F	B	POR BL	Dark grey-green ultramafic (1) or poss mafic volc (2). Fine grained. Massive to locally weakly distorted. Mod magnetic w avg mag susc of 18 SI. 7% qz-cb veining concentrated towards UC. Mod talc/serp alt making core soft to scratch. No visible min.	Tr-1% Po predominantly assoc w grt-amp bands and veining. Gradational LC w poss mafic volc bands occurring before contact.										
	F022226	1466	1467	0.024																	
	F022227	1467	1467.4	0.076																	
	F022228	1467.4	1467.8	0.021																	
	F022229	1467.8	1468.7	0.008						Dark brown grt-bt schist (4F). Fine grained w abundant mg-cg & patches of very cg subhedral grt. Foliated. Sporadic grt-amp bands. Very cg grt occur for 0.6-1m at each contact. Locally very weakly magnetic. 5-7% qz-cb veining.											
	F022231	1468.7	1469	0.008																	
	F022232	1469	1469.7	0.016																	
1470	F022233	1469.7	1470.7	0.006																	
	F022234	1470.7	1471.2	0.006																	
	F022235	1471.2	1471.8	0.007																	
	F022236	1471.8	1472.7	0.005	1471.8	1473.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Abundant bt. Maybe green & weakly magnetic metased (6). SZ from 1472.7-1473.4m w abundant qz-cb stringers. Up to 10% qz-cb veinlets/veins throughout. No sig min. Sharp LC.											
	F022237	1472.7	1473.5	0.007																	
	F022238	1473.5	1474.5	0.01	1473.5	1481.1	4F	B	POR BL	Dark brown-black grt-bt schist (4F). Fg w abund mg to lcl cg-very cg sub-euhedral grt. Very cg grt are concentrated to near contacts. Sporadic grt-amp bands. Irregular & shallow grt-amp bands at 1479-1479.8m (lighter pink anhedral grt and mod cb alt).	Foliated. Very weakly magnetic. <1% qz-cb veining. 1-2% local Po predominantly assoc w grt-amp bands. Sharp LC.										
1475	F022239	1474.5	1475.2	0.005																	
	F022241	1475.2	1476.2	0.005																	
	F022242	1476.2	1476.5	0.007																	
	F022243	1476.5	1477.4	0.006																	
	F022244	1477.4	1478.4	0.016																	
	F022245	1478.4	1479.4	0.006																	
1480	F022246	1479.4	1480.4	0.011						Dark grey-green mafic volc (2). Fine grained. Weakly foliated w mod bt wisps. Weakly magnetic. 7-8% qz veining w local green amp alt. Very tr blb Po assoc w vein. Brittle fracturing causing blocky core at 1487.7m. Minor shallow brittle fratures present.											
	F022247	1480.4	1481.1	0.008																	
	F022248	1481.1	1482	0.007	1481.1	1487.9	2	GG	FOL		Gradational LC.										

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Assay

Sample	From	To	AU ppm
F022248	1481.1	1482	0.007
F022249	1482	1483	0.008
F022251	1483	1484	0.007
F022252	1484	1485	0.006
F022253	1485	1485.9	0.006
F022254	1485.9	1486.9	0.006
F022255	1486.9	1487.9	0.012
F022256	1487.9	1488.2	0.013
F022257	1488.2	1489	0.068
F022258	1489	1489.9	0.011
F022259	1489.9	1490.4	0.372
F022261	1490.4	1491.4	0.07
F022262	1491.4	1492	0.492
F022263	1492	1493	1
F022264	1493	1493.6	0.191
F022265	1493.6	1494.1	0.029
F022266	1494.1	1495	0.01
F022267	1495	1496	0.012
F022268	1496	1496.5	0.024
F022269	1496.5	1497.5	0.01
F022271	1497.5	1498.5	0.012
F022272	1504.1	1505.1	0.019
F022273	1505.1	1505.4	0.015
F022274	1505.4	1506	0.02
F022275	1506	1506.6	0.018
F022276	1506.6	1507.5	0.015
F022277	1507.5	1508.5	0.011
F022278	1508.5	1509.5	0.008
F022279	1509.5	1510.5	0.011
F022281	1510.5	1510.8	0.524
F022282	1510.8	1511.1	0.026
F022283	1511.1	1511.4	0.021
F022284	1511.4	1512.1	0.029
F022285	1512.1	1513	3.51
F022286	1513	1513.8	1.41
F022287	1513.8	1514.3	5.47
F022288	1514.3	1514.9	2.38
F022289	1514.9	1515.5	1.65
F022291	1515.5	1516	5.13
F022292	1516	1516.5	6.74
F022293	1516.5	1517.5	0.079
F022294	1517.5	1518.5	0.078

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1481.1	1487.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Weakly foliated w mod bt wisps. Weakly magnetic. 7-8% qz veining w local green amp alt. Very tr blb Po assoc w vein. Brittle fracturing causing blocky core at 1487.7m. Minor shallow brittle fratures present.	Gradational LC.
1487.9	1488.2	6W	B	POR BL	Brown to grey possible grt-bearing metased (6). Sporadic green bands. Abundant bt. Foliated to schistose. Fine grained w mod cg an-subhedral grt. Nonmagnetic. Tr Po interstitial to grt. No sig veining. Sharp LC.	
1488.2	1489.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Weakly magnetic. Sporadic grt-bt bands starting at 1489-1489.5m. Abundant bt wisps. 1% qz-cb veining. No sig mineralization. Gradational LC.	
1489.9	1490.4	4EF	GG	BA	Dark grey-green grt-amp BIF (4E). Fine grained. Well banded; shallow TCA. Locally magnetic. Mod very cg an-subhedral grt. Minor bt present. 2-3% qz-cb veining. 1-2% Po assoc w green amp alt near veining. Gradational LC.	
1490.4	1491.4		B	FOL	Dark grey purple metased (6). Fine grained. Laminated to foliated. 1% minor qz-cb veining. No sig mineralization. Nonmagnetic. Abundant bt. Minor brittle fracturing near UC. Sharp LC. Locally folded beds.	
1491.4	1494.1	4EF	GG	DIST	Dark grey-green grt-amp BIF w abundant grt-bt bands (4E). ~35% grt-bt bands. Fg w abundant cg to very cg subhedral grt. Local grt agglomerate bands. Minor gru alt assoc w grt. Mod folded. 7-10% qz-cb veining. Tr up to 5% Po in both veining & groundmass.	Locally magnetic. Gradational LC.
1494.1	1496.5	4F	B	POR BL	Brown to black grt-bt schist (4F). Fg w cg to very cg subhedral grt. Locally very weakly mag. Fol. 1-2% qz-cb veining. 1-2% Po in veins & interstitial to grt. LC is dark grey-green in colour as unit grades into mafic volc (2); but grt & Po still present.	Gradational LC.
1496.5	1499.1	2	GG	FOL	Dark grey-green/purple mafic volc (2) or poss metased (6). Fine grained. Weakly foliated w abundant bt. Weakly magnetic. Locally folded bt wisps. 1-2% qz-cb veining. No sig mineralization.	
1499.1	1501.6	1	G	MA	Med grey to grey-green possible ultramafic (1). Fine grained. Not very soft to scratch (local soft patches). Massive to locally foliated. 2-3% qz-cb veining. No visible mineralization. Magnetic. Mag susc avg between 50.7-81.6 SI. Gradational LC.	
1501.6	1511.1	2	GG	FOL	Med-dark grey to grey-green mafic volc (2). Fine grained. Weakly foliated. Mod bt wisps w patches of strong bt (predominantly around qz-cb veins). Weakly magnetic w mag susc avg of 0.615 SI. 5-7% qz-cb veining. Tr-1% Po in groundmass.	Minor 4E unit at 1510.6-1510.8m w 3% qz-cb veining & 5% qz-cb veining. Sharp LC.
1511.1	1512.1		B	FOL	Dark brown to grey metased (6). Fine grained. Very weakly magnetic. Foliated to poss laminated. Abundant bt. Minor 4E at UC from 1511.1-1511.3m w 1% Po & 3-5% qz-cb veining. Green amp bands at 1511.5m. No sig min in groundmass of metased. Sharp LC.	
1512.1	1516.5	4E	GG	DIST	Dark grey-green grt-amp BIF (4E) w abundant gru (~30-35%%). Fg w abund very cg subhedral grt. Locally magnetic. Banding is folded. 20% qz-cb veining; weakly flooded. 1-10% Po assoc w veining & alt. Wk chl wisps. No sig bt. Lcl agglomerate grt-gru bands.	Gru alt decreases near UC & LC. Irregular LC.
1516.5	1568.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps & local increases in bt abund (assoc w qz-cb veins & HZ's). 12-15% qz-cb veining; locally folded vns. Weakly magnetic. No significant mineralization. Local minor fracturing.	Multiple poss HZ's between 1519.2 & 1549.6m w increased bt & qz-cb veining. Sharp LC.

MINOR UNIT

Unit	Comments
4E	Dark green grt-amp BIF (4E). 20cm wide. Abund amp & minor sporadic very cg grt. Very weakly magnetic. 2-3% qz-cb veining. Up to 3% Po assoc w veining & groundmass.
4E	Grey-green grt-amp BIF (4E) w mod gru bands. Locally magnetic. Fine grained. od very cg grt. Up to 1% Po. 3-5% qz-cb veining.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
MOD							Mod bt wisps in mafic.
			MOD				Mod-strong gru bands in 4E.
MOD							Mod-strong bt wisps assoc w qz-cb (HZ?).

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525																					
1530																					
1535																					
1540					1516.5	1568.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps & local increases in bt abund (assoc w qz-cb veins & HZ's). 12-15% qz-cb veining; locally folded vns. Weakly magnetic. No significant mineralization. Local minor fracturing.	Multiple poss HZ's between 1519.2 & 1549.6m w increased bt & qz-cb veining. Sharp LC.										
1545																					
														STR							Mod-strong bt assoc w abund qz-cb veins.
1550																					
1555																					
1560																					

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Depth	Sample	From	To	AU ppm
1565				
	F022295	1566.7	1567.7	0.012
	F022296	1567.7	1568.7	0.006
	F022297	1568.7	1569	0.1
	F022298	1569	1570	3.69
1570	F022299	1570	1570.7	0.021
	F022301	1570.7	1571	0.02
	F022302	1571	1571.8	0.028
	F022303	1571.8	1572.1	0.009
	F022304	1572.1	1572.7	0.02
	F022305	1572.7	1573.4	0.06
	F022306	1573.4	1574.4	1.22
1575	F022307	1574.4	1575.4	0.006
	F022308	1575.4	1576.1	0.006
	F022309	1576.1	1576.6	0.256
	F022311	1576.6	1577	0.019
	F022312	1577	1578	0.096
	F022313	1578	1579	0.728
1580				
1585				
1590				
1595				
1600				

From	To	Unit	Col	Text	Comments	Comments
1516.5	1568.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated w mod bt wisps & local increases in bt abund (assoc w qz-cb veins & HZ's). 12-15% qz-cb veining; locally folded vns. Weakly magnetic. No significant mineralization. Local minor fracturing.	Multiple poss HZ's between 1519.2 & 1549.6m w increased bt & qz-cb veining. Sharp LC.
1568.7	1574.4	4E	GG	DIST	Dark grey-green grt-amp BIF (4E) w abundant grt-gru bands (~35-40%). Appearance of grt-bt bands starts at 1572.8m. Locally magnetic. Fg w abundant very cg subhedral grt. 20% qz-cb flooding. 1-3% Po assoc predominantly w veining. Mod folding throughout.	Minor metased (6) from 1570.8-1571m. Sharp LC.
1574.4	1576.1	6W	B	LA	Dark brown grt-bearing metased (6W). Fine grained. Laminated to foliated. Abundant bt. Locally very weakly magnetic. Local minor green amp assoc w veining. 10% qz-cb veins/stringers. Poss HZ throughout unit. Sporadic mg-cg an-subhedral grt. No sig min.	Gradational LC.
1576.1	1576.6	4E	GG	DIST	Dark grey-green grt-amp BIF (4E). Fine grained. Banded to weakly distorted. Abundant very cg an-subhedral grt. Magnetic. Mod grt-bt bands at gradational LC. 3-4% qz-cb veining. 1% Po assoc w veining. No sig gru.	
1576.6	1577	2U	GG	POR BL	Dark grey-green grt-bearing mafic volc (2). Fine grained w sporadic m-cg grt. Well foliated. 3-5% qz-cb veinlets. Mod bt. Weakly magnetic. No significant mineralization. Gradational LC.	
1577	1619.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Locally weakly magnet. Fabric is shallow TCA. Mod bt wisps w patches of increased abundance; predominantly assoc w increased qz-cb veining. 10-15% qz-cb veining. No sig min.	Multiple poss HZ's assoc w abundant qz-cb veining/stringers & increased bt (between 1577.2-1587m). Local shallow brittle fractures (following fabric). Increased green amp alt around qz-cb veins at 1585.9-1596m. Minor 4F at 1618.1-1618.2m w tr Po.

Unit	Comments
6	Minor brown metased (6). Fine grained. Weakly laminated to foliated. No sig veining or min. 22cm wide. Sharp contacts.

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
			MOD				Mod gru-grt bands.
MOD							
MOD							
MOD							
STR							Mod green amp and strong bt assoc w qz-cb veining.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605																					
1610					1577	1619.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Locally weakly magnet. Fabric is shallow TCA. Mod bt wisps w patches of increased abundance; predominantly assoc w increased qz-cb veining. 10-15% qz-cb veining. No sig min.	Multiple poss HZ's assoc w abundant qz-cb veining/stringers & increased bt (between 1577.2-1587m). Local shallow brittle fractures (following fabric). Increased green amp alt around qz-cb veins at 1585.9-1596m. Minor 4F at 1618.1-1618.2m w tr Po.									
1615																					
	F022314	1617	1618																		
	F022315	1618	1618.3	3.51																	
	F022316	1618.3	1619	0.051								4F	Minor grt-bt schist (4F). Fine grained w mod cg grt. No veining. Tr Po. Sharp contacts.								
	F022317	1619	1619.7	0.005																	
	F022318	1619.7	1620.1	0.029						Brown to dark grey-green grt-amp BIF w abundant grt-bt bands (4EF). ~25-30% grt-bt bands. Locally magnetic. Minor grt-gru bands appear at 1620.8m. Fg w abund m-cg subhedral grt. Foliated to compositionally banded. 1% qz-cb veinlets. Tr up to 3-4% Po.				STR						Mod-strong bt wisps.
	F022319	1620.1	1620.5	0.014																	
1620	F022320	1620.5	1620.8	2.27																	
	F022321	1620.5	1620.8	0.309	1619.7	1621.3	4EF	GG	BA	Dark brown grt-bt schist (4F). Fine grained w abund cg subhedral grt. Very weakly magnetic. Well foliated to schistose. 1-2% qz-cb veining. No sig mineralization. Gradational LC.	Gradational LC.										
	F022322	1620.8	1621.3	0.025					POR BL												
	F022323	1621.3	1622	0.024	1621.3	1622	4F	B	BL	Brown grt-bearing metased (6W). Fine grained w sporadic cg grt. Well foliated to laminated. <1% qz-cb veining. No sig mineralization. Very weakly magnetic. Gradational LC.											
	F022324	1622	1622.5	0.005	1622	1622.5	6W	B	FOL												
	F022325	1622.5	1623.5	0.054	1622.5	1624.7	4F	B	POR BL	Dark brown grt-bt schist (4F). Fine grained w abundant m-cg sub-euhedral grt. Very weakly magnetic. Foliated to weakly compositionally banded. 1% qz-cb veinlets. No sig mineralization. Irregular and folded LC.											
	F022326	1623.5	1624.4	0.011																	
	F022327	1624.4	1624.7	0.048																	
1625	F022328	1624.7	1625.4	0.253	1624.7	1625.4	4EA	GG	BA	Grey-green to brown grt-amp-gru BIF (4EA). Poorly developed w abundant grt-bt bands. Fine grained w abund m-cg sub-euhedral grt. Weakly magnetic. Well banded and folded. <1% qz-cb veinlets. Tr Po. Gradational LC.											
	F022329	1625.4	1626	0.282	1625.4	1627	4F	B	POR BL	Brown grt-bt schist (4F). Fine grained w abund m-cg sub-euhedral grt. Very weakly magnetic. Foliated to locally compositionally banded. Similar to 4F above. 1% thin qz-cb veinlets. No sig mineralization. No LC as 4F was priority logged.											
	F022331	1626	1627	0.118																	
	F022332	1627	1628	0.212	1627	1629.6	4E	B	POR BL	Folded bands of 4EA at LC. 4EA bands have 0.5% wisps of po. Gradational LC.											
	F022173	1628	1628.7	0.04																	
	F022174	1628.7	1629	0.042																	
	F022175	1629	1629.6	0.063																	
1630	F022176	1629.6	1630.6	0.615																	
	F022177	1630.6	1630.9	1.461																	
	F022178	1630.9	1631.4	0.593																	
	F022179	1631.4	1632	1.036																	
	F022181	1632	1633	2.858																	
	F022182	1633	1633.5	3.049																	
	F022183	1633.5	1634	13.61																	
	F022184	1634	1634.4	0.487																	
1635	F022185	1634.4	1635.4	26.67																	
	F022186	1635.4	1636.1	1.55	1629.6	1647.7	4EA	GG	BA	Light green-grey-maroon fg garnet-grunerite BIF(4EA). Mod-strongly banded. Weak-mod magnetic. Mod-strongly developed 1-3cm bands of chert and grunerite+garnet. Minor magnetite bands. Pervasive qz flooding throughout unit. Up to 15% stringers	of po. Strong green amphibole associated with higher mineralization.										
	F022187	1636.1	1637	0.396																	
	F022188	1637	1638	0.049																	
	F022189	1638	1639	0.395																	
	F022191	1639	1640	2.181																	
1640	F022192	1640	1641	0.738																	
	F022193	1641	1641.9	0.465																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F022193	1641	1641.9	0.465																	
	F022194	1641.9	1642.5	0.043																	
	F022195	1642.5	1643	0.018																	
	F022196	1643	1644	0.112																	
1640	F022197	1644	1645	0.044	1629.6	1647.7	4EA	GG	BA	Light green-grey-maroon fg garnet-grunerite BIF(4EA). Mod-strongly banded. Weak-mod magnetic. Mod-strongly developed 1-3cm bands of chert and grunerite+garnet. Minor magnetite bands. Pervasive qz flooding throughout unit. Up to 15% stringers	of po. Strong green amphibole associated with higher mineralization.										
	F022333	1645	1646	0.033																	
	F022334	1646	1647	0.012																	
	F022335	1647	1647.7	0.027																	
	F022336	1647.7	1648.3	0.025	1647.7	1648.9	4EA	GG	BA	Dark grey-green grt-amp-gru BIF (4EA). Mod developed. Fine grained w abundant cg subhedral grt. Well banded. Mod chert-mag bands. Mod magnetic. Fabric is linear to locally folded. Abundant grt-gru bands. 5% qz-cb veining. Tr Po. Gradational LC.											
	F022337	1648.3	1648.9	0.009																	
	F022338	1648.9	1649.5	0.023																	
1650	F022339	1649.5	1650	0.034	1648.9	1651.6	4BF	GG	BA	Dark grey-green chert-mag BIF w abund grt-bt bands (4BF). Mod chl bands. Fine grained w mod very cg subhedral grt. Compositionally banded; locally folded. Minor meth flt splays present. 5-7% qz-cb veining. Tr Po in both veining & groundmass. Magnetic.	Local minor marginal gru present. Gradational LC.										
	F022341	1650	1651	0.011																	
	F022342	1651	1651.6	0.02																	
	F022343	1651.6	1652.1	0.105																	
	F022344	1652.1	1652.6	0.011	1651.6	1653.8	4EA	GG	BA	Poorly developed grey-green grt-amp-gru BIF (4EA) w abund chert-mag bands. Well banded. Looks like a 4BF but w mod grt-gru bands. Mod marginal gru. Magnetic. Minor 4BF from 1652.6-1652.8m w only marginal gru. Abund grt-bt bands.	SZ w qz-cb flooding from 1652.1-1652.6m. Mod chl bands w vns. 10-15% qz-cb veining. Tr Po throughout. Gradational LC.	4BF	21cm wide chert-mag BIF w abund grt-bt bands (4BF). Weak marginal gru. Magnetic. Well banded. 1-2% qz-b veining. No sig min. Gradational contacts.								
	F022345	1652.6	1653	0.057																	
	F022346	1653	1653.8	0.22																	
	F022347	1653.8	1654.4	0.009	1653.8	1654.4	4EA	GG	DIST	Possible very poorly developed grt-amp-gru BIF (4EA). Or a very gradational & highly strained contact between 4EA & 6W. Sporadic metased bands. Banded to wispy/distorted. Locally mag. Mod grt-bt bands. Minor grt-gru bands. 1% qz-cb veinlets. No sig min.	Poss meth splay at 1654m (orange in colour). Fine grained w cg to very cg sub-euhedral grt. Gradational LC.										
1650	F022348	1654.4	1654.9	0.013	1654.4	1654.9	6W	B	FOL												
	F022349	1654.9	1655.5	0.018	1654.9	1656	4EA	GG	DIST	Dark brown grt-bearing metased (6W). Fine grained. Foliated to wispy. Locally very weakly magnetic. Sporadic cg to very cg sub-euhedral grt. Sporadic amp alt bands & grt-bt bands. <1% qz-cb veining. Tr Po. Gradational LC.											
	F022351	1655.5	1656	0.804																	
	F022352	1656	1656.5	0.224																	
	F022353	1656.5	1657.5	0.04	1656	1672.2	4BF	GG	BA	Poorly developed grt-amp-gru BIF (4EA). Mod grt-bt & chert-mag bands. Minor grt-gru bands & amp bands present. Fine grained w very cg subhedral grt. 3-5% qz-cb veining w mod green amp alt. Banding is locally folded. Tr local Po. Magnetic. Gradational LC.	Fabric direction change around 1656.4m & back again around 1657.2m. SZ w mod qz-cb flooding from 1658.2-1659.4m w 3% Po & mod amp alt. Mod local brittle fracturing between 1663-1671m.										
	F022354	1657.5	1658	0.024																	
	F022355	1658	1658.6	0.071																	
	F022356	1658.6	1659	9																	
1660	F022357	1659	1659.5	0.313																	
	F022358	1659.5	1660.3	0.012																	
	F022359	1660.3	1661	0.013																	
	F022361	1661	1662	0.007																	
	F022362	1662	1663	0.007																	
	F022363	1663	1664	0.008																	
	F022364	1664	1665	0.008																	
1660	F022365	1665	1665.6	0.018																	
	F022366	1665.6	1666.2	0.101																	
	F022367	1666.2	1666.5	0.133																	
	F022368	1666.5	1666.9	0.078																	
	F022369	1666.9	1667.5	5.26																	
	F022371	1667.5	1668	0.036																	
	F022372	1668	1668.5	0.136																	
	F022373	1668.5	1669.5	0.028																	
1670	F022374	1669.5	1670	0.036																	
	F022375	1670	1671	1.4																	
	F022376	1671	1671.7	0.074																	
	F022377	1671.7	1672.2	0.031																	
	F022378	1672.2	1673	0.163																	
	F022379	1673	1674	0.024																	
	F022381	1674	1674.7	0.04																	
1670	F022382	1674.7	1675.3	0.008																	
	F022383	1675.3	1676	0.066																	
	F022384	1676	1677	0.031	1672.2	1693.1	4B	G	BA	Dark grey to grey-green chert-mag BIF (4B). Aphanitic. Magnetic. Well banded w locally folding. Abundant grt-amp banding. 12-15% qz-cb veining (1-15cm wide). Sporadic minor grt assoc w amp bands. Well mineralized w tr-7% Po assoc w veining & litho.	Gradational LC.										
	F022385	1677	1678	2.25																	
	F022386	1678	1678.6	4.05																	
	F022387	1678.6	1679.3	1.05																	
1680	F022388	1679.3	1680.3	3.02																	
	F022389	1680.3	1681.2	0.765																	
	F022391	1681.2	1682	0.022																	

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Assay

Depth	Sample	From	To	AU ppm
	F022391	1681.2	1682	0.022
	F022392	1682	1683	0.08
	F022393	1683	1683.6	0.874
	F022394	1683.6	1684.2	0.166
	F022395	1684.2	1685	0.543
1685	F022396	1685	1685.4	1.08
	F022397	1685.4	1686.1	0.127
	F022398	1686.1	1687	0.497
	F022399	1687	1687.8	0.236
	F022401	1687.8	1688.8	0.175
	F022402	1688.8	1689.8	0.177
1690	F022403	1689.8	1690.2	0.318
	F022404	1690.2	1690.9	1.5
	F022405	1690.9	1691.4	0.252
	F022406	1691.4	1692.4	0.165
	F022407	1692.4	1693.1	0.014
	F022408	1693.1	1694	0.026
	F022409	1694	1694.7	0.053
1695	F022411	1694.7	1695.2	0.036
	F022412	1695.2	1695.9	0.186
	F022413	1695.9	1696.4	0.115
	F022414	1696.4	1697	0.01
	F022415	1697	1697.3	0.039
	F022416	1697.3	1698.1	0.01
	F022417	1698.1	1698.4	0.048
	F022418	1698.4	1699.2	0.108
1700	F022419	1699.2	1700.2	0.015
	F022421	1700.2	1701	0.011
	F022422	1701	1701.3	0.008
	F022423	1701.3	1701.7	0.172
	F022424	1701.7	1702.7	0.182
	F022425	1702.7	1703.7	0.067
	F022426	1703.7	1704.7	0.209
1705	F022427	1704.7	1705.2	0.065
	F022428	1705.2	1706.1	0.071
	F022429	1706.1	1706.8	0.622
	F022431	1706.8	1707.8	0.01
	F022432	1707.8	1708.8	0.005
1710				
1715				
1720				

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1672.2	1693.1	4B	G	BA	Dark grey to grey-green chert-mag BIF (4B). Aphanitic. Magnetic. Well banded w locally folding. Abundant grt-amp banding. 12-15% qz-cb veining (1-15cm wide). Sporadic minor grt assoc w amp bands. Well mineralized w tr-7% Po assoc w veining & litho.	Gradational LC.
1693.1	1694.7	4BF	G	BA	Dark grey chert-mag BIF w abundant grt-bt bands (4BF). Fine grained w m-cg grt. Magnetic. Well banded; locally wavy. Weak lcl green amp alt; fabric is weakly distorted around alt. 1-2% thin qz-cb veining. Up to 5% Po predominantly assoc w groundmass.	Sporadic marginal gru. Gradational LC.
1694.7	1696.4	4B	GG	BA	Dark grey-green chert-mag BIF (4B). Aphanitic. Magnetic. Well banded. Bands are locally weakly wavy. Sporadic grt-bt bands. Minor green amp bands/wisps assoc w veins. Sporadic marginal gru. 10-15% qz-cb veining. Up to 10% Po assoc w veining and alt.	Sharp LC.
1696.4	1698.1	3A	GG	FOL	Dark grey-green andesite (3A). Fine grained w abundant local bt wisps. 10-15% qz-cb veining; both larger veins & thinner erratic/irregular veinlets. No sig min. Nonmagnetic. Minor 4B from 1697-1697.2m w up to 5% Po and grt-bt wisps at LC. Sharp LC.	
1698.1	1699.2	4B	G	BA	Dark greu chert-mag BIF (4B) w sporadic grt-bt bands. Fabric is shallow TCA. Fine grained. Thinly banded, Magnetic. 2-3% qz-cb veining. 5-7% Po assoc w banding & veining. Sharp LC. Fabric at contacts is steeper than the rest of unit. Minor marginal gru.	
1699.2	1701.3	3A	GG	FOL	Dark grey-green andesite (3A). Fine grained w abundant bt wisps. Patches of m-cg white grains (felds?). Well foliated. Nonmagnetic. 1-2% qz-cb veinlets w wk-mod green amp alt. No sig minz. Irregular LC.	
1701.3	1703.7	4B	GG	DIST	Med grey-green chert-mag BIF (4B) w abund light green (amp?) alt. Magnetic. Fg. Weakly banded until 1702m & then distorted w no discernable bands (HZ throughout). Sporadic grt-bt bands/wisps (towards UC). 5-10% qz-cb veining. 3-10% Po in veining & alt.	Gradational LC.
1703.7	1706.8	4A	GG	DIST	Med grey-green chert-gru BIF (4A). Fine grained. Thinly banded to wispy/distorted. Locally mod magnetic. Fine grained. Sporadic grt-bt bands. Abundant greenish yellow gru. 5-7% qz-cb veining. 2-8% Po throughout; assoc w veining & alt. Sharp LC.	
1706.8	1713	3A	GG	FOL	Dark grey to grey-green andesite (3A). Fine grained. Well foliated w abundant bt wisps. Local minor brittle fracturing. 2-3% minor qz-cb veinlets. No sig mineralization. Locally very weakly magnetic. EOH.	

MINOR UNIT

Unit	Comments
4B	26cm wide 4B w sporadic grt-bt wisps at LC. Foliated to weakly banded. Magnetic. <1% qz-cb veining. Up to 5% Po.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
							weak green amp alt and weakly distorted fabric.
							Mod green amp alt assoc w veining.
							Mod patchy green amp alt assoc w veining.

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
25																					
30																					
35																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
65																					
70																					
75																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
105																					
110																					
115																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
145																					
150																					
155																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
185																					
190																					
195																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
225																					
230																					
235																					
240																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
265																					
270																					
275																					
280																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
305																					
310																					
315																					
320																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
345																					
350																					
355																					
360																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
385																					
390																					
395																					
400																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
425																					
430																					
435																					
440																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
465																					
470																					
475																					
480																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
505																					
510																					
515																					
520																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
545																					
550																					
555																					
560																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
585																					
590																					
595																					
600																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
625																					
630																					
635																					
640																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
665																					
670																					
675																					
680																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
705																					
710																					
715																					
720																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
745																					
750																					
755																					
760																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
785																					
790																					
795																					
800																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
825																					
830																					
835																					
840																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
865																					
870																					
875																					
880																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
905																					
910																					
915																					
920																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
945																					
950																					
955																					
960																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
985																					
990																					
995																					
1000																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1025																					
1030																					
1035																					
1040																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1065																					
1070																					
1075																					
1080																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1105																					
1110																					
1115																					
1120																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1145																					
1150																					
1155																					
1160																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1185																					
1190																					
1195																					
1200																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1225																					
1230																					
1235																					
1240																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1265																					
1270																					
1275																					
1280																					

19-NSD-011

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1305																					
1310																					
1315																					
1320																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1345																					
1350																					
1355																					
1360																					

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1400	Wedge hole no log			original To depth was 1404, but core was recovered back to 1400m.											
1385																					
1390																					
1395																					
1400					1400	1402.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. Nonmagnetic except for minor patches of green magnetic alt (amp?). 1-2% qz-cb veining. No significant mineralization. Sharp LC.											

19-NSD-011

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1400	1402.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. Nonmagnetic except for minor patches of green magnetic alt (amp?). 1-2% qz-cb veining. No significant mineralization. Sharp LC.											
1405					1402.5	1412.3	2	GG	FOL	Dark grey-green mafic volc (2). Fg. Well fol to highly strained from 1409.3-1411.6m. Abundant cb stringers within HZ. Brittle faulting at 1412.1-1412.3m. Very weakly mag. Minor meth flt splay at 1407m. 5-6% qz-cb veining. Tr Po in veining & groundmass.	Faulted LC.										
	F018563	1405.9	1406.9	0.005																	
	F018564	1406.9	1407.9	0.007																	
	F018565	1407.9	1408.6	0.005																	
	F018566	1408.6	1409.2	0.005																	
	F018567	1409.2	1410	0.005																	
1410	F018568	1410	1410.6	0.005																	
1415					1412.3	1420.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Nonmagnetic. Brittle fault from 1412.5-1414.2m. Well fol. 2-3% qz-cb veining. No sig min. Hairline fractures w minor bleaching giving core a brecciated appearance from 1412.3-1412.6m.	Gradational LC.										
	F018569	1418.7	1419.7	0.005																	
1420	F018571	1419.7	1420.7	0.009																	
	F018572	1420.7	1421.4	0.006	1420.7	1422.1	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w sct cg grt. Well foliated. Patchy green alt sct in unit. 1-3% qz-cb veining predominantly irregular/discontinuous in shape. 0.3% sct Po in groundmass. Mod bt wisps. Weakly locally magnetic.	Gradational LC.										
	F018573	1421.4	1422.1	0.006																	
	F018574	1422.1	1422.7	0.006	1422.1	1423.2	6W	GG	FOL	Dark grey-purple & green grt-bearing metased (6W). Poss grt-bearing mafic volc (2U). Fg w mod cg grt. Abund bt wisps. Weak mag localized to green bands. Well fol. 5-6% white qz-cb veining. Tr Po in groundmass. SZ from 1422.4-1423.2m w abund cb stringers.	Sheared LC.										
	F018575	1422.7	1423.2	0.007																	
	F018576	1423.2	1424	0.005	1423.2	1427.7	3	G	FOL	Med-dark grey felsic volc (3) w mod green bands sct (weakly mag; amp bands?). Well foliated. Poss minor white lapilli present. Well foliated to highly strained from 1423.9-1427.5m w patchy cb stringers. Tr patchy Po. 2-3% qz-cb veining. Gradational LC.											
	F018577	1424	1425	0.005																	
1425	F018578	1425	1425.9	0.005																	
	F018579	1425.9	1426.6	0.005																	
	F018581	1426.6	1427.2	0.005																	
	F018582	1427.2	1427.7	0.005																	
	F018583	1427.7	1428.1	0.005	1427.7	1431.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli sct. Well fol. Mod sct green amp alt bands & weak cb alt. Locally weakly magnetic assoc w green alt bands. 1-2% minor qz-cb veining. Tr patchy Po assoc w veining & groundmass.	Ground LC due to wedge.										
	F018584	1428.1	1429	0.005																	
	F018585	1429	1429.4	0.005																	
1430	F018586	1429.4	1430	0.005																	
					1431.5	1432.4	MIS			90cm missing due to clappison wedge.											
					1432.4	1436.8	G 3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Similar to 3F above. Fine grained. Well foliated. Mod white lapilli. Patchy green alt bands & cb alt. Locally magnetic (green amp bands). Highly strained from 1432.4-1435.5m. 1% qz-cb veining w mod ms.	No significant mineralization. Gradational LC.										
1435																					
					1436.8	1439.7	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained. No visible lapilli. Locally very weakly magnetic. Well foliated. Brittle fault at 1439-1439.7m (blocky core). No significant veining or mineralization. Mod bt wisps. Gradational LC.										
1440					1439.7	1442.9	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained. Well foliated. Sct white lapilli present. 5% qz-cb veining w minor ser alt. Mod bt wisps. Non-magnetic. Minor sct meth flt splays. No significant mineralization. Gradational LC.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1439.7	1442.9	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained. Well foliated. Sct white lapilli present. 5% qz-cb veining w minor ser alt. Mod bt wisps. Non-magnetic. Minor sct meth flt splays. No significant mineralization. Gradational LC.											
1445					1442.9	1446.4		G	FOL	Med-dark grey metased (6). No lapilli present but poss felsic volc (3). Fine grained. Well foliated. Mod bt wisps. Non-magnetic. 3-4% qz-cb veining w mod ser alt. Sct meth flt splays w light green staining bleeding into host. No sig mineralization.	Gradational LC.						WK		Weak ser assoc w qz-cb vein.
	F018587	1445.6	1446.4	0.009																	
	F018588	1446.4	1447	0.007	1446.4	1453.1	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained. Well foliated. Sct mod grt grains. Locally very weakly magnetic. Mod bt. 5-7% irregular or discontinuous qz-cb veins w minor ser & cb alt. Patchy tr Po assoc w veining. Gradational LC.					MOD						Mod cb assoc w irregular & locally discontinuous qz-cb veining.
	F018589	1447	1447.6	0.013																	
	F018591	1447.6	1448.2	0.019																	
	F018592	1448.2	1449.2	0.04																	
1450	F018593	1449.2	1450.2	0.062																	
1455					1453.1	1459	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w mod white lapilli. Well fol. Mod lcl ms assoc w minor qz-cb veins. Tr patchy Po assoc w veinlets. 1-2% qz-cb veins/veinlets. Abundant weak meth flt splays w light green staining bleeding into host near LC.	Nonmagnetic. Gradational LC.									
	F018594	1459	1459.7	0.006	1459	1461.7	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w mod cg grt. Well foliated. Sporadic green amp alt bands. Locally magnetic (amp bands). Tr Po up to 1% Po localized to area of increased amp bands. Small strong SZ at 1461.2-1461.4m. 3-4% qz-cb veining.	Abundant weak meth flt splays until 1460m. Mod bt wisps. Gradational LC.									
1460	F018595	1459.7	1460.7	0.006																	
	F018596	1460.7	1461.2	0.015											STR						Strong prv cb assoc w SZ.
	F018597	1461.2	1461.7	0.005																	
	F018598	1461.7	1462	0.006	1461.7	1467.2	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Strong SZ from 1461.8-1464m w prv cb alt. Well fol. Tr patchy Po in groundmass. 1-3% qz-cb veining. Weak HZ or poss SZ from 1464.6-1465.1m (patchy cb stringers & mod-strong fol).	Locally very weakly magnetic. Gradational LC.				STR					Strong prv cb assoc w SZ.
	F018599	1462	1463	0.005																	
1465					1467.2	1467.5	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Very weakly magnetic. Mag susc avg is 0.28 and mag susc above & below unit are 0.006 & 0.01 respectively. Highly strained. 1-2% cb & qz-cb veinlets. No significant mineralization. Sharp LC.											
					1467.5	1471	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Well foliated. Highly strained until 1468.1m. Very weakly magnetic w sct green amp alt & cb bands. 1-2% qz-cb veinlets. No significant mineralization. Gradational LC.											
1470					1471	1474.2	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w mod patchy grt grains. Well foliated. 1-3% qz-cb veining. No significant mineralization. Multiple sct meth flt splays w green alt staining host rock; increase in abundance towards gradational LC.	Nonmagnetic. Minor ms assoc w veins.									
1475					1474.2	1484.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. Very weakly magnetic. Sct meth flt splays w green staining from 1480.7-1482m. Tr local Po in groundmass. 1-2% qz-cb veining. Gradational LC.											
1480																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1474.2	1484.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. Very weakly magnetic. Sct meth flt splays w green staining from 1480.7-1482m. Tr local Po in groundmass. 1-2% qz-cb veining. Gradational LC.											
1485					1484.7	1495	6W	G	FOL	Dark grey to black grt-bearing metased (6W). Fg w abund cg grt. Well fol. 2-3% qz-cb veining. Abund methane flt splays from 1492.3-1496m; w mod-strong lcl green staining giving core a brecciated appearance & a purple green colour between 1492.3-1493.5m.	Tr local Po in groundmass. Nonmagnetic. Gradational LC.				MOD						Weak-mod stringer to prv cb alt assoc w HZ.
	F018601	1487.6	1488	0.005																	
	F018602	1488	1489	0.009																	
	F018603	1489	1489.3	0.005																	
1490	F018604	1489.3	1489.7	0.005																	
	F018605	1489.7	1490.2	0.006																	
	F018606	1490.2	1491.2	0.007																	
	F018607	1491.2	1492.2	0.005																	
1495					1495	1499	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant patchy white lapilli. Well foliated. Nonmagnetic. Weak HZ from 1496.3-1498.2m. 3-5% qz-cb veinlets. No significant mineralization. Local abund meth flt splays w green staining.											
1500					1499	1507.7	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w sct white lapilli. Well foliated. Very weakly magnetic (locally). Mod bt. Scattered green alt (amp?) assoc w qz-cb. 5-6% white qz-cb veining. No sig min. Scattered meth flt splays w green alt staining.	Local brittle fracturing/faulting at 1506-1507.5m. Gradational LC.										
1505																					
1510					1507.7	1522	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w sct cg grt. Well foliated. 20cm missing core from 1511.2-1511.4m due to poss flt (or grind; rubbly core remains). 3-5% white qz-cb veining; w local tourmaline. No sig min. Very weakly magnetic.	SZ from 1512.6-1513.2m w abundant qz-cb & green amp alt. Mod bt. Sct meth flt splays w green staining; Mod meth flt splays from 1521-1521.4m. Gradational LC.										
1515																					
1520																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					~~1507.7~~	~~1522~~	~~6W~~	~~G~~	~~FOL~~	Med-dark grey grt-bearing metased (6W). Fine grained w sct cg grt. Well foliated. 20cm missing core from 1511.2-1511.4m due to poss flt (or grind; rubbly core remains). 3-5% white qz-cb veining; w local tourmaline. No sig min. Very weakly magnetic.	SZ from 1512.6-1513.2m w abundant qz-cb & green amp alt. Mod bt. Sct meth flt splays w green staining. Mod meth flt splays from 1521-1521.4m. Gradational LC.										
1525					1522	1530	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w sct white lapilli. Well foliated. Mod brittle faulting at 1523.2-1523.6m (20cm missing core at 1523.4m). Mod brittle fracturing at 1526.5-1530m. Minor mafic dyke at 1529.4-1529.5m. Very weakly magnetic.	Abund bt. 2-3% qz-cb veining. No sig min. Gradational LC.	~~2K~~	Minor mafic dyke (2K). Fine grained. Dark grey-green. Weakly magnetic. Well fol. Sharp UC & LC. No sig veining or min. 10cm wide.								
1530					1530	1530.8	6W	G	FOL	Med grey to grey-green grt-bearing metased (6W). Fine grained mod sct cg grt. Well fol w abundant bt. Very weakly magnetic. Sct green alt bands. 1% qz-cb veining. No sig min. Gradational LC.											
1535					1530.8	1537		G	FOL	Med grey-brown metased (6). Fine grained. Well foliated. Abundant bt. 3-5% white qz-cb veining. No sig min. Very weakly magnetic. Sct meth flt splays. Meth splay (brittle) x-cutting qz vein at 1533.4-1533.8m. Gradational LC.											
1540					1537	1543.1	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod sct white lapilli. Well foliated. Very weakly magnetic. Mod lcl bt. Abund musc. Brittle flt w 20cm missing core between 1537.8-1538.4m. Brittle fracturing after flt (following fabric) until 1539.7m.	Sct minor meth flt splays w green staining. 3-5% white qz-cb veining. Tr lcl Po. Gradational LC.										
1545					1543.1	1545.7	6W	G	FOL	Med-dark grey-brown grt-bearing metased (6W). Fine grained w sct cg grt. Well foliated. Abundant bt. Patchy green amp alt 'bands towards UC. Very weakly magnetic. Sct meth flt splays w light green staining. 1-2% qz-cb veining. Tr Po. Gradational LC.											
					1545.7	1549.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w sct lapilli. Well fol. Sct weak meth flt splays. Strong brittle faulting from 1547-1548m (rubbly/blocky core). Very weakly magnetic. 1% qz-cb veining. Sporadic greenish amp alt assoc w minor qz-cb stringers.	No sig min. Gradational LC.										
1550					1549.5	1552.8	6W	B	FOL	Brown to grey grt-bearing metased (6W). Fine grained w mod pink grt. Well foliated. Abundant bt. Sporadic green amp alt bands. Mod sct meth flt splays w light green staining. 3-4% qz veining. No sig min. Gradational LC.											
1555					1552.8	1556.9		G	FOL	Grey to brown metased (6). Fine grained. Well foliated. Strong greenish-grey SZ (conveyor shear?) w intense prv cb alt from 1553-1555.7m. A strong brittle fault overprints SZ from 1553.1-1553.6m. Mod green amp alt. Weakly magnetic assoc w green amp.	May not be true metased; no grt or lapilli visible; abundant bt present. 1-2% qz-cb veining. Tr local Po towards LC. Gradational LC.				STR						Strong prv cb and mod patches of green amp in shear.
1560					1556.9	1597.6	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w mod sct white lapilli. Well foliated to highly strained (multiple HZ's). Multiple sct weak meth flt splays. Very weakly magnetic. Mod musc. Patchy bt. Tr lcl Po. 10cm missing core due to brittle flt at 1586.3m.	SZ from 1562.2-1562.3m & three between 1583.3-1588.8 w strong prv cb & lcl minor green amp alt. 3-5% qz-cb veining. Minor ultramafic (7cm wide) from 1596.3-1596.4m. Irregular LC.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
															STR						Small SZ.
1565																					
1570																					
1575																					
1580					1556.9	1597.6	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w mod sct white lapilli. Well foliated to highly strained (multiple HZ's). Multiple sct weak meth flt splays. Very weakly magnetic. Mod musc. Patchy bt. Tr lcl Po. 10cm missing core due to brittle flt at 1586.3m.	SZ from 1562.2-1562.3m & three between 1583.3-1588.8 w strong prv cb & lcl minor green amp alt. 3-5% qz-cb veining. Minor ultramafic (7cm wide) from 1596.3-1596.4m. Irregular LC.										
															STR						Strong prv cb assoc w poss small SZ.
1585															STR						Strong prv cb assoc w small poss SZ
															STR						Mod-strong prv cb assoc w small poss SZ.
1590																					
1595													Minor 3F. Fine grained. Foliated to weakly distorted. Sheared and altered LC. No sig min. 3-5% qz-felds (?) veining at UC and LC.								
1600					1597.6	1605.9	1	GG	FOL	Med grey-green to med grey ultramafic (1). Fg. Fol to locally mottled. UM is grey-green at contacts & grades into med grey in the middle. Magnetic. Fabric change between 1602-1603.5m where fabric becomes parallel TCA then changes direction & back again.	1-2% qz-cb veining. No visible min. Minor meth flt splays at 1603.4 & 1604m w orange rust. Two minor 3F units between 1599.1-1599.7m. Possible beige chill margins or SZ at 1599.2-1599.4m. Sharp LC.	3F 3F	Brown-grey 3F. Weakly altered and wavy/folded UC. Sharp LC. No sig veining or min.								

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605					1597.6	1605.9	1	GG	FOL	Med grey-green to med grey ultramafic (1). Fg. Fol to locally mottled. UM is grey-green at contacts & grades into med grey in the middle. Magnetic. Fabric change between 1602-1603.5m where fabric becomes parallel TCA then changes direction & back again.	1-2% qz-cb veining. No visible min. Minor meth flt splays at 1603.4 & 1604m w orange rust. Two minor 3F units between 1599.1-1599.7m. Possible beige chill margins or SZ at 1599.2-1599.4m. Sharp LC.										
1610	F018608	1609.5	1610.5	0.014	1605.9	1652.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w abundant white lapilli tuff. Sporadic grt. Well fol. Sct green amp (magnetic) alt bands. Abund musc throughout. 3-5% qz-cb veins w local green amp; cb; & music alt. Sct meth flt splays w light green staining.	Locally weakly mag. Tr-1% patchy Po assoc w veining and green amp alt bands. Local brittle fracturing w blocky core. Mod ser alt bands between 1627-1628.6m. Mod magnetic green amp alt from 1624.1-1624.9m. Gradational LC.										
	F018609	1610.5	1611.5	0.008																	
	F018611	1611.5	1612.2	0.013																	
	F018612	1612.2	1612.9	0.007																	
	F018613	1612.9	1613.2	0.01																	
	F018614	1613.2	1613.6	0.01																	
	F018615	1613.6	1614.5	0.008																	
1615	F018616	1614.5	1615	0.015																	
1620	F018617	1620.6	1621.6	0.009																	
	F018618	1621.6	1622.6	0.011																	
	F018619	1622.6	1623.2	0.01																	
	F018621	1623.2	1624.2	0.013																	Mod green amp alt in 3F. Weak-mod magnetic.
1625	F018622	1624.2	1625.2	0.021																	
	F018623	1625.2	1626.2	0.016																	
	F018624	1626.2	1627.2	0.009																	
																			MOD		Mod ser 'bands'
1630																					
	F018625	1632.6	1633.6	0.007																	
	F018626	1633.6	1634.6	0.006																	
1635	F018627	1634.6	1634.9	0.008																	
	F018628	1634.9	1635.9	0.007																	
	F018629	1635.9	1636.9	0.005																	
1640																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1645					1605.9	1652.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fg w abundant white lapilli tuff. Sporadic grt. Well fol. Sct green amp (magnetic) alt bands. Abund musc throughout. 3-5% qz-cb veins w local green amp; cb; & music alt. Sct meth flt splays w light green staining.	Locally weakly mag. Tr-1% patchy Po assoc w veining and green amp alt bands. Local brittle fracturing w blocky core. Mod ser alt bands between 1627-1628.6m. Mod magnetic green amp alt from 1624.1-1624.9m. Gradational LC.										
1650																					
1655					1652.5	1659.4	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w sporadic cg grt. Well foliated to locally sheared. Poss conveyor shear from 1654.2-1654.7m & another SZ from 1656.1-1656.8m. 2-3% white qz veining w local green amp alt & ser.	Very weakly magnetic. Tr local Po assoc w alt & veining near SZ. Blocky core at 1654.8-1655m. Local shear bands at 1657m. Numerous sct meth flt splays w light green alt staining. LC is sharp.				STR						Strong cb alt assoc w SZ.
	F018631	1655.3	1656	0.008																	
	F018632	1656	1656.4	0.016											STR				MOD		Strong cb alt assoc w SZ. Weak ser and poss green amp alt assoc w SZ.
	F018633	1656.4	1657.4	0.005																	
	F018634	1657.4	1658.4	0.005																	
	F018635	1658.4	1659.4	0.005																	
	F018636	1659.4	1659.9	0.008																	
1660	F018637	1659.9	1660.3	0.063	1659.4	1668	4F	B	POR BL	Brown/Pink, fg bt groundmass, grt-bt schist (4F) mod internally foliated, mg sub-euhedral porph grts, non-magnetic. Moderate brittle fault from 1664.3-1664.7m. Local weak thin and unmineralized grey qz vein set.	Moderate HZ form UC – 1660.3 causing mod dist and local tr int po min. LC is sharp.										
	F018638	1660.3	1661	0.014																	
	F018639	1661	1662	0.049																	
	F018641	1662	1663	0.014																	
	F018642	1663	1664	0.007																	
	F018643	1664	1665	0.014																	
1665	F018644	1665	1666	0.007																	
	F018645	1666	1667	0.006																	
	F018646	1667	1668	0.007																	
	F018647	1668	1668.8	0.006	1668	1669.1	4E	DG	POR BL	Dark green/pink, aph groundmass, grt-amp schist (4E) local distorted compositional banding, fg-mg an-subhedral porph grts, non-magnetic. Wk 4F banding observed. No veining, ~1% int po mineralization. LC is gradational.											
	F018648	1668.8	1669.1	0.008																	
	F018649	1669.1	1670	0.005	1669.1	1680.9	4F	B	POR BL	Brown/pink, fg bt-rich groundmass, grt-bt schist (4F) wk-mod internally foliated, fg-mg sub-euhedral porph grts, non-magnetic. Grts decrease in size and abundance grading towards LC, mod st development adjacent to LC.	Local HZ's cause moderate white qz flooding and veining. Local 1.5% int po min. LC is sharp.										
1670	F018651	1670	1670.7	0.006																	
	F018652	1670.7	1671.2	0.005																	
	F018653	1671.2	1672	0.006																	
	F018654	1672	1673	0.005																	
	F018655	1673	1674	0.006																	
	F018656	1674	1675	0.008																	
1675	F018657	1675	1676	0.018																	
	F018658	1676	1677	0.013																	
	F018659	1677	1678	0.891																	
	F018661	1678	1679	0.086																	
	F018662	1679	1680	0.014						Light green, fg, mafic metavolcanic (dyke?) (2) massive, non-magnetic. Wk pervasive bt, mod green amp alteration. No veining or mineralization. Minor anhedral porph grts bleeding into unit adjacent to contacts. LC is sharp.											
1680	F018663	1680	1680.9	0.016																	
	F018664	1680.9	1681.4	0.024	1680.9	1681.4	2	LG	MA	Dark green/pink, aph groundmass, grt-amp schist (4E) mod distorted, fg-mg anhedral porph grts, mod magnetic. Wk 4F banding. Unit shows moderate HZ causing white qz veining and ~4% int strain controlled po min associated w both											
	F018665	1681.4	1682.1	0.475	1681.4	1682.9	4E	DG	DIST		4E/4F bands. LC is irregular.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018665	1681.4	1682.1	0.475	1681.4	1682.9	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) mod distorted, fg-mg anhedral porph grts, mod magnetic. Wk 4F banding. Unit shows moderate HZ causing white qz veining and ~4% int strain controlled po min associated w both	4E/4F bands. LC is irregular.										
	F018666	1682.1	1682.9	13.4																	
	F018667	1682.9	1683.3	0.184	1682.9	1686.8	4F	B	POR BL	Brown/pink, fg bt-rich groundmass, grt-bt schist (4F) sub-euhedral cg porph grts, non-magnetic. Local patchy ser alt. Moderate HZ causes mod white qz flooding and semi-continuous 0.5-2.5% int/diss strain controlled po mineralization.	Minor mineralized 4E unit @ 1683.4m, minor unmineralized mafic unit pulled into unit @ 1686.2m. LC is sharp.	4E									
	F018668	1683.3	1683.9	0.251																	
	F018669	1683.6	1684.5	0.051																	
1685	F018671	1684.5	1685.1	0.487																	
	F018672	1685.1	1686.1	1.47																	
	F018673	1686.1	1686.4	0.413																	
	F018674	1686.4	1686.8	0.304																	
	F018675	1686.8	1687.8	0.024																	
	F018676	1687.8	1688.8	0.015																	
1690																					
1695					1686.8	1704.1	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod to well foliated, non-magnetic. Mod to str pervasive bt alteration causing local friable core; local swelling when sprayed w water. Common white qz veining throughout.	Veining increases where local HZ occurs showing parasitic folding. No mineralization. LC is sharp.	2									
1700																					
	F018677	1702.1	1703.1	0.043																	
	F018678	1703.1	1704.1	0.045																	
	F018679	1704.1	1704.9	0.008	1704.1	1720.2	4F	B	POR BL	Brown/pink, fg bt-rich groundmass, grt-bt schist (4F) locally weakly internally foliated, fg-mg sub-euhedral porph grts, non-magnetic. Grts become less abundance and coarser grained adjacent to contacts.	Wk planar unmineralized white qz veining throughout. Local tr-2% int litho hosted po mineralization. LC is gradational.										
1705	F018681	1704.9	1705.7	0.02																	
	F018682	1705.7	1706.3	0.019																	
	F018683	1706.3	1707	0.017																	
	F018684	1707	1708	0.014																	
	F018685	1708	1709	0.017																	
	F018686	1709	1710	0.01																	
1710	F018687	1710	1711	0.014																	
	F018688	1711	1712	0.01																	
	F018689	1712	1713	0.009																	
	F018691	1713	1714	0.008																	
	F018692	1714	1715	0.007																	
1715	F018693	1715	1715.8	0.007																	
	F018694	1715.8	1716.6	0.011																	
	F018695	1716.6	1717.6	0.015																	
	F018696	1717.6	1718.2	0.012																	
	F018697	1718.2	1719.2	0.014																	
	F018698	1719.2	1720.2	0.011																	
1720	F018699	1720.2	1721.2	0.048	1720.2	1723	6W	GG	DIST	Light greenish-grey/pink, fg groundmass, grt-bearing metasediment (6W) mod to str distorted, fg-cg anhedral porph grts, non-magnetic. Mod pervasive green amp alt; poorly developed 4E? Entire unit is containing mod HZ causing irregular	qz-cb veining. 1.5% strain controlled po adjacent to UC. LC is irregular and gradational.										
	F018701	1721.2	1722	0.088																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F018701	1721.2	1722	0.088	1720.2	1723	6W	GG	DIST	Light greenish-grey/pink, fg groundmass, grt-bearing metasediment (6W) mod to str distorted, fg-cg anhedral porph grts, non-magnetic. Mod pervasive green amp alt; poorly developed 4E? Entire unit is containing mod HZ causing irregular Brown/pink, fg groundmass, grt-bt schist (4F) mod distorted, cg sub-euhedral porph grts, non-magnetic. No veining or mineralization. Unit is pulled into core through HZ. LC is sharp. Dark green/pink, aph groundmass, grt-bearing metasediment (6W) mod to str distorted, fg-cg anhedral porph grts, non-magnetic. Str pervasive green amp alt; poorly developed 4E?. Patchy str bt alt. Boudinaged qz-cb veining throughout.	qz-cb veining. 1.5% strain controlled po adjacent to UC. LC is irregular and gradational.										
	F018702	1722	1723	0.01																	
	F018703	1723	1723.5	0.007	1723	1723.5	4F	B	POR BL												
	F018704	1723.5	1724	0.007	1723.5	1726	6W	DG	DIST		No mineralization. LC is irregular.										
1725	F018705	1724	1725	0.005																	
	F018706	1725	1726	0.014																	
	F018707	1726	1727	0.009	1726	1739.2	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) moderately distorted, mg-cg an-subhedral porph grts, non-magnetic. Common HZ's cause patchy silicification and variable grt abundances throughout and local str cb veining.	Patchy 3-6% int/blebby/diss strain controlled po mineralization both litho and vein hosted, local 2% diss asp min. LC is gradational.										
	F018708	1727	1727.4	0.083																	
	F018709	1727.4	1728	0.101																	
	F018711	1728	1728.6	0.009																	
	F018712	1728.6	1728.9	0.007																	
1730	F018713	1728.9	1729.9	0.011																	
	F018714	1729.9	1730.9	0.012																	
	F018715	1730.9	1731.5	1.01																	
	F018716	1731.5	1732.5	4.57																	
	F018717	1732.5	1733	0.028																	
	F018718	1733	1734	0.012																	
	F018719	1734	1735	0.011																	
1735	F018721	1735	1736	0.007																	
	F018722	1736	1737	0.011																	
	F018723	1737	1737.6	0.007																	
	F018724	1737.6	1738.1	0.005																	
	F018725	1738.1	1738.5	0.012																	
	F018726	1738.5	1739.2	0.005																	
	F018727	1739.2	1739.8	0.005	1739.2	1746.2	6W	G	DIST	Light grey/pink, fg groundmass, grt-bearing metasediment (6W) strongly distorted, cg anhedral porph grts, non-magnetic. Wedge 6W, local relict bedding visible. Patchy str bt alteration, mod to str sericite alteration. Local wk green amp alt.	Entire unit is highly strained and heterogenous. Strong silicification. Semi-continuous 3-4% blebby/int po mineralization. LC is sharp.										
1740	F018728	1739.8	1740.3	0.005																	
	F018729	1740.3	1741.3	0.006																	
	F018731	1741.3	1742.3	0.007																	
	F018732	1742.3	1742.9	0.009																	
	F018733	1742.9	1743.9	0.05																	
	F018734	1743.9	1744.8	0.543																	
1745	F018735	1744.8	1745.8	0.074																	
	F018736	1745.8	1746.2	0.005																	
	F018737	1746.2	1747.2	0.172	1746.2	1748.5	6W	B	POR BL	Brown/pink, fg groundmass, grt-bearing metasediment (6W) poorly developed 4F, mod foliated, cg anhedral angular porph grts, non-magnetic. Mod silicification increasing downhole. No mineralization. LC is sharp.											
	F018738	1747.2	1748	0.005																	
	F018739	1748	1748.5	0.005																	
	F018741	1748.5	1749.5	0.005	1748.5	1757.6	2	GG	DIST	Pale greenish-grey, fg, mafic metavolcanic? (2) mod to str distorted, non-magnetic. Patchy str ser alteration, caused by str HZ. Wk pervasive bt alt. HZ causes local grt development. No veining or mineralization. LC is sharp.											
1750	F018742	1749.5	1750.5	0.008																	
1755																					
	F018743	1755.6	1756.6	0.011					POR BL	Dark green/pink, aph groundmass, grt-amp schist (4E) massive groundmass, mg-cg subhedral porph grts, mod magnetic. Local qz-cb vein set develops @ 1757.8m. ~3% diss po mineralization throughout. LC is irregular and z-folded.											
	F018744	1756.6	1757.6	0.016																	
	F018745	1757.6	1757.9	0.122	1757.6	1757.9	4E	DG	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) cg subhedral porph grts decreasing in size grading downhole, non-magnetic. No veining or mineralization. LC is sharp.											
	F018746	1757.9	1758.4	0.047	1757.9	1758.4	4E	B	POR BL	Greenish-grey, fg, metasediment (6) str distorted, non-magnetic. Wedge. Mod silicification, pervasive green amp alt. Common planar qz-cb veining throughout. Entire unit contains HZ. No mineralization. LC is gradational.											
	F018747	1758.4	1759.3	0.013	1758.4	1759.3		GG	DIST												
	F018748	1759.3	1760	0.02	1759.3	1763	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) fg-mg sub-euhedral porph grts, non-magnetic. Planar qz-cb veining throughout associated w local 2% po mineralization. Minor ~3% mineralized 4E unit riding lower contact. LC is sharp.											
1760	F018749	1760	1760.6	0.013																	
	F018751	1760.6	1761	0.084																	
	F018752	1761	1762	0.009																	

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Assay

Depth	Sample	From	To	AU ppm
	F018752	1761	1762	0.009
	F018753	1762	1762.7	0.01
	F018754	1762.7	1763	0.017
	F018755	1763	1763.8	0.011
1760	F018756	1763.8	1764.1	0.077
	F018757	1764.1	1765	0.036
	F018758	1765	1765.6	0.041
	F018759	1765.6	1766.5	0.03
	F018761	1766.5	1767.1	3.39
	F018762	1767.1	1768.1	0.037
	F018763	1768.1	1769.1	0.022
1770				
1775				
1780				
	F018764	1783	1784	0.018
	F018765	1784	1785	0.021
1785	F018766	1785	1785.5	0.013
	F018767	1785.5	1786.2	2.03
	F018768	1786.2	1787.2	0.015
	F018769	1787.2	1788.2	0.011
	F018771	1788.2	1789	0.01
	F018772	1789	1789.9	0.007
1790	F018773	1789.9	1790.9	0.007
	F018774	1790.9	1791.9	0.014
	F018775	1791.9	1792.3	14.7
	F018776	1792.3	1793.3	0.106
	F018777	1793.3	1794.3	0.029
1795				
1800				

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1759.3	1763	4F	B	PORBL	Brown/pink, fg groundmass, grt-bt schist (4F) fg-mg sub-euhedral porph grts, non-magnetic. Planar qz-cb veining throughout associated w local 2% po mineralization. Minor ~3% mineralized 4E unit riding lower contact. LC is sharp.	
1763	1763.8	6W	G	PORBL	Grey/Pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, mg-cg anhedral porph grts, non-magnetic. Moderate qz veining throughout; commonly boudinaged caused by mod HZ. No mineralization. LC is gradational.	
1763.8	1765.6	4E	DG	PORBL	Dark green/pink, aph groundmass, grt-amp schist (4E) mod distorted, mg-cg anhedral porph grts throughout, non-magnetic. Common qz boudins throughout unit caused by mod HZ throughout unit.	Trace diss po mineralization adjacent to both contacts. LC is gradational.
1765.6	1766.5	4F	B	PORBL	Brown/pink, fg bt groundmass. grt-bt schist (4F) mod to str distorted groundmass, cg anhedral porph grts, non-magnetic. Mod HZ continues through unit causing white qz veining (no boudins as seen in previous units). Local s-folding of groundmass.	LC is gradational.
1766.5	1767.1	4E	DG	PORBL DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) mod to str dist, cg anhedral porph grts, mod to str magnetic. Patchy chl alteration, common qz veining. Mod HZ continues through unit. ~6% litho hosted strain controlled po throughout unit.	LC is sharp and irregular.
1767.1	1770.3	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Mod pervasive bt + amp alteration. Mod distortion terminating w HZ @ 1767.6 m. No mineralization. LC is sharp and irregular.	
1770.3	1770.9	QTZ VN	W	MA	Massive white qz flooding caused by HZ. Patchy chl alt, mafic xenoliths. No mineralization. LC is sharp.	
1770.9	1785	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) wk to mod foliated, non-magnetic. Pervasive bt becomes more abundant grading downhole especially where HZ occurs; 1775.4-1782.2 m, causes str qz-cb veining. No mineralization. LC is sharp.	
1785	1785.5	4F	B	PORBL	Brown/pink, fg groundmass, grt-bt schist (4F) cg an-subhedral porph grts, non-magnetic. Wk 4e banding hosting tr int po min. LC is gradational.	
1785.5	1786.2	4E	DG	PORBL DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) mod distorted to planar alternating laminae. non to mod magnetic locally. Unit shows HZ causing z-folding of bands. ~4% po mineralization both litho hosted and associated w grey qz veins. LC is sharp.	
1786.2	1788.2	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Mod pervasive bt+amp alteration. Grey qz veining continues down to 1787.2m; unmineralized. LC is sharp.	
1788.2	1791.9	13	BK	MA	Black, mg, lamp dyke (13) massive, mod magnetic. Strong pervasive cb alteration. No veining or mineralization. LC is sharp.	
1791.9	1792.3	4E	DG	BA	Dark green/pink, aph groundmass, grt-amp schist (4E) mod planar banding, mg porph and agglomerated grts, non-magnetic. Mod grey qz veining throughout unit. ~8% int po mineralization throughout generally associated w agglomerated grts. LC is sharp.	
1792.3	1802	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated to mottled, non-magnetic. Local pervasive silica alt causing mottled texture, mod pervasive green amp + bt alt. Brittle faulting observed w friable cg fault gouge. No mineralization.	LC is sharp.

MINOR UNIT

Unit	Comments
4E	mineralized

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-011

Assay

Depth	Sample	From	To	AU ppm
1805				
1810				
	F018778	1810.2	1811.2	0.33
	F018779	1811.2	1812.2	0.183
	F018781	1812.2	1812.6	0.053
	F018782	1812.6	1813.2	0.765
	F018783	1813.2	1813.9	1.86
	F018784	1813.9	1814.9	0.02
1815	F018785	1814.9	1815.6	0.016
	F018786	1815.6	1816.5	0.01
	F018787	1816.5	1817.3	0.006
	F018788	1817.3	1818.2	0.007
	F018789	1818.2	1819.2	0.009
	F018791	1819.2	1819.9	0.041
1820	F018792	1819.9	1820.9	0.014
	F018793	1820.9	1821.5	0.023
	F024494	1821.5	1822.5	3
	F024495	1822.5	1823.3	0.22
	F024496	1823.3	1823.9	0.022
	F024497	1823.9	1824.9	0.049
1825	F024498	1824.9	1825.8	0.275
	F024499	1825.8	1826.8	0.248
	F024501	1826.8	1827.8	0.032
	F024502	1827.8	1828.2	0.043
	F024503	1828.2	1829.2	2.416
	F024504	1829.2	1830.2	2.988
1830	F024505	1830.2	1830.9	1.58
	F024506	1830.9	1831.4	1.367
	F024507	1831.4	1832.4	0.045
	F024508	1832.4	1833.3	0.043
	F024509	1833.3	1834	0.139
	F024511	1834	1834.9	0.445
1835	F024512	1834.9	1835.9	0.524
	F024513	1835.9	1836.9	0.042
	F024514	1836.9	1837.6	0.047
	F024515	1837.6	1838.6	0.387
	F024516	1838.6	1839.2	0.062
	F024517	1839.2	1840.1	0.047
1840	F024518	1840.1	1841.1	0.261
	F024519	1841.1	1842.1	4.147

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1792.3	1802		GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated to mottled, non-magnetic. Local pervasive silica alt causing mottled texture, mod pervasive green amp + bt alt. Brittle faulting observed w friable cg fault gouge. No mineralization.	LC is sharp.
1802	1806		G	FOL	light grey-beige, fg, mod fol, 1-2% thin carb stringers, mod pervasive bt alt, wk patchy fuchsite alt, could be irregular mafic unit? sharp lower contact	
1806	1812.2	2	GG	FOL	med grey-green, fg, mod fol, localized cg green amph minerals proximal to 3% 1-4cm thick carb stringers, strong pervasive bt alt, sharp lower contact	
1812.2	1813.9	4E	DG	POR BL	Dark green, fg, mod-strong fabric, high strain throughout, moderate mg-cg grt porph, hosts up to 7% s-ma/str/dis po with ~10% qz flooding, sharp lower contact	
1813.9	1815.6	2	B	FOL	dark grey-green-brown, very strong pervasive bt alt, 30% 1-3cm thick carb stringers with local cg green amph, possible 6?, sharp lower contact	
1815.6	1819.2	6W	B	LA	dark grey-brown, fg, strong pervasive bt alt, 2% thin carb stringers with localized mg green amph association, mod lower angle fabric, gradational lower contact	
1819.2	1819.9	4E	B	POR BL	Dark green, aph amp groundmass, grt-amp IF (4E) mod distorted, mg-cg porph grts. Moderate 4F banding. 1% dis po, <5% qz flooding, sheared lower contact. Wk local gru development associated w agglomerated grts.	
1819.9	1821.5	6W	B	LA	dark grey-brown, fg, mod sheared, 35% thin carb stringers with mg green amph, trace dis po, increase in garnets at depth, gradational lower contact	
1821.5	1823.3	4F	B	POR BL	dark brown, fg, bt matrix, mg-cg grt porph, hosts local grey qz vein with 3% dis/str po, localized high strain decreasing at depth, gradational lower contact	
1823.3	1823.9		B	LA	dark grey-brown, fg, mod wk fabric, equigranular, no visible garnets except on gradational contacts	
1823.9	1824.9	4F	B	POR BL	dark brown, fg, bt matrix, mg-cg grt, trace to 0.5% dis po, localized green amph grt-amph band, gradational lower contact	
1824.9	1833.3	4EA	G	POR BL	dark grey and green, fg, gru-amph with grt-chert, grts range from mg to large, mod distorted with alternating bands, patchy wk-mod mag, mod strain throughout, hosts up to 7% dis/str po and 25% grey qz flooding, grunerite decreasing at depth,	gradational/transitional lower contact
1833.3	1837.6	4BF	B	POR BL	dark grey-green-brown chert-mag with grt-bt bands, fg, mod distorted to well banded, ~20% grey qz flooding, up to 5% dis/str po, hosts wk gru alteration proximal to both contacts, gradational lower contact	
1837.6	1839.2	4EA	G	POR BL	dark grey and green, fg, gru-amph with grt-chert, overall mod to well banded, ~1% dis po throughout, patchy mod mag, wk strain, grunerite decreasing at depth, gradational/transitional lower contact	
1839.2	1848	4BF	B	POR BL	dark grey-green and brown, chert-mag with grt-bt bands, fg to aph, moderate distorted with localized well banding, hosts up to 35% veining with 7% dis/str po, strong mag, 1% thin carbonate stringers, gradational contact	

MINOR UNIT

Unit	Comments

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1214.5	Wedge hole no log														
25																					
30																					
35																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1214.5	Wedge hole no log														
65																					
70																					
75																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1214.5	Wedge hole no log														
105																					
110																					
115																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1214.5	Wedge hole no log														
145																					
150																					
155																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1214.5	Wedge hole no log														
185																					
190																					
195																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1214.5	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1214.5	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1214.5	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1214.5	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1214.5	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1214.5	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1214.5	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1214.5	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1214.5	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1214.5	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1214.5	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1214.5	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1214.5	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1214.5	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1214.5	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1214.5	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1214.5	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1214.5	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1214.5	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1214.5	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1214.5	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1214.5	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1214.5	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1214.5	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-012

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1214.5	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205					0	1214.5	Wedge hole no log														
1210																					
1215					1214.5	1248.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) mod to well foliated, non-magnetic. Bands of mod ser alt, fg feldspathic lapilli weakly attenuated along foliation, intercalated 6W observed. Common white qz planar veining throughout locally boudinaged.	No mineralization. LC is gradational.										
1220																					
1225																					
1230																					
1235																					
1240																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245					1214.5	1248.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) mod to well foliated, non-magnetic. Bands of mod ser alt, fg feldspathic lapilli weakly attenuated along foliation, intercalated 6W observed. Common white qz planar veining throughout locally boudinaged.	No mineralization. LC is gradational.										
1250					1248.7	1258.8	6W	B	POR BL	Brownish-grey, fg groundmass, grt-bearing metasediment (6W) mod foliated, mg-cg anhedral porph grts, non-magnetic. Fg staurolite becoming more abundant grading downhole. Intercalated ser alt 3F bands observed. Local trace diss po min. LC is gradational.											
1255																					
	F028501	1257.5	1258.2	0.005																	
	F028502	1258.2	1258.8	0.005																	
	F028503	1258.8	1259.5	0.005	1258.8	1260.5		B	FOL	Brown, fg, metasediment (6) mod foliated, non-magnetic. Intense abundance of fg staurolite polluting groundmass. Local insignificant qz veining. ~4% threaded/diss po min from 1259.5-1260.5m. LC is sharp and marked at vein.											
1260	F028504	1259.5	1260.5	0.287																	
	F028505	1260.5	1261.5	1.05	1260.5	1263.5		W	DIST	White/grey, fg groundmass, metasediment? (6) mod to str dist, non-magnetic. Unit is strongly sheared causing qz-fds flooding? With the veining being partially digested/altered by sericite leaving orbicular feldspar crystals throughout.	Thick books of muscovite and bt are observed throughout. No mineralization. LC is sharp and marked at vein.										
	F028506	1261.5	1262.5	0.013																	
1265					1263.5	1276.2		G	FOL	Brownish-grey, fg, metasediment (6) mod foliated, non-magnetic. Fg st polluted through groundmass decreasing in abundance grading downhole. White qz planar veining observed. Local trace diss po min. Local white qz vein set.	Mod HZ from 1275.6-LC causing pale green amp alt from hydrothermal fluid pathways. LC is sharp and irregular.										
1270																					
1275					1276.2	1276.6	B	W	FOL	Intense cb flooding, non-magnetic. Fg bt crystals, 3F xenoliths, no mineralization, caused by HZ. LC is sharp.											
							Vein														
					1276.6	1304.2	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Variable ser alt ranging from wk to str; banded locally. Fg feldspathic lapilli locally weakly attenuated along foliation axis. Common planar white qz veining, no mineralization.	LC is faulted.										
1280																					

19-NSD-012

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
					1276.6	1304.2	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Variable ser alt ranging from wk to str; banded locally. Fg feldspathic lapilli locally weakly attenuated along foliation axis. Common planar white qz veining, no mineralization.	LC is faulted.										
1295																					
1300																					
					1304.2	1304.7	2K	LG	MA	Light green, fg, mafic dyke (2K) massive, non-magnetic. Wk pervasive bt. Local irregular qz-cb veining, no mineralization. LC is sharp.											
1305					1304.7	1306.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Abundant fg feldspathic lapilli. Common wk planar white qz veins. NO mineralization. LC is sharp.											
					1306.7	1307.4	2K	LG	MA	Light green, fg, mafic dyke (2K) massive, non-magnetic. Absent to wk pervasive bt alt. Common planar unmineralized white qz veining. No mineralization. LC is sharp.											
1310																					
1315					1307.4	1332.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Common fg feldspathic lapilli locally weakly attenuated along foliation groundmass. Common unmineralized planar white qz veining. Brittle faulting w cg fault gouge from 1321.4-1322.6m.	Local HZ causing int cb flooding from 1326.5-1327.1. Str sericitization due to HZ from 1328.5-1330.2. Wk brecciation w ser halos. No min. LC is gradational.										
1320																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325					1307.4	1332.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Common fg feldspathic lapilli locally weakly attenuated along foliation groundmass. Common unmineralized planar white qz veining. Brittle faulting w cg fault gouge from 1321.4-1322.6m.	Local HZ causing int cb flooding from 1326.5-1327.1. Str sericitization due to HZ from 1328.5-1330.2. Wk brecciation w ser halos. No min. LC is gradational.									
1330																					
1335					1332.7	1337.2	6W	G	POR BL	Grey/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, mg-cg anhedral porph grts locally weakly attenuated along foliation axis, non-magnetic. No veining or mineralization. LC is gradational.											
1340					1337.2	1343.6	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod to str sericitization, mg sub-rounded feldspathic lapilli become more abundant grading towards LC. No mineralization. LC is sharp.											
1345												2									
1350					1343.6	1354.4	1	G	FOL	Light grey, fg, ultramafic (1) mod foliated, wk-mod magnetic. Str pervasive tlc + srp alteration causing soft rock and soapy texture. Minor unmineralized mafic unit riding upper contact. Local mg anhedral chromite grains from 1347-1348.5m.	No mineralization. LC is diffuse and measured on foliation.										
1355					1354.4	1361	2	LG	MA	Light green, fg, mafic metavolcanic (2) massive to mod dist, non-magnetic. Weak mg bt alteration. Mod HZ develops @ 1359.3m and causes mod cb veining. No mineralization. LC is sharp.											
1360					1361	1388.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod banded to pervasive ser alt. Fg feldspathic lapilli commonly attenuated along foliation axis. Common irregular to planar white qz veining.	Minor unmineralized mafic unit @ 1365.8 m. Trace threaded asp + po mineralization. LC is sharp.										

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365												2									
1370																					
1375					1361	1388.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod banded to pervasive ser alt. Fg feldspathic lapilli commonly attenuated along foliation axis. Common irregular to planar white qz veining.	Minor unmineralized mafic unit @ 1365.8 m. Trace threaded asp + po mineralization. LC is sharp.										
1380																					
1385																					
	F028507	1386.3	1387.3	0.006																	
	F028508	1387.3	1388.3	0.005																	
	F028509	1388.3	1388.6	0.69						Brown/pink/pale green, fg groundmass, grt-bt schist (4F) mod distorted, mg porph grts, non-magnetic. Mod HZ from UC-1388.7 m causing green amp alt and minor qz veining. ~4% blebby po min associated w alteration and veining in HZ.											
	F028511	1388.6	1388.9	0.123	1388.3	1388.9	4F	B	DIST		LC is gradational; grts become less abundant grading downhole.										
	F028512	1388.9	1389.9	0.012																	
1390	F028513	1389.9	1390.9	0.006																	
1395					1388.9	1402.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. HZ causes mod-str pervasive ser alt, and attenuation of groundmass. Fg feldspathic lapilli observed throughout. No significant veining or visible mineralization. LC is sharp.										
1400																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F028514	1401.6	1402	0.005	1388.9	1402.8	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. HZ causes mod-str pervasive ser alt, and attenuation of groundmass. Fg feldspathic lapilli observed throughout. No significant veining or visible mineralization. LC is sharp.											
	F028515	1402	1402.8	0.005																	
	F028516	1402.8	1403.6	0.006	1402.8	1403.6	6W	G	DIST	Light grey/white, fg groundmass, grt-bearing metasediment? (6W) mod dist/foliated, non-magnetic. Cg anhedral porph grts being overprinted by str alteration caused by intense HZ. No visible mineralization. LC is sharp.											
	F028517	1403.6	1404.6	0.174	1403.6	1406.3	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mg subhedral porph grts, non-magnetic. Weak local 4E banding locally hosting blebby po min. Local z-folding observed in groundmass and insignificant qz vein set. LC is sharp.											
1405	F028518	1404.6	1404.9	0.039																	
	F028519	1404.9	1405.9	0.022																	
	F028521	1405.9	1406.3	0.008																	
	F028522	1406.3	1407.3	0.008	1406.3	1407.3	6W	G	POR BL	Grey/pink, fg groundmass, grt-bearing metasediment (6W) mod dist, mg an-subhedral porph grts, non-magnetic. Wk green amp alt, unit hosts moderate HZ. No visible mineralization. LC is gradational as more bt is introduced into core.											
	F028523	1407.3	1408	0.005	1407.3	1414.3	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) locally compositionally banded, fg-mg sub-euhedral porph grts, non-magnetic. No significant veining or visible mineralization. Minor unmineralized 4E unit riding LC. LC is sharp.											
	F028524	1408	1409	0.007																	
	F028525	1409	1410	0.009																	
1410	F028526	1410	1411	0.008																	
	F028527	1411	1412	0.005																	
	F028528	1412	1413	0.008																	
	F028529	1413	1414	0.008																	
	F028531	1414	1414.3	0.033								4E									
1415	F028532	1414.3	1415.3	0.007	1414.3	1442.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod-str banded ser alt. Common qz-cb planar veining. Local po stringers. mod methane faulting w hematite staining, local HZ w intense cb flooding. No visible mineralization.	LC is gradational.										
	F028533	1415.3	1416.3	0.005																	
1420																					
1425																					
1430																					
1435																					
1440																					
	F028534	1440.7	1441.7	0.005																	

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Assay

Depth	Sample	From	To	AU ppm
	F028534	1440.7	1441.7	0.005
	F028535	1441.7	1442.7	0.005
	F028536	1442.7	1443.7	0.027
	F028537	1443.7	1444	0.016
	F028538	1444	1444.8	0.008
1445	F028539	1444.8	1445.4	0.007
	F028541	1445.4	1446	0.006
	F028542	1446	1447	0.006
	F028543	1447	1448	0.005
	F028544	1448	1449	0.005
	F028545	1449	1450	0.005
1450	F028546	1450	1451	0.005
	F028547	1451	1452	0.007
	F028548	1452	1452.3	0.005
	F028549	1452.3	1453.2	0.037
	F028551	1453.2	1454	0.005
	F028552	1454	1454.7	0.005
1455	F028553	1454.7	1455.7	0.037
	F028554	1455.7	1456.4	0.006
	F028555	1456.4	1457	0.005
	F028556	1457	1457.3	0.007
	F028557	1457.3	1458	0.012
	F028558	1458	1459	0.005
	F028559	1459	1460	0.015
1460	F028561	1460	1461	0.097
	F028562	1461	1462	0.172
	F028563	1462	1463	0.013
	F028564	1463	1464	0.049
	F028565	1464	1464.7	3.07
1465	F028566	1464.7	1465.3	5.82
	F028567	1465.3	1465.6	17.6
	F028568	1465.6	1465.9	144
	F028569	1465.9	1466.2	14.9
	F028571	1466.2	1467	0.224
	F028572	1467	1467.7	0.032
	F028573	1467.7	1468.3	0.026
	F028574	1468.3	1469.3	0.011
1470	F028575	1469.3	1470.3	0.013
1475	F028639	1475	1475.8	0.298
	F028641	1475.8	1476.4	1.4
	F028642	1476.4	1477	0.027
	F028643	1477	1477.7	0.07
	F028644	1477.7	1478.5	0.007
	F028645	1478.5	1479.5	0.009
1480	F028646	1479.5	1480.5	0.049

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1414.3	1442.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Mod-str banded ser alt. Common qz-cb planar veining. Local po stringers. mod methane faulting w hematite staining, local HZ w intense cb flooding. No visible mineralization.	LC is gradational.
1442.7	1443.7	6W	G	FOL	Grey/pale green/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated, mg anhedral porph grts, non-magnetic, Patchy chl alteration caused by white qz flooding, ~3% po min hosted in veins and alteration patches. LC is sharp.	
1443.7	1452.3	4F	B	POR BL	Brown/Pink, fg groundmass, grt-bt schist (4F) fg-mg sub-euhedral porph grts, moderately internally foliated, non-magnetic. Local mod HZ's causing mod white qz flooding hosting tr amounts of po min. Minor 4E riding upper contact hosting trace po	min. LC is gradational.
1452.3	1453.2	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) mod distorted, fg-mg an-subhedral porph grts, locally weakly magnetic. Minor irregular patches of poorly developed 4E being brought into unit from mod HZ.	Wk irregular/boudinaged white qz veining. ~2% blebby/int po mineralization throughout. LC is sharp.
1453.2	1454.7	QTZ VN	W	MA	Fg massive qz vein, non-magnetic. Local trace po min infilling microfractures, LC is sharp.	
1454.7	1456.4	4FE	B	BA	Brown/green/Pink, fg groundmass, grt-bt schist w abundant (~35%) bands of grt-amp schist (4FE) planar alternating banding (~3-5cm wide bands), fg-mg subhedral grts, non-magnetic. 4E bands seem to have downward coarsening of grts.	Local wk z-folding. Trace contact controlled po on UC. LC is gradational.
1456.4	1465.3	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) local weak compositional banding, fg-mg porph grts, non-magnetic. Patchy mod HZ's causing mod white qz flooding locally hosting ~4% strain controlled po min. LC is sharp and marked at qz vein.	
1465.3	1465.6	6W	B	POR BL	Brown/pink, fg groundmass, grt-bearing metasediment (6W) massive bt rich groundmass, fg porph grts, non-magnetic. Wk qz flooding, local vein hosted po min. LC is sharp.	
1465.6	1466.2	4E	DG	DIST	Dark green/pink, aph groundmass, grt-apm schist (4E) mod to strongly distorted, fg-mg anhedral porph grts, non-magnetic. Mod to str HZ causing mod qz flooding and strain controlled/vein and litho hosted po ranging from 12-30% w 8 specks vein	hosted VG. LC is sharp.
1466.2	1468.3	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) fg-mg subhedral porph grts, local wk compositional banding, non-magnetic. Wk qz veining. No mineralization. LC is sharp.	
1468.3	1473.6	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) well foliated, non-magnetic. Wk pervasive bt alt. ~2% planar qz-cb veining. No mineralization. Local mod brittle fault causing friable fault gouge. No mineralization. LC is sharp.	
1473.6	1474.3	6W	B	POR BL	Brown/pink, fg groundmass, grt-bearing metasediment (6W) well internally foliated, cg anhedral porph grts, non-magnetic. Loss of grts adjacent to contacts. Minor planar qz veining. No mineralization. LC is sharp.	
1474.3	1475.8	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) well foliated, non-magnetic. Weak pervasive bt + amp alt. Weak planar qz cb veining. No mineralization. LC is sharp.	
1475.8	1477	1	G	FOL	Grey, fg, ultramafic dyke (1) mod foliated, mod magnetic. Wk pervasive amp alt. Str tlc alteration causing soft rock and soapy texture. No veining or mineralization. LC is sharp.	
1477	1478.5	4F	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, mg-cg anhedral porph grts, non-magnetic. Thin abundant planar qz veining. No visible mineralization. LC is sharp.	
1478.5	1495	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk pervasive bt + amp alt. Common planar qz-cb veining throughout. Mod brittle fault from 1491.3-1492.1 m, weak healed brecciation from 1492.6-1493.4 m.	No mineralization. LC is sharp.

MINOR UNIT

Unit	Comments
4E	

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485																					
1490					1478.5	1495	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk pervasive bt + amp alt. Common planar qz-cb veining throughout. Mod brittle fault from 1491.3-1492.1 m, weak healed brecciation from 1492.6-1493.4 m.	No mineralization. LC is sharp.										
	F028647	1493	1494																		
	F028648	1494	1495	0.009																	
	F028649	1495	1496	0.008																	
1495	F028651	1496	1496.6	0.221						Dark green/pink, aph groundmass, grt-amp + chert schist (4E) planar alternating bands, fg-mg anhedral and attenuated porph grts, non-magnetic. Local wk qz-cb veinlets parallel to foliation. ~0.75% diss/int po min. LC is sharp.											
	F028652	1496.6	1497.3	0.005	1495	1496	4E	DG	BA	Grey, fg, mafic metavolcanic (2) weakly foliated to massive, non-magnetic. Wk pervasive bt alt, common planar qz veining. Brittle faulting @ 1497.3 m where minor mineralized 4E unit occurs. LC is sharp.											
	F028653	1497.3	1497.6	0.009																	
	F028654	1497.6	1498.2	0.018	1496	1498.2	2	G	FOL	Dark green/pink, aph groundmass, grt-amp schist (4E) mod dist to planar alternating bands, fg-mg agglomerated and attenuated porph grts, non-magnetic. Entire unit goes through mod HZ causing mod qz flooding and 1-5% strain controlled po. LC is sharp.		4E									
	F028655	1498.2	1498.7	0.005																	
	F028656	1498.7	1499.3	1.02																	
	F028657	1499.3	1499.6	1.71	1498.2	1499.3	4E	DG	BA	Grey, fg, weakly foliated to massive, non-magnetic. Wk pervasive bt alteration. Wk irregular cb veining caused by HZ. No mineralization. LC is sharp and irregular.											
	F028658	1499.6	1499.9	0.006	1499.3	1499.6	2	G	FOL												
1500	F028659	1499.9	1500.2	0.005																	
	F028661	1500.2	1500.8	0.022	1499.6	1501.4	4E	BE	DIST	Beige/green/pink, aph groundmass, grt-amp schist (4E) mod to strongly distorted, mg-cg subhedral agglomerated porph grts, non-magnetic. Wk local grt-bt banding. Unit shows mod HZ causing qz flooding and cb alteration. Brown/pink, fg groundmass, grt-bt schist (4F) wk compositional banding, fg-mg subhedral porph grts, non-magnetic. No veining. Local trace po min. LC is gradational.	Minor unmineralized grt-bearing mafic dyke w sharp contacts @ 1500 m. ~1.5% int/diss stain controlled po min associated w agglomerated grts. LC is gradational.	2K	grt development								
	F028662	1500.8	1501.4	0.063																	
	F028663	1501.4	1502	0.056	1501.4	1502	4F	B	POR BL DIST												
	F028664	1502	1502.7	7.83	1502	1503	4E	BE													
	F028665	1502.7	1503	0.033																	
	F028666	1503	1504	0.012																	
	F028667	1504	1505	0.098																	
1505																					
1510					1503	1519.4	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. HZ terminates @ 1505.1m pulling in grts from overlying unit? Wk planar qz-cb veining. Mod to str brittle fault @ 1517.3 m. No mineralization. LC is sharp.											
1515																					
	F028668	1517.4	1518.4																		
	F028669	1518.4	1519.4	0.038																	
	F028671	1519.4	1519.8	0.011																	
	F028672	1519.8	1520.3	0.017																	
1520	F028673	1520.3	1520.7	0.025																	
	F028674	1520.7	1521.6	0.014	1519.4	1522.5	4E	BE	DIST	Beige/green/pink, aph groundmass, grt-amp schist (4E) mod to strongly dist, cg subhedral porph grts, locally mod magnetic. Unit shows mod HZ causing wk qz flooding and controlling semi-continuous 2-7% int/wispy po mineralization generally	associate w qz flooding and agglomerated grts. LC is sharp.										
	F028675	1521.6	1522.5	6.65																	
				19.5																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F028675	1521.6	1522.5	19.5	1519.4	1522.5	4E	BE	DIST	Beige/green/pink, aph groundmass, grt-amp schist (4E) mod to strongly dist, cg subhedral porph grts, locally mod magnetic. Unit shows mod HZ causing wk qz flooding and controlling semi-continuous 2-7% int/wispy po mineralization generally	associate w qz flooding and agglomerated grts. LC is sharp.										
	F028676	1522.5	1523.5	0.047																	
	F028677	1523.5	1524.5	0.093																	
1525					1522.5	1529.9	1	G	DIST	Light grey, fg, ultramafic (1) massive to weakly foliated to mod distorted, mod magnetic. Strong pervasive tlc + srp alteration. Mod HZ causes wispy str tlc. No veining or mineralization. LC is sharp.											
1530					1529.9	1537.4	2	DG	FOL	Dark green, fg, mafic metavolcanic (2) weakly foliated, non-magnetic. Mod pervasive amp alteration. Patchy tlc alt bleeding into unit from surrounding UM's. Wk white qz crack seal veining.	Local wk fg grt development associated w tr threaded/diss po min. LC is diffuse.										
1535																					
1540					1537.4	1553.6	1	G	MA	Light grey, fg, ultramafic (1) massive to weakly distorted, mod magnetic. Mod pervasive tlc alt, causing soapy texture, unit becomes more silicified? Grading downhole causing rock to become harder, remains magnetic. No veining or mineralization.	LC is diffuse.										
1545																					
1550																					
1555					1553.6	1557.4	2	LG	MA	Light green, fg, mafic metavolcanic? (2) massive, non-magnetic. Wk pervasive amp. Logged as 2 because unit is distinctly more green than surrounding UM. Common crack seal cb veining dipping both directions. No mineralization.	LC is diffuse and marked where magnetism picks up.										
					1557.4	1561.5	1	LG	MA	Pale light green, fg, ultramafic (1) massive to mod dist, mod magnetic. Wk pervasive tlc alt, wk pervasive amp. Local tension gashes shallowly x-cutting foliation. Mod HZ develops @ 1561m. No mineralization. LC is sharp.											
1560	F028678	1559.5	1560.5	0.051																	
	F028679	1560.5	1561.5	0.07																	
	F028681	1561.5	1561.9	0.627	1561.5	1561.9	4E	BE	DIST	Beige/green/pink, aph groundmass, grt-amp ITF (4E) well developed alternating bands, mod dist and s-folded, non-magnetic. Cg porph grts. Trace int po mineralization throughout unit. LC is sharp.											

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Assay

Sample	From	To	AU ppm
F028681	1561.5	1561.9	0.627
F028682	1561.9	1562.3	0.03
F028683	1562.3	1562.6	0.065
F028684	1562.6	1562.9	0.334
F028685	1562.9	1563.2	2.11
F028686	1563.2	1563.5	1.38
F028687	1563.5	1563.8	0.088
F028688	1563.8	1564.1	0.058
F028689	1564.1	1564.8	0.014
F028691	1564.8	1565.8	0.015
F028692	1565.8	1566.8	0.012
F028693	1573.3	1574.3	0.005
F028694	1574.3	1575.3	0.005
F028695	1575.3	1576	0.011
F028696	1576	1576.7	0.008
F028697	1576.7	1577.5	0.005
F028698	1577.5	1578.5	0.006
F028699	1578.5	1579.5	0.005
F028701	1579.5	1579.8	0.007
F028702	1579.8	1580.4	0.28
F028703	1580.4	1581	0.352
F028704	1581	1581.6	0.062
F028705	1581.6	1582.1	0.038
F028706	1582.1	1582.7	1.83
F028707	1582.7	1583.4	2.03
F028708	1583.4	1584	0.187
F028709	1584	1585	3.24
F028711	1585	1585.4	5.37
F028712	1585.4	1586.2	0.434
F028713	1586.2	1586.5	0.045
F028714	1586.5	1587	0.975
F028715	1587	1588	0.48
F028716	1588	1589	0.04
F028717	1589	1589.4	0.043
F028718	1589.4	1590	0.214
F028719	1590	1591	0.018
F028721	1591	1592	0.008
F028722	1592	1593	0.012
F028723	1593	1593.3	0.074
F028724	1593.3	1594.1	0.422
F028725	1594.1	1595.1	0.128
F028726	1595.1	1596.1	0.038

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1561.5	1561.9	4E	BE	DIST	Beige/green/pink, aph groundmass, grt-amp ITF (4E) well developed alternating bands, mod dist and s-folded, non-magnetic. Cg porph grts. Trace int po mineralization throughout unit. LC is sharp.	
1561.9	1562.3	1	GG	MA	Light greenish-grey, fg, ultramafic (1) massive, mod to str magnetic. Local insignificant planar cb vein. Wk to absent tlc, mod silicified? No mineralization. LC is sharp.	~1.5% int po mineralization. LC is sharp.
1562.3	1564.8	4E	BE	DIST	Beige/pink/green, aph groundmass, grt-amp ITF (4E) mod dist alternating bands, non-magnetic. Unit is highly strained causing multiple minor and unmineralized UM's to be folded into core. HZ causes local qz flooding and mod s-folding.	
1564.8	1567.4	1	GG	MA	Light greenish-grey, fg, ultramafic (1) massive, mod to strongly magnetic. Mod pervasive green amp and silicified causing hard rock. HZ develops @ 1566.6 m causing str foliation; possible relict folding of digested metaseds (strongly magnetic)?	No mineralization. LC is sharp.
1567.4	1568.4	6W	G	DIST	Grey/pink, fg groundmass, grt-bearing metasediment (6W) mod dist, fg porph grts throughout, non-magnetic. Unit is partially digested by UM dyke surrounding causing strongly altered groundmass. Local trace py min. LC is sharp.	
1568.4	1575.3	1	GG	MA	Light greenish-grey, fg, ultramafic (1) massive to weakly foliated, mod to strong magnetism (increasing grading downhole). Str foliation/relict bedding? Seen locally from 1569.1-1569.5 m; strongly magnetic. No mineralization. LC is sharp.	
1575.3	1576.7	6W	LG	POR BL	Brownish-grey/pink, fg groundmass, grt-bearing metasediment (6W) mod internally foliated, cg anhedral porph grts, non-magnetic. Moderate banding develops towards LC w mod amphibole abundance. Local trace diss po. LC is sharp.	
1576.7	1579.8	1	G	DIST	Grey, fg, ultramafic (1) strongly foliated and distorted, non-magnetic. Picrite? Int wispy bt, intense tlc alteration. No veining or mineralization. Minor 10cm unmineralized mafic unit riding LC. LC is sharp.	
1579.8	1590	4E	BE	DIST	Beige/green/blue, aph groundmass, grt-amp iron formation (4E) well developed alternating bands, strongly distorted, cg porph grts, mod magnetic. Entire unit shows HZ causing moderate qz flooding.	Local minor 4F banding, local extended chert band adjacent to strong tlc alt. Semi-continuous 3-8% strain controlled po min hosted in both litho and qz flooding. LC is sharp.
1590	1594.1	6W	G	POR BL	Grey/pink, fg groundmass, grt-bearing metasediment (6W) mod foliated and distorted, fg-cg porph grts, non-magnetic. Unit is highly strained causing str cb flooding. Minor 4E unit hosting ~5% diss po min @ 1593.1m. LC is sharp.	
1594.1	1610.7	2	GG	DIST	Light greenish-grey, fg, mafic metavolcanic (2) mod to strongly distorted, non-magnetic. Patchy strong HZ's causing patchy tlc alt, wispy bt, and boudinaged qz-cb veining. No mineralization. LC is sharp.	

MINOR UNIT

Unit	Comments
1	
1	
1	
2	
4E	

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605					1594.1	1610.7	2	GG	DIST	Light greenish-grey, fg, mafic metavolcanic (2) mod to strongly distorted, non-magnetic. Patchy strong HZ's causing patchy tlc alt, wispy bt, and boudinaged qz-cb veining. No mineralization. LC is sharp.											
1610					1610.7	1611.8		B	MA	Brownish-grey, fg, metasediment (6) mod dist to massive, non-magnetic. Strong bt abundance through groundmass, abundant qz sweats throughout typically associated w metaseds. No mineralization. LC is sharp.											
1615					1611.8	1631	2	GG	DIST	Light greenish-grey, fg, mafic metavolcanic (2) mod to strongly distorted, non-magnetic. Wk pervasive bt, patchy mod HZ's causing irregular unmineralized qz-cb veining and shallow isoclinal folding TCA. No mineralization. LC is sharp.											
1620																					
1625																					
	F028727	1629	1630	2						Beige/blue/pink, aph groundmass, grt-amp + chert schist (4E) strongly distorted, cg porph agglomerated grts, non-magnetic. Abundant gru development. Unit shows mod-str HZ controlling ~1.5% int po mineralization. LC is gradational.											
1630	F028728	1630	1631	0.019						Brown/pink, fg groundmass, grt-bt schist (4F) mod distorted weak 4E banding, mg porph grts, non-magnetic. Grt abundance increases downhole off of UC. 4E bands are commonly s-folded and host trace diss po.											
	F028576	1631	1631.8	0.04																	
	F028577	1631.8	1632.4	0.968	1631	1632.4	4E	BE	DIST	Dark green/brown/pink, aph groundmass, grt-amp schist w abundant bands of grt-bt schist (4EF) bands are alternating and commonly s-folded. Grts are more abundant in 4F bands. ~0.25% diss po min generally associated w 4E bands. LC is gradational.											
	F028578	1632.4	1633	0.148																	
	F028579	1633	1633.8	0.018	1632.4	1633.8	4F	B	DIST		~2.5% litho hosted diss po min adjacent to UC. LC is irregular.										
	F028581	1633.8	1634.6	0.016																	
	F028582	1634.6	1635.1	0.006	1633.8	1634.6	4EF	DG	BA	Brown/pink, fg groundmass, grt-bt schist (4F) fg-mg porph grts, mod internally foliated, non-magnetic. Weak s-folded 4E banding locally hosting trace diss po min. No significant veining. LC is gradational.											
	F028583	1635.1	1636.1	0.009	1634.6	1636.1	4F	B	DIST	Brown/pink, fg groundmass, grt-bearing metasediment (6W) poorly developed 4F. mod internal foliation, fg-mg porph grts (~5%), non-magnetic. Grts are locally weakly attenuated along foliation.											
1635	F028584	1636.1	1636.7	0.005																	
	F028585	1636.7	1637.2	0.005					POR BL												
	F028586	1637.2	1637.5	0.005	1636.1	1638	6W	B	POR BL	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, fg-mg porph grts, non-magnetic. Local planar qz vein. Trace diss litho hosted po min. LC is gradational.	Minor 4F unit @ 1637.2m hosting trace diss po min. No veining. LC is gradational.	4F									
	F028587	1637.5	1638	0.005																	
	F028588	1638	1638.3	0.014	1638	1638.3	4F	B	POR BL												
	F028589	1638.3	1639	0.006	1638.3	1639	6W	B		Brown/pink, fg groundmass, grt-bearing metasediment (6W) weakly internally foliated, fg-mg porph grts (~5%), non-magnetic. No veining or mineralization. LC is gradational.											
	F028591	1639	1639.6	0.012																	
	F028592	1639.6	1640.3	0.874	1639	1646.8	4F	B	BA	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, weak planar compositional banding, non-magnetic. Common planar grey qz veining hosting and associated w ~0.5% diss po mineralization. LC is gradational and marked at mineralization.											
1640	F028593	1640.3	1641	0.706																	
	F028594	1641	1641.4	0.653																	
	F028595	1641.4	1642	0.406																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F028595	1641.4	1642	0.406	1639	1646.8	4F	B	BA	Brown/pink, fg groundmass, grt-bt schist (4F) mod internally foliated, weak planar compositional banding, non-magnetic. Common planar grey qz veining hosting and associated w ~0.5% diss po mineralization. LC is gradational and marked at mineralization.											
	F028596	1642	1643	0.092																	
	F028597	1643	1644	0.038																	
	F028598	1644	1645	0.03																	
1645	F028599	1645	1646	1.04																	
	F028601	1646	1646.8	0.064																	
	F028602	1646.8	1647.1	0.091	1646.8	1675.7	4EA	BE	BA	Beige/green/blue, aph groundmass, grt-gru-amp + chert BIF (4EA) mod distorted alternating bands, fg-mg anhedral porph grts, mod to strongly magnetic. Common moderate HZ's causing isoclinal z-folding and grey qz flooding,	locally hosting trace-7% po and VG. 4 specks of VG from 1660-1660.9 m. LC is gradational.										
	F028603	1647.1	1648	0.215																	
	F028604	1648	1649	0.054																	
	F028605	1649	1650	0.046																	
1650	F028606	1650	1651	0.025																	
	F028607	1651	1651.7	0.022																	
	F028608	1651.7	1652.6	0.016																	
	F028609	1652.6	1653.6	0.048																	
	F028611	1653.6	1654.6	0.015																	
1655	F028612	1654.6	1655.6	0.024																	
	F028613	1655.6	1656.6	0.045																	
	F028614	1656.6	1657	0.048																	
	F028615	1657	1658	0.164																	
	F028616	1658	1658.8	1.794																	
	F028617	1658.8	1659.3	0.044																	
	F028618	1659.3	1660	3.717																	
1660	F028619	1660	1660.5	7.533																	
	F028621	1660.5	1660.9	1.309																	
	F028622	1660.9	1661.5	0.263																	
	F028623	1661.5	1662.2	0.424																	
	F028624	1662.2	1663	0.326																	
	F028625	1663	1664	0.091																	
	F028626	1664	1665	0.01																	
1665	F028627	1665	1666	0.01																	
	F028628	1666	1666.5	0.007																	
	F028629	1666.5	1667.4	0.015																	
	F028631	1667.4	1668	0.018																	
	F028632	1668	1669	0.018																	
	F028633	1669	1670	0.423																	
1670	F028634	1670	1671	1.95																	
	F028635	1671	1672	0.082																	
	F028636	1672	1673	0.187																	
	F028637	1673	1674	0.006																	
	F028638	1674	1675	0.008																	
1675	F028729	1675	1675.7	0.01																	
	F028731	1675.7	1676.5	0.01	1675.7	1682.4	4BF	DG	BA	Dark green/brown/blue, aph groundmass, chert-ag BIF w abundant bands of grt-bt (4BF) planar to strongly distorted alternating bands, strongly magnetic. Moderate HZ's cause str attenuation and isoclinal z- and s-folding.	Local trace diss po min. LC is sharp.										
	F028732	1676.5	1677.4	0.01																	
	F028733	1677.4	1678.4	0.014																	
	F028734	1678.4	1679.4	0.01																	
1680	F028735	1679.4	1680.4	0.01																	
	F028736	1680.4	1681.4	0.014																	
	F028737	1681.4	1682.4	0.031																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F028737	1681.4	1682.4	0.031	1675.7	1682.4	4BF	DG	BA	Dark green/brown/blue, aph groundmass, chert-ag BIF w abundant bands of grt-bt (4BF) planar to strongly distorted alternating bands, strongly magnetic. Moderate HZ's cause str attenuation and isoclinal z- and s-folding. Brown, fg, metasediment (6) strongly distorted, non-magnetic. Mod HZ through unit causing str wispy bt and attenuation of foliation. No veining or mineralization. LC is faulted.	Local trace diss po min. LC is sharp.	6									
	F028738	1682.4	1683	0.587	1682.4	1683		B	DIST												
	F028739	1683	1683.5	0.018	1683	1691.9	4BF	DG	BA	Dark green/blue/brown, aph groundmass, chert-mag BIF w abundant bands of grt-bt schist (4BF) planar to mod dist alternating bands, strongly magnetic. Mod HZ's observed through unit causing isoclinal s- and z-folding.	Mod qz flooding caused by strain. Local trace diss/threaded po min. Minor unmineralized metasediment @ 1683.5 m. LC is gradational.										
	F028741	1683.5	1683.9	0.018																	
1680	F028742	1683.8	1684.7	0.01																	
	F028743	1684.7	1685.6	0.014																	
	F028744	1685.6	1686.5	0.017																	
	F028745	1686.5	1687.4	0.017																	
	F028746	1687.4	1688.3	0.01																	
	F028747	1688.3	1689.2	0.013																	
	F028748	1689.2	1690.1	0.01																	
1690	F028749	1690.1	1690.9	0.01																	
	F028751	1690.9	1691.9	0.047																	
	F028752	1691.9	1692.9	0.005	1691.9	1694.8	4B	DG	DIST	Dark green/blue, aph groundmass, chert-mag BIF (4B) mod distorted to planar alternating thin laminae, strongly magnetic. Mod HZ develops @ 1694.2 m causing parasitic folding of laminae, mod brittle faulting from 1693.3-1693.9 m.	No mineralization. LC is gradational.										
	F028753	1692.9	1693.9	0.005																	
	F028754	1693.9	1694.8	0.005																	
1695	F028755	1694.8	1695.7	0.005	1694.8	1698.1	4BF	DG	DIST	Dark green/blue/brown, aph groundmass, chert-mag BIF w abundant bands of grt-bt schist (4BF) mod distorted alternating bands, strongly magnetic. Mod HZ runs through unit causing isoclinal s-folding. No visible mineralization. LC is gradational.											
	F028756	1695.7	1696.3	0.005																	
	F028757	1696.3	1697.1	0.005																	
	F028758	1697.1	1698.1	0.005																	
	F028759	1698.1	1699	0.005	1698.1	1702.8	4B	DG	LA	Dark green/blue, aph groundmass, chert-mag BIF (4B) planar to locally mod distorted alternating laminae, strongly magnetic. Local minor 4f banding increasing towards LC. Platy amphibole crystals observed in magnetite bands become prevalent	towards LC. Local trace threaded po min. LC is gradational.										
	F028761	1699	1700	0.005																	
1700	F028762	1700	1701	0.005																	
	F028763	1701	1702	0.025																	
	F028764	1702	1702.8	0.009																	
	F028765	1702.8	1703.8	0.043	1702.8	1706.4	4BF	DG	BA	Dark green/blue/brown, aph groundmass, chert-mag BIF w abundant bands of grt-bt schist (4BF) planar to mod dist alternating bands, strongly magnetic. Local wk to mod gru alteration of magnetite. Trace diss po. LC is gradational.											
	F028766	1703.8	1704.8	0.016																	
1705	F028767	1704.8	1705.8	0.021																	
	F028768	1705.8	1706.4	0.014																	
	F028769	1706.4	1707	0.008	1706.4	1722	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) mod dist to planar alternating laminae/bands, strongly magnetic. Patchy grt-bt bands generally where higher strain occurs. Mod qz flooding caused by strain.	Patchy 2-4% blebby strain controlled po mineralization. EOH.										
	F028771	1707	1708	0.019																	
	F028772	1708	1709	0.005																	
	F028773	1709	1709.8	0.04																	
1710	F028774	1709.8	1710.3	0.023																	
	F028775	1710.3	1710.9	0.033																	
	F028776	1710.9	1711.9	0.105																	
	F028777	1711.9	1712.6	0.036																	
	F028778	1712.6	1713.2	0.941																	
	F028779	1713.2	1713.9	1.23																	
	F028781	1713.9	1714.4	0.071																	
1715	F028782	1714.4	1715	0.423																	
	F028783	1715	1716	0.194																	
	F028784	1716	1717	0.203																	
	F028785	1717	1718	0.511																	
	F028786	1718	1719	0.867																	
	F028787	1719	1720	0.704																	
1720	F028788	1720	1721	0.335																	
	F028789	1721	1722	0.381																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F028789	1721	1722	0.381	1706.4	1722	4B	DG	DIST	Dark green/blue, aph, chert-mag BIF (4B) mod dist to planar alternating laminae/bands, strongly magnetic. Patchy grt-bt bands generally where higher strain occurs. Mod qz flooding caused by strain.	Patchy 2-4% blebby strain controlled po mineralization. EOH.										
1725																					
1730																					
1735																					
1740																					
1745																					
1750																					
1755																					
1760																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1228.1	Wedge hole no log														
25																					
30																					
35																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1228.1	Wedge hole no log														
65																					
70																					
75																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1228.1	Wedge hole no log														
105																					
110																					
115																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1228.1	Wedge hole no log														
145																					
150																					
155																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1228.1	Wedge hole no log														
185																					
190																					
195																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1228.1	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1228.1	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1228.1	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1228.1	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1228.1	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1228.1	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1228.1	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1228.1	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1228.1	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1228.1	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1228.1	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1228.1	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1228.1	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1228.1	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1228.1	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1228.1	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1228.1	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1228.1	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1228.1	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1228.1	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-013

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1228.1	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1228.1	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1228.1	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1228.1	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1228.1	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215					0	1228.1	Wedge hole no log														
1220																					
1225																					
1230					1228.1	1230.7	3F	G	FOL	Grey, fg groundmass, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg-mg feldspathic lapilli locally attenuated along foliation. Common planar qz-cb veining. No mineralization. LC is sharp.											
					1230.7	1232.5	3O	W	POR	White, fg, felsic dyke (3O) massive, mg porphyritic feldspar crystals scattered throughout. Intensely silica flooded. No mineralization. LC is sharp.											
1235					1232.5	1248.4	3F	G	FOL	Grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli locally weakly attenuated along foliation axis throughout. Common to str planar qz-cb veining.	Local methane faulting x-cutting fabric and showing mod hematite staining. No mineralization. LC is sharp.										
1240																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245					1232.5	1248.4	3F	G	FOL	Grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg feldspathic lapilli locally weakly attenuated along foliation axis throughout. Common to str planar qz-cb veining.	Local methane faulting x-cutting fabric and showing mod hematite staining. No mineralization. LC is sharp.										
					1248.4	1249	QTZ VN	W	MA	White massive qz-cb vein. No mineralization, sharp contacts.											
1250																					
1255																					
1260																					
					1249	1275.5	3F	G	DIST	Grey, fg, felsic lapilli tuff (3F) mod foliated to strongly distorted, non-magnetic. Common feldspathic lapilli throughout commonly being overprinted by intense high strain zones causing str to int qz-cb veining/flooding (~30-35%). No mineralization.											
1265																					
1270																					
1275																					
					1275.5	1276.7	MUS G			wedge											
					1276.7	1358.1	3F	G	DIST	same as previous unit											
1280																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300																					
					1276.7	1358.1	**3F**	G	DIST	same as previous unit											
1305																					
1310																					
1315																					
1320																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					1276.7	1358.1	3F	G	DIST	same as previous unit											
1345																					
1350																					
1355																					
1360					1358.1	1371.2	3F	G	FOL	Continuation of previous unit, but intense high strain zone has ended causing a drastic decrease in qz-cb veining; although still present (~3%). No mineralization. LC is sharp.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365					1358.1	1371.2	3F	G	FOL	Continuation of previous unit, but intense high strain zone has ended causing a drastic decrease in qz-cb veining; although still present (~3%). No mineralization. LC is sharp.											
1370																					
1375					1371.2	1376.2	2	GG	FOL	Light greenish-grey, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Wk pervasive bt, mod pervasive green amp alt. Wk cb veinlets sub-parallel to foliation. No mineralization. LC is sharp.											
1380					1376.2	1388.7		B	FOL	Brown, fg, metasediment (6) massive to weakly foliated, non-magnetic. Str bt abundance in groundmass. Irregular cb veinlets throughout. Irregular white qz vein set. Local trace diss po min. LC is sharp.											
1385																					
1390																					
1395					1388.7	1404.3	3F	G	FOL	Grey, fg, felsic lapilli tuff (3F) mod foliated, non-magnetic. Vfg-fg feldspathic lapilli throughout locally mod attenuated along foliation, lapilli become coarser grained towards center of unit. No mineralization. LC is sharp.											
1400																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1388.7	1404.3	3F	G	FOL	Grey, fg, felsic lapilli tuff (3F) mod foliated, non-magnetic. Vfg-fg feldspathic lapilli throughout locally mod attenuated along foliation, lapilli become coarser grained towards center of unit. No mineralization. LC is sharp.											
1405																					
					1404.3	1413.1		GG	DIST	Greenish-grey, fg, metasediment (6) mod distorted, non-magnetic. Wk green amp alt in groundmass, mod HZ causing str irregular and wispy cb flooding. Local trace threaded po min. LC is gradational.											
1410																					
1415																					
1420																					
1425																					
					1413.1	1442.9	3F	G	DIST	Grey, fg, felsic lapilli tuff (3F) mod to well foliated, non-magnetic. Fg feldspathic lapilli scattered throughout. Wk to mod sericitization of groundmass overprinting primary textures. Common moderate HZ's showing str to int cb flooding.	No visible mineralization. LC is sharp.										
1430																					
1435																					
1440																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1413.1	1442.9	3F	G	DIST	Grey, fg, felsic lapilli tuff (3F) mod to well foliated, non-magnetic. Fg feldspathic lapilli scattered throughout. Wk to mod sericitization of groundmass overprinting primary textures. Common moderate HZ's showing str to int cb flooding.	No visible mineralization. LC is sharp.										
1445					1442.9	1450.8		LG	MA	Light green, fg, metasediment (6) massive to weakly foliated, non-magnetic. Str bt abundance in groundmass. 1-5 planar unmineralized white qz veins per meter, locally irregular due to wk strain. No mineralization. LC is gradational.											
1450																					
1455					1450.8	1459.3	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Abundant feldspathic lapilli scattered throughout locally weakly attenuated along foliation. Mod to str pervasive sericite alteration of groundmass. Local planar white qz veining.	No visible mineralization. LC is gradational.										
1460					1459.3	1467.3	6W	LG	POR BL	Light green/pink, fg groundmass, grt-bearing metasediment (6W) wk to mod foliated, fg-cg anhedral porph grts, non-magnetic. Wk to mod green amp abundance through groundmass. 1-5 planar white qz veining. No visible mineralization. LC is gradational.											
1465																					
1470					1467.3	1476.5	3F	G	FOL	Grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Fg to mg feldspathic lapilli scattered throughout and locally attenuated along foliation. Moderate banded sericite alteration. No visible mineralization. LC is gradational.											
1475																					
					1476.5	1494.5		DG	FOL	Light green, fg, metasediment (6) massive to moderately foliated, non-magnetic. Patchy mod to str sericite alteration of groundmass. Weak HZ from 1488-1493.9 m causes wispy carbonate alteration/flooding.	Trace vfg disseminated po mineralization occurs adjacent to LC, grts develop adjacent to LC as 4E unit develops below. LC is gradational.										
1480																					

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Depth	Sample	From	To	AU ppm
1485				
1490				
	F018871	1491.9	1492.9	0.005
	F018872	1492.9	1493.9	0.008
	F018873	1493.9	1494.5	0.025
	F018874	1494.5	1495	0.013
1495	F018875	1495	1495.3	0.005
	F018876	1495.3	1496.3	0.005
	F018877	1496.3	1497.3	0.005
	F018878	1497.3	1497.8	0.005
	F018879	1497.8	1498.8	0.005
	F018881	1498.8	1499.8	0.005
1500				
1505				
1510				
1515				
1520				

From	To	Unit	Col	Text	Comments	Comments
1476.5	1494.5		DG	FOL	Light green, fg, metasediment (6) massive to moderately foliated, non-magnetic. Patchy mod to str sericite alteration of groundmass. Weak HZ from 1488-1493.9 m causes wispy carbonate alteration/flooding.	Trace vfg disseminated po mineralization occurs adjacent to LC, grts develop adjacent to LC as 4E unit develops below. LC is gradational.
1494.5	1495.3	4E	DG	POR BL	Dark green/pink, aph groundmass, grt-amp schist (4E) weakly foliated, mg-cg anhedral porph grts mod attenuated along foliated, mod magnetic. Local wispy cb. ~0.7% vfg disseminated po through groundmass preferentially oriented along foliation.	
1495.3	1500	6W	G	FOL	Med-dark grey-purple grt-bearing metased (6W). Fine grained w minor sct pink grt. Well foliated. Locally weakly magnetic (assoc w HZ from 1495.3-1497m). Local tr Po in groundmass. 1-2% qz veining. Sct weak meth flt splays w green alt. Gradational LC.	
1500	1503.6	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white m-cg lapilli. Well fol. Locally very weakly magnetic. Sct meth flt splays w green staining. 10% white qz veining (one larger vein and sporadic veinlets) w ser; musc; & trm alt. No sig min.	
1503.6	1504.5	MIS			90cm missing core due to clappison wedge.	
1504.5	1512.4	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Well foliated. 10-15% white qz veining w minor ser alt. No sig min. Nonmagnetic. Sct weak meth flt splays w green staining. Minor UM (1) 12cm wide; dark green; soft; no visible min.	Sharp LC.
1512.4	1512.9	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Weakly magnetic. <1% thin cb stringers. No visible mineralization. Minor bt in groundmass. Sharp LC.	
1512.9	1528.1	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Well foliated. Patches of multiple meth flt splays w mod green/ser alt staining host rock. Local brittle fractures leaving blocky core. Sporadic patches of beige ser wisps. Nonmagnetic.	2-3% white qz-cb veining w weak ser & lcl trm. No sig min. Gradational LC.

Unit	Comments
1	Minor ultramafic (1). Soft. Weakly magnetic. 1-2% qz-cb vein w musc & chl alt. No visible min.

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	MOD						Mod prv cb and weak sct green amp wisps assoc w HZ/SZ.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1525					1512.9	1528.1	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Well foliated. Patches of multiple meth flt splays w mod green/ser alt staining host rock. Local brittle fractures leaving blocky core. Sporadic patches of beige ser wisps. Nonmagnetic.	2-3% white qz-cb veining w weak ser & lcl trm. No sig min. Gradational LC.										
1530					1528.1	1536.9	6W	G	FOL	Med grey to grey-purple grt bearing metased (6W). Fine grained w sct pink grt; irregular in shape to locally attenuated. Locally very weakly magnetic. Well foliated. 3-5% qz-cb veining w weak lcl ser. No sig min. Sct meth flt splays w green alt.	Local blocky core/discing at 1530m & 1536-1540m. Gradational LC.										
1535																					
1540					1536.9	1541.8	3F	G	FOL	Light-med grey felsic lapilli tuff (3F). Fine grained w patchy white lapilli. Well foliated. HZ/SZ from 1538.7-1540m w abundant qz-cb flooding; mod ser alt; lcl bt alt. Sct qz-cb veins sct outside of HZ. No sig min. Locally very weakly magnetic.	Minor sct meth flt splays. Gradational LC.										
1545					1541.8	1548.3	6W	G	FOL	Med grey grt-bearing metased (6W). Fg w sporadic grt. Well fol. Possible minor patchy lapilli present @ ~1542m. 3-4% qz-cb veining/veinlets w weak green amp alt. Weak mag concentrated to green amp halos. Patchy beige ser alt predominantly around 1545m.	Tr lcl Po in groundmass. Gradational LC.										
	F018882	1545.8	1546.8	0.007																	
	F018883	1546.8	1547.8	0.009																	
	F018884	1547.8	1548.3	0.017																	
	F018885	1548.3	1549	0.024						Dark grey metased (6) w intense st alt. Abundant bt; no grt present. Transitional unit between 6W and a poorly developed 4F. Very weakly magnetic.											
	F018886	1549	1549.4	0.022	1548.3	1549.4		G	FOL	Fine grained. Well fol. 2-3% qz-cb veining. Up to 1% Po in groundmass. Lcl green amp assoc w minor qz-cb.	Gradational LC.										
	F018887	1549.4	1550	0.635																	
1550	F018888	1550	1550.5	0.027	1549.4	1551.1	4F	G	POR BL	Dark grey-black poorly developed grt-bt schist (4F). Fine grained w mod cg to very cg anhedral grt. Strong st alt. Sct agglomerate grt bands. Locally very weakly magnetic. 2-3% qz-cb veining. Tr-3% Po in both veining & groundmass. Gradational LC.											
	F018889	1550.5	1551.1	0.005																	
	F018891	1551.1	1552	0.007																	
	F018892	1552	1553	0.005																	
	F018893	1553	1554	0.104																	
	F018894	1554	1554.5	0.066																	
	F018895	1554.5	1554.9	0.018																	
1555	F018896	1554.9	1555.3	0.1																	
	F018897	1555.3	1556.3	0.01																	
	F018898	1556.3	1556.6	0.011	1551.1	1561.3	6W	G	FOL	Dark grey grt-bearing metased (6W). Fine grained w mod sct grt. Well foliated. Locally weakly magnetic (green amp). Sct bands of green amp. Areas of possible very poorly developed 4F at 1554.6-1555m & 1556.3-1556.4m (minor increase in bt &grt content).	Local discing. Poss minor HZ's based on intro of cb stringers w green amp halos. 1-2% qz-cb veining. Local tr Po assoc w green amp. Gradational LC.										
	F018899	1556.6	1557.6	0.005																	
	F018901	1557.6	1558.6	0.008																	
	F018902	1558.6	1559.3	0.011						Dark brown-grey metased (6) w strong st alt. No visible grt; sct white grains that look like replaced grt. Weakly magnetic. 1% minor qz-cb veinlets. No visible min. Gradational LC.											
	F018903	1559.3	1560.3	0.005																	
1560	F018904	1560.3	1561.3	0.046						Med-dark grey grt-bearing metased (6W). Fine grained w sct pink grt; locally attenuated. Well fol. No visible st. Nonmagnetic. 2 qz-cb veins (1-2cm wide). No sig min. Brittle fracturing w blocky core & 10cm missing between 1562.1-1562.8m. Gradational LC											
	F018905	1561.3	1561.6	0.054	1561.3	1561.6	6	B	FOL												
	F018906	1561.6	1562.1	0.033	1561.6	1563	[illegible]	G	FOL												

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Assay

Depth	Sample	From	To	AU ppm
	F018906	1561.6	1562.1	0.033
	F018907	1562.1	1563	0.007
	F018908	1563	1563.6	0.007
1565				
1570	F018909	1569.8	1570.7	0.006
	F018911	1570.7	1571.3	0.006
	F018912	1571.3	1571.8	0.006
	F018913	1571.8	1572.3	0.157
	F018914	1572.3	1572.9	0.334
	F018915	1572.9	1573.2	0.075
	F018916	1573.2	1573.7	0.019
	F018917	1573.7	1574	0.009
1575	F018918	1574	1574.7	0.006
	F018919	1574.7	1575.3	0.01
	F018921	1575.3	1576	0.005
1580				
1585				
1590				
1595				
1600				

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1561.6	1563	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w sct pink grt; locally attenuated. Well fol. No visible st. Nonmagnetic. 2 qz-cb veins (1-2cm wide). No sig min. Brittle fracturing w blocky core & 10cm missing between 1562.1-1562.8m. Gradational LC	
1563	1571.3	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated w locally attenuated lapilli. 3-5% qz-cb veining w weak lcl ser alt. Sct bands of beige ser throughout. Sct weak meth flt splays. No sig min. Gradational LC.	
1571.3	1571.8	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w patchy f-mg pink grt predominantly concentrated towards LC. Well foliated. 3-4% white & grey qz-cb veining w local ser & green amp alt. Locally weakly magnetic (green amp). Very tr Po stringer near UC.	Gradational LC.
1571.8	1573.2	4F	B	DIST	Brown poorly developed grt-bt schist (4F). Fg. Strong st alt. Locally fol but predominantly distorted due to HZ from 1572.3-1572.9m w abund alt including grt; bt; & trm; Alt & and distortion give core a weak breccia-like appearance. 3-4% qz-cb veining.	Tr-1% Po assoc w veining & alt. Gradational LC.
1573.2	1575.3	6W	G	FOL	Dark grey-brown grt-bearing metased (6W). Fg w mod sct pink grt. Well fol. Mod bt wisps & beige ser bands. Two poss conveyor-like SZ's from 1573.2-1576 (grouped as one). Similar alt & distortion from 1574-1574.7m as above w trm/bt/grt alt & breccia-like	appearance. 7-10% qz-cb veining. Tr lcl Po assoc w veining. Very tr Py in alt/distorted area. Sheared LC.
1575.3	1577.5		G	FOL	Med grey metased (6). Fine grained. Well foliated. Abundant beige ser bands alternating w grey bands. Very weakly magnetic. Weak local meth flt splays towards LC. SZ until 1576m. 1-2% qz-cb veining. No sig min. Gradational LC.	
1577.5	1580.4	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli (sct to patchy). Well fol. Abundant beige ser bands predominantly concentrated towards LC. Mod sct meth flt splays w light green staining. Nonmagnetic. 5-10% qz-cb veining w mod ser.	No sig min. Gradational LC.
1580.4	1589.2	6W	G	FOL	Dark grey-purple grt-bearing metased (6W). Fine grained w sct to patchy f-mg grt. Well foliated. Nonmagnetic to locally weakly magnetic (green amp). SZ (conveyor-type?) from 1581.8-1583.5m; mod prv cb & green amp. Local weak ser. 2-3% qz-cb veining.	No sig Po. 1% lcl Py assoc w alt. Sct weak meth flt splays. Gradational LC.
1589.2	1591	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w minor sporadic white lapilli. Well foliated. Nonmagnetic. Abundant meth hairline flt splays w green staining. 1-2% qz-cb veining/veinlets w weak ser. No sig min. Gradational LC.	
1591	1592	6W	G	FOL	Med grey-purple grt-bearing metased (6W). Fine grained w patchy cg grt. Sct beige ser bands. Green band w weak prv chl 5cm wide @ 1591.5m. Very weakly magnetic. 1% qz-cb veining w weak ser. Minor hairline meth flt splays. No sig min. Gradational LC.	
1592	1594	3F	G	FOL	Med grey-purple felsic tuff (3F). Fine grained. Well foliated. Mod patchy white lapilli. Patchy areas w alternating green & grey bands w minor cg grt between 1592.7-1594.5m. Nonmagnetic. 2-4% qz-cb veining w weak lcl ser. No sig min. gradational LC	
1594	1597	6W	G	FOL	grey, fg garnetiferous metasediments; 3-5% attenuated grt porphyroblasts; local 5-10cm intervals of green amp alt; 20cm intercalated 3F at 1594.2m; no visible min; gradational LC.	
1597	1608	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; abundant visible lapilli; minor intercalated garnetiferous metasediments; localized planar Qz veins; 20cm UM dike at 1602.8m; no visible min; gradational LC.	

MINOR UNIT

Unit	Comments
3F	Grey, fg strongly foliated felsic lapilli tuff; attenuated silicified lapilli; no grts; no min
6W	grey and green, fg garnetiferous metasediments; 5-7% attenuated anhedral grts; ~25% amp alt bands; no min.
6W	grey, fg garnetiferous metasediments; 3-5% attenuated grts; minor <1cm amp alt bands; no min.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1605					1597	1608	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; abundant visible lapilli; minor intercalated garnetiferous metasediments; localized planar Qz veins; 20cm UM dike at 1602.8m; no visible min; gradational LC.		1	Grey-green, fg ultramafic dike; foliated; relatively soft; sharp LC; no min								
1610					1608	1611.2	GW	G	FOL	brown-grey, fg garnetiferous metasediments; 2-3% attenuated grts; rare planar Qz veins; focal brittle faulting sub-parallel to fabric plane; no visible min; gradational LC.											
1615					1611.2	1649.4	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; visible 1-2mm white silicified lapilli; mod to strong sericite alt; methane splays are common throughout cross-cutting fabric – more intense brecciated fault at 1626.4-1627m. Tr Po dis; Sharp LC											
1620																					
1625																					
1630																					
1635																					
1640																					

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Depth	Sample	From	To	AU ppm
1645				
	F018922	1647.4	1648.4	0.008
	F018923	1648.4	1649.4	0.005
	F018924	1649.4	1650	0.035
1650	F018925	1650	1650.9	0.02
	F018926	1650.9	1651.7	0.009
	F018927	1651.7	1652.5	1.32
	F018928	1652.5	1653.3	0.024
	F018929	1653.3	1653.6	0.021
	F018931	1653.6	1654.6	0.021
1655	F018932	1654.6	1655.6	0.018
1660				
1665				
1670				
1675				
1680				

From	To	Unit	Col	Text	Comments
1611.2	1649.4	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; visible 1-2mm white silicified lapilli; mod to strong sericite alt; methane splays are common throughout cross-cutting fabric – more intense brecciated fault at 1626.4-1627m. Tr Po dis; Sharp LC
1649.4	1650	4E	DG	POR BL	dark green, fg garnet-amphibole ITF; locally magnetic; porphyroblastic; ~25% 2-5mm attenuated grts with mod gru alt; minor intercalated gru and grt-bt bands; ~2% Po disseminations, gradational LC.
1650	1653.6	4F	B	POR BL	brown, fg garnet-biotite schist; strongly foliated; weakly banded with minor intercalated grt-amp bands; porphyroblastic with ~30-40% 2-4mm grts; local Qz veining; Tr Po; sharp LC to 20cm 4E.
1653.6	1672.7	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; abundant visible lapilli; minor intercalated metasediments; mod to strong sericite alt forming bands; brecciated methane fault cross-cutting fabric at 1663.7m surrounded by strong to moderate methane
1672.7	1673	6W	G	FOL	grey, fg garnetiferous metasediments; foliated; 2-6% 1-6mm attenuated grt porphyroblasts; local ~1m St porphyroblasts; minor green amp alt bands; no visible min; gradational LC.
1673	1674.9	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; visible lapilli; strong sericite alt forming bands; no visible min; gradational LC.
1674.9	1675.8	6W	G	FOL	grey, fg garnetiferous metasediments; foliated; 2-3% 1-6mm attenuated grts ; ~15% green amp alt bands; no visible min; gradational LC.
1675.8	1678.2	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; abundant visible lapilli; mod sericite alt; no visible min; gradational LC.
1678.2	1680.7	6W	G	FOL	grey, fg garnetiferous metasediments; foliated; 2-3% 1-3mm attenuated grts; minor green amp alt bands; brittle faulting 1680-1680.3m; visible min; gradational LC.
1680.7	1709.3	3F	G	FOL	grey, fg felsic lapilli tuff; well foliated; abundant visible white 1-2mm lapilli; methane splays cross-cutting fabric locally throughout unit; local sericite, green amp, and Bt alt; rare Po stringers; diffuse LC.

Comments
splays; local hairline fractures breaking rock in irregular orientations; gradational LC.

Unit	Comments
4E	Dark green, fg garnet-amphibole ITF; grts are present but rare; consists mainly of Qz flooded amp with ~5% Po stringers.

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1685																					
1690																					
1695					1680.7	1709.3	3F	G	FOL	grey, fg felsic lapilli tuff; well foliated; abundant visible white 1-2mm lapilli; methane splays cross-cutting fabric locally throughout unit; local sericite, green amp, and Bt alt; rare Po stringers; diffuse LC.											
1700																					
1705																					
	F018933	1707	1708	0.006																	
	F018934	1708	1709	0.008																	
	F018935	1709	1709.3	0.131																	
	F018936	1709.3	1709.6	0.423																	
1710	F018937	1709.6	1710.4	3.29																	
	F018938	1710.4	1711.2	0.031	1709.3	1712.1	4F	B	POR BL	brown, fg garnet-biotite schist; strongly foliated; weakly banded; local sericite alt bands; 30-40% 1-2mm anhedral grts; minor intercalated grt-amp bands; ~1% Po stringers at UC associated with Qz veining; Sharp LC											
	F018939	1711.2	1712.1	0.11																	
	F018941	1712.1	1713	0.022																	
	F018942	1713	1714	0.018																	
	F018943	1714	1714.9	0.013																	
	F018944	1714.9	1715.2	0.384																	
1715	F018945	1715.2	1715.5	0.041	1712.1	1716.5	2	GG	FOL	grey -green, fg mafic metavolcanic; well foliated; locally strained with strong Qz flooding and Bt alt; minor 20cm interval with grts at 1715.2m (2U); 10cm of 2% Po stringers directly uphole from the minor 2U; gradational LC.		2U	Grey green and brown green, fg mafic metavolcanic with strong bt alt and 3-5% 5-10mm grt porphyroblasts.								
	F018946	1715.5	1716.5	0.013																	
	F018947	1716.5	1717.1	0.006																	
	F018948	1717.1	1717.4	0.025	1716.5	1718.1	2U	GG	POR BL	grey-green, fg garnetiferous mafic metavolcanic; well foliated; 1-5% grt porphyroblasts; 15cm grt-bt schist at 1717.2m; UC to minor 4F has strong Bt alt – could have borderline 6 intervals; 4F to LC has alternating bt and amp alt forming weak bands;	Tr Po wisps; gradational LC.	4F	Brown, fg 15cm garnet-biotite schist; well foliated ~10% 1-3mm grt porphyroblasts	STR							
	F018949	1717.4	1718.1	0.011																	
	F018951	1718.1	1719	0.013																	
	F018952	1719	1720	0.013																	
1720	F018953	1720	1721	0.054	1718.1	1723.7	2	GG	FOL	grey -green, fg mafic metavolcanic; well foliated; local brittle fractures/faulting crosscutting fabric at a low angle TCA; local intervals of pervasive Bt alt; local massive Qz veins that are the same style as the Qz unit logged below; no visible min;	sharp LC.			STR							pervasive Bt alt
	F018954	1721	1722	0.621																	

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Assay

Sample	From	To	AU ppm
F018954	1721	1722	0.621
F018955	1722	1723	0.343
F018956	1723	1723.7	0.065
F018957	1723.7	1724.6	0.06
F018958	1724.6	1725.6	0.694
F018959	1725.6	1726.1	0.008
F018961	1726.1	1726.8	0.059
F018962	1726.8	1727.4	0.027
F018963	1727.4	1727.9	0.018
F018964	1727.9	1728.6	0.037
F018965	1728.6	1729.5	0.024
F018966	1729.5	1730.3	0.016
F018967	1730.3	1731.2	0.022
F018968	1736.5	1736.6	
F018969	1736.5	1737.5	0.018
F018971	1737.5	1737.9	0.05
F018972	1737.9	1738.6	3.13
F018973	1738.6	1739	0.911
F018974	1739	1739.3	0.855
F018975	1739.3	1739.7	0.132
F018976	1739.7	1740.4	0.026
F018977	1740.4	1741.4	0.007
F018978	1741.4	1742	0.005
F018979	1742	1742.3	0.007
F018981	1742.3	1743.3	0.005
F018982	1743.3	1744	0.011
F018983	1744	1744.5	0.019
F018984	1744.5	1745.5	0.015
F018985	1745.5	1746.2	0.02
F018986	1746.2	1746.9	0.369
F018987	1746.5	1746.9	0.163
F018988	1746.9	1747.4	0.507
F018989	1747.4	1747.9	0.032
F018991	1747.9	1748.4	0.626
F018992	1748.4	1748.8	0.588
F018993	1748.8	1749.7	0.012
F018994	1749.7	1750.6	0.017
F018995	1750.6	1751.2	0.274
F018996	1751.2	1751.6	0.053
F018997	1751.6	1752.2	0.025
F018998	1752.2	1753.2	6.97
F018999	1753.2	1754	0.509
F016972	1754	1755	0.149
F016973	1755	1755.4	0.029
F016974	1755.4	1755.9	0.028
F016975	1755.9	1756.6	2.35
F016976	1756.6	1756.9	0.101
F016977	1756.9	1757.5	0.685
F016978	1757.5	1758	0.017
F016979	1758	1758.6	0.089
F016981	1758.6	1759	1.63
F016982	1759	1759.9	0.055
F016983	1759.9	1760.9	0.26
F016984	1760.9	1761.7	0.022
F016985	1761.7	1762	0.017

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1718.1	1723.7	2	GG	FOL	grey -green, fg mafic metavolcanic; well foliated; local brittle fractures/faulting crosscutting fabric at a low angle TCA; local intervals of pervasive Bt alt; local massive Qz veins that are the same style as the Qz unit logged below; no visible min;	sharp LC.
1723.7	1724.6	QTZ VN	W	MA	White massive quartz vein; fg-mg; 3-5% intercalated host rock; no visible min; sharp contacts.	
1724.6	1726.8	6W	B	FOL	Brown-grey, fg garnetiferous metasediments; very strongly foliated; weakly banded 1-2% 2-4mm grts; intervals look borderline schisty like 4F but with minimal grts; minor intercalated mafic looking intervals near UC; no visible min; sharp LC.	
1726.8	1727.4	4E	DG	POR BL	dark green, fg garnet-amphibole ITF; composted of agglomerated cg (typically >1cm) grts and dark green amp with minor intercalated grt-bt – mostly concentrated at LC; Tr Po disseminations; diffuse LC.	
1727.4	1727.9	2	GG	FOL	grey-green, fg mafic metavolcanic; well foliated; mod Bt alt – strongest in center of unit; marginal grts bleeding in from surrounding units; attenuated Qz fragments? No visible min; gradational LC.	
1727.9	1728.6	4E	DG	POR BL	dark green, fg garnet-amphibole ITF; porphyroblastic; ~35% 2-6mm anhedral grts, minor intercalated grt-bt; top 20cm is very diffuse with ~5% grts and looks borderline 2U; Tr Po disseminations; gradations LC.	
1728.6	1737.5	2	GG	FOL	grey-green, fg mafic metavolcanic; well foliated; intervals of pervasive Bt alt giving a purple-grey colour; locally distorted with irregular Cb stringers; no visible min;	
1737.5	1737.9	4E	DG	DIST POR BL	Dark green grt-amp BIF (4E). Fg. Distorted to weakly locally banded. Locally weakly magnetic. 10-15% white & smoky grey qz-cb veining. Up to 5% Po assoc w veining and locally w groundmass. Local very cg subhedral grt. Mod green amp alt halos near vns.	Faulted/broken LC.
1737.9	1739	4F	B	POR BL	Dark brown grt-bt schist (4F). Fine grained w mod cg sub-euhedral grt. Well foliated. Very weakly magnetic to locally magnetic. Mod grt-amp bands present (~15%). 1-2% qz-cb veining. Tr Po in groundmass & veining. Gradational LC.	
1739	1739.7	4F	B	POR BL	Dark brown to black grt-bt schist (4F). Fg w abundant fg-mg subhedral grt. Well foliated. Slightly agglomerate grt bands at UC. 1% qz veinlets. Tr Po in groundmass. Nonmagnetic. Gradational LC.	
1739.7	1741.4		G	FOL	Dark grey metased (6). Fine grained. Well foliated. Mod bt wisps. Nonmagnetic. Minor grt at UC & LC. 1% qz veinlets. No sig min. Gradational LC.	
1741.4	1745.5	4F	B	POR BL	Brown-black grt-bt schist (4F). Fg w abund m-cg an-subhedral grt. Sporadic grt-amp bands. Well foliated to lcl banded patches. Lcl minor grt-gru bands at 1744m. Locally weakly magnetic. 1% qz-cb veinlets. Tr Po in groundmass & interstitial to grt.	Sharp LC.
1745.5	1748.4	4EA	GG	BA	Med grey-green grt-amp-gru BIF (4EA). Fg. Well banded. Locally mag. Sporadic grt-bt bands. Abund grt-gru bands. Local minor folding. 15-20% smoky qz veining w lcl chl wisps. Tr Po assoc w veining & groundmass. Minor lamp dyke (13) from 1747.9-1748m.	HZ from 1747.3-1747.9m w qz flooding. Sharp LC.
1748.4	1748.8	13	BK	MA	Black lamp dyke (13). Massive to weakly porphyritic. Magnetic. No sig veining or visible mineralization. Sharp LC. Minor fracturing at UC following contact.	
1748.8	1755.9	4EA	GG	BA	Med-dark grey-green grt-amp-gru BIF (4EA). Fg. Well banded. Mod magnetic w mod mag bands. Banding is predominantly linear w lcl folding. Mod brittle fracturing from 1748.8-1751.2m. Abund grt-gru banding w lcl marginal gru bands towards gradational LC.	10% smoky qz veining. Tr-1% Po in veining & groundmass.
1755.9	1761.7	4BF	G	BA	Dark grey chert-mag BIF w abundant grt-band bands (4BF). Fg. Well banded. Locally folded. Local mod brittle fracturing x-cutting fabric. Lcl discing towards LC (1755.8-1755.9m). Strongly magnetic. Sporadic minor meth flt splays. 10-15% qz veining.	Tr-3% predominantly assoc w veining. Gradational LC.
1761.7	1771.1	4B	G	BA	Dark grey chert-mag BIF (4B). Fg. Well banded. Locally folded. Strongly mag. Sporadic grt-bt bands. Minor sporadic marginal gru bands. Sct weak meth flt splays. Lcl brittle fracturing at 1763.4-1763.8m. 5-10% qz-cb veining. Tr-4% Po assoc w veining/alt	& groundmass. Gradational LC.

MINOR UNIT

Unit	Comments
6	Dark grey metased (6). Fine grained. Laminated to foliated. Nonmagnetic. Minor grt near UC. No sig veining or min. Gradational contacts.
13	Black lamp dyke (13). Fine grained w med grained clasts. No veining or min. Magnetic. Sharp contacts.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-013

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F016985	1761.7	1762	0.107	1761.7	1771.1	4B	G	BA	Dark grey chert-mag BIF (4B). Fg. Well banded. Locally folded. Strongly mag. Sporadic grt-bt bands. Minor sporadic marginal gru bands. Sct weak meth flt splays. Lcl brittle fracturing at 1763.4-1763.8m. 5-10% qz-cb veining. Tr-4% Po assoc w veining/alt	& groundmass. Gradational LC.										
	F016986	1762	1763	0.158																	
	F016987	1763	1763.5	0.14																	
	F016988	1763.5	1764.1	0.147																	
1765	F016989	1764.1	1764.9	1.02																	
	F016991	1764.9	1765.5	0.033																	
	F016992	1765.5	1766.1	0.019																	
	F016993	1766.1	1766.4	0.03																	
	F016994	1766.4	1767.3	0.025																	
	F016995	1767.3	1767.6	0.055																	
	F016996	1767.6	1768.3	0.054																	
	F016997	1768.3	1769.2	0.574																	
1770	F016998	1769.2	1769.8	0.04																	
	F016999	1769.8	1770.2	0.011																	
	F027051	1770.2	1771.1	0.014																	
	F027052	1771.1	1771.5	0.067	1771.1	1779.9	4A	G	BA	Med grey-beige chert-gru BIF (4A). Well banded w weak-mod mag bands. Moderately magnetic. Sporadic grt-bt bands. HZ w mod distorted & wispy fabric from 1773.9-1778.6m. 1-2% qz-cb veining. Abund wispy gru & sct marginal gru bands. Tr Po in veining & alt.	Lcl boudinage/book-stepping chert bands. Mod patchy chl in HZ. Gru becomes greener around 1778m. Sharp LC.										
	F027053	1771.5	1772.5	0.01																	
	F027054	1772.5	1773.5	0.013																	
	F027055	1773.5	1774.5	0.01																	
1775	F027056	1774.5	1775.5	0.017																	
	F027057	1775.5	1776.5	0.015																	
	F027058	1776.5	1777.5	0.032																	
	F027059	1777.5	1778	0.019																	
	F027061	1778	1778.9	0.023																	
	F027062	1778.9	1779.9	0.034																	
1780	F027063	1779.9	1780.9	0.006	1779.9	1797.8	3A	G	FOL	Dark grey andesite (3A). Fine grained. Well foliated. Locally weakly magnetic. Abundant bt wisps. Mod musc. 3-5% white qz-cb veining. No sig min. Local fracturing following fabric. Minor 4e at 1797.5-1797.6m w mod grt-amp bands & tr Po (weakly magnetic).	Sharp LC.										
	F027064	1780.9	1781.9	0.005																	
1785																					
1790																					
	F027065	1795.8	1796.8																		
	F027066	1796.8	1797.5	0.006																	
1795	F027067	1797.5	1797.8	0.005																	
	F027068	1797.8	1798.2	0.01																	
	F027069	1798.2	1798.8	0.021																	
	F027071	1798.5	1799	0.067																	
	F027072	1799	1799.3	0.016																	
	F027073	1799.3	1799.6	0.008	1797.8	1799.3	4B	G	BA	Dark grey-purple & green chert-mag BIF (4B). Fg. Banded to weakly foliated/wispy. Sporadic minor anhedral grt. Minor local gru bands. Magnetic. Interbedded w green amp/chl alt bands. 5-10% white qz-cb veining. Tr Po assoc w chl/amp alt & groundmass.	Alteration makes core look /poorly developed or messed up. Sharp LC. Abund beige clasts (poss /remnant grt occurring w grt /grains). Sharp LC. Weak-mod prv chl alt. Massive green amp & chl 'band' from 1800.7-1800.9m that is strongly mag; mod fol; no sig min in this interval but diss Po just above; contacts are gradational.	4E	Minor grt-amp BIF (4E). Fine grained. Locally weakly magnetic. No sig veining or min. Sharp contacts. Minor grt-amp BIF (4E). Fg. Banded. Locally magnetic. Minor very cg grt at UC. 3% Po assoc w alt. Mod chl alt. Sharp contacts. 1% qz-cb veining.								
	F027074	1799.6	1799.9	0.007																	
	F027075	1799.9	1800.3	0.01																	
1800	F027076	1800.3	1800.7	0.008	1799.3	1800.3	3A	G	FOL	Med grey andesite (3A). Fine grained. Well foliated. Abundant bt & musc. Nonmagnetic. Alternating dark & light 'bands'/wisps. No sig veining or min. Minor 4E unit w 3% Po at 1799.6-1799.8m. Sharp LC.		4E	20cm of strongly magnetic poss green amp band related to the surrounding grt-amp BIF. No sharp contacts but gradational. Mod prv chl.								
	F027077	1800.7	1801	0.018	1800.3	1802.7	4E	GG	FOL	Dark green grt-amp BIF (4E). Fg w sct cg to very cg an-subhedral grt. Weakly mag to locally strongly mag. Fol to locally distorted. Minor discernable bands present. Local folding/distortion visible. 5-7% qz-cb veining. 2-7% Po in veining & groundmass.		4E								
	F027078	1801	1802	0.006																	
				0.015																	

19-NSD-013

Assay

Sample	From	To	AU ppm
F027078	1801	1802	0.015
F027079	1802	1802.7	0.01
F027081	1802.7	1803.5	0.008
F027082	1803.5	1803.8	0.01
F027083	1803.8	1804.4	0.006
F027084	1804.4	1805	0.006
F027085	1805	1806	0.006
F027086	1806	1806.5	0.02
F027087	1806.5	1807.2	0.005
F027088	1807.2	1808.2	0.005
F027089	1808.2	1809	0.005

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1800.3	1802.7	4E	GG	FOL	Dark green grt-amp BIF (4E). Fg w sct cg to very cg an-subhedral grt. Weakly mag to locally strongly mag. Fol to locally distorted. Minor discernable bands present. Local folding/distortion visible. 5-7% qz-cb veining. 2-7% Po in veining & groundmass.	Abund beige clasts (poss remnant grt occurring w grt grains). Sharp LC. Weak-mod prv chl alt. Massive green amp & chl 'band' from 1800.7-1800.9m that is strongly mag; mod fol; no sig min in this interval but diss Po just above; contacts are gradational.
1802.7	1806	3A	G	FOL	Med-dark grey andesite (3A). Fine grained. Well foliated. Abundant alternating dark & light grey bands/wisps. Abund bt & musc. Locally very weakly magnetic (green amp alt around veins). 1-2% qz-cb veining w green amp halos. No sig min.	Local fracturing following fabric. Minor 4E from 1803.5-1803.7m w 4% Po in veining & alt. Sharp LC.
1806	1807.2	4B	G	BA	Med grey-purple & beige chert-mag BIF (4B). Fine grained. Linear banding w minor local waves. Mod marginal gru banding. Minor wispy gru w green amp at UC. Sct minor green amp/chl bands. Magnetic. 1-2% qz-cb veining. 1-4% Po in groundmass.	Mod-strong 'static' texture of mag bands (or like spotted texture). Weak cb alt assoc w static texture mag bands. Lcl cg anhedral grt (at LC). LC is irregular and 'slumping' uphole.
1807.2	1809	3A	G	FOL	Med-dark grey andesite (3A). Fine grained. Well foliated. Abundant bt (wisps & bands) & musc. Nonmagnetic to locally weakly magnetic. 1-2% qz-cb veining. No sig min. Minor fracturing following fabric. EOH.	

MINOR UNIT

Unit	Comments
4E	Minor 4E w amp bands & very minor grt. Very weakly locally magnetic. 4% Po. 1% qz-cb veining. Sharp contacts.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1452.9	Wedge hole no log														
25																					
30																					
35																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1452.9	Wedge hole no log														
65																					
70																					
75																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1452.9	Wedge hole no log														
105																					
110																					
115																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1452.9	Wedge hole no log														
145																					
150																					
155																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1452.9	Wedge hole no log														
185																					
190																					
195																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1452.9	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1452.9	Wedge hole no log														
265																					
270																					
275																					
280																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1452.9	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1452.9	Wedge hole no log														
345																					
350																					
355																					
360																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1452.9	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1452.9	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1452.9	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1452.9	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1452.9	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1452.9	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1452.9	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1452.9	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1452.9	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1452.9	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1452.9	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1452.9	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1452.9	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1452.9	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1452.9	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1452.9	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1452.9	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050																					
1055																					
1060					0	1452.9	Wedge hole no log														
1065																					
1070																					
1075																					
1080																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1085																					
1090																					
1095																					
1100					0	1452.9	Wedge hole no log														
1105																					
1110																					
1115																					
1120																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1125																					
1130																					
1135																					
1140					0	1452.9	Wedge hole no log														
1145																					
1150																					
1155																					
1160																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165																					
1170																					
1175																					
1180					0	1452.9	Wedge hole no log														
1185																					
1190																					
1195																					
1200																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1205																					
1210																					
1215																					
1220					0	1452.9	Wedge hole no log														
1225																					
1230																					
1235																					
1240																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245																					
1250																					
1255																					
1260					0	1452.9	Wedge hole no log														
1265																					
1270																					
1275																					
1280																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285																					
1290																					
1295																					
1300					0	1452.9	Wedge hole no log														
1305																					
1310																					
1315																					
1320																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1325																					
1330																					
1335																					
1340					0	1452.9	Wedge hole no log														
1345																					
1350																					
1355																					
1360																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365																					
1370																					
1375																					
1380					0	1452.9	Wedge hole no log														
1385																					
1390																					
1395																					
1400																					

19-NSD-014

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405																					
1410																					
1415																					
1420					0	1452.9	Wedge hole no log														
1425																					
1430																					
1435																					
1440																					

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1445					0	1452.9	Wedge hole no log														
1450																					
1455					1452.9	1460.1		G	FOL	Med grey metased (6). No visible lapilli. Fine grained. Well fol. Very weakly magnetic. Tr local Po assoc w groundmass & veining. 2-3% qz-cb veinlets. Multiple weak meth flt splays w light green alt. Sporadic bands of ser alt. Local fracturing a 1459.3m.	Gradational LC.										
1460	F029501	1459.6	1460.1	0.005																	
	F029502	1460.1	1461	0.058	1460.1	1462.6	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w mod pink grt. Well foliated. Nonmagnetic. Abundant hairline meth flt splays w minor green alt. Up to 3% local Po assoc w green (amp?) alt. 3-4% qz-cb veining. Sheared LC.											
	F029503	1461	1461.6	0.009																	
	F029504	1461.6	1462	0.03																	
	F029505	1462	1462.6	0.005																	
	F029506	1462.6	1463.3	0.005	1462.6	1468.2		G	FOL	Med grey-brown metased (6). Fine grained. Well foliated. Mod-strong shear (conveyor?) w abundant prv cb alt & lcl green alt. Lcl folding w/in SZ. Very sporadic grt. Wispy beige bands of ser sct. 4-5% qz-cb veining. Lcl weak meth flt splays. Sharp LC.											
	F029507	1463.3	1464	0.005																	
1465					1468.2	1468.5	2	GG	FOL	Med grey-green mafic volc (2). Fine grained. Well fol w abundant bt wisps. Weakly magnetic. Mod cb stringers/veinlets (~3-5%). No sig mineralization. Gradational LC.											
1470					1468.5	1475.4	6W	G	FOL	Med grey-brown grt-bearing metased (6W). Fg w mod sct pink grt. Well foliated. Very weakly magnetic. Sporadic wispy beige ser bands. Abundant hairline meth flt splays w light green staining giving core a locally brecciated appearance. 1% qz-cb veinlets.	No sig min, Gradational LC.										
1475					1475.4	1476.6	3F / MIS	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod patchy white lapilli. Well foliated. Locally very weakly magnetic. Greyish 'nodules' that could be alt grt. 1-2% qz-cb veining. No sig min. Minor meth flt splays w green staining. 70cm missing core due to clappison wedge.											
					1476.6	1477.3															
					1477.3	1478.6	3F	G	FOL	Same as felsic lapilli tuff (3F) above. Fine grained w patchy lapilli. Weak-mod lcl ser alt assoc w qz-cb veining. 1-3% qz-cb veining. No sig min. Well foliated. Very weakly magnetic. Gradational LC.											
1480					1478.6	1487.3	6W	G	FOL	Med grey grt-bearing metased (6W). Fg w sct & patchy grt. Mod wispy ser bands giving core a locally banded appearance. Sct meth flt splays w green staining. Very weakly magnetic. Locally fractured. 3-5% qz-cb veining w lcl ser alt. Tr Po in groundmass.	Well fol. Gradational LC.										

19-NSD-014

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1485					1478.6	1487.3	6W	G	FOL	Med grey grt-bearing metased (6W). Fg w sct & patchy grt. Mod wispy ser bands giving core a locally banded appearance. Sct meth flt splays w green staining. Very weakly magnetic. Locally fractured. 3-5% qz-cb veining w lcl ser alt. Tr Po in groundmass.	Well fol. Gradational LC.										
1490					1487.3	1490.9	6W	G	FOL	Med-dark grey grt-bearing metased (6W) w sporadic green amp bands. Weakly magnetic localized to green amp bands. Poss intercalated mafics or amp alt. Weak lcl ser assoc w veining. Fg w abundant pink grt. Well fol. 1-3% white to greenish qz-cb veining.	Rare Po specks in veining. Irregular/gradational LC as amp bands disappear.										
1495					1490.9	1495.7	6W	G	FOL	Dark grey-purple grt-bearing metased (6W). Fine grained w mod pink grt. Well foliated. Very weakly magnetic. Mod hairline meth flt splays w green staining at 1493.2-1494.5m. 3-5% qz-cb veining. No sig mineralization. Gradational LC.											
1500 1505					1495.7	1507	3F	G	FOL	Dark grey felsic lapilli tuff (3F). Fine grained w abund white lapilli. Well foliated. Locally very weakly magnetic. Mod sct meth flt splays w green staining. Mod musc. Local weak ser assoc w some veins. Mod thin white qz-cb stringers. Tr sporadic grt.											
1510																			MOD		Mod local ser bands
1515					1507	1521.6	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w mod patchy pink grt. Well foliated w bands of green-beige ser. Nonmagnetic. Mod-strong brx from 1508-1508.2 w angular fragments and grey-green matrix (prv ser throughout this). Local brittle fracturing.	Rare Py speck assoc w qz-cb stringer. 3-5% white qz-cb veining w lcl ser & trm alt. Gradational LC. Steel wedge set at 1520.5m so from 1520.5-1524m was re-drilled and duplicate core exists.										
1520					1521.6	1525.4	3F	G	FOL	Med grey felsic lapilli tuff (3F). Mod patchy white lapilli. Well foliated. Sporadic pink grt. Mod sct meth flt splays w green staining. 2-3% qz-cb veining. Minor chl alt assoc w some veins. No sig min. Nonmagnetic. Gradational LC.											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION								
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1521.6	1525.4	3F	G	FOL	Med grey felsic lapilli tuff (3F). Mod patchy white lapilli. Well foliated. Sporadic pink grt. Mod sct meth flt splays w green staining. 2-3% qz-cb veining. Minor chl alt assoc w some veins. No sig min. Nonmagnetic. Gradational LC.											
1525																					
					1525.4	1530.9		G	FOL	Med grey metased (6). Fine grained w minor sporadic grt. Well foliated. Mod sct meth flt splays w light green alt. Minor UM (1) at 1530.4-1530.6m w prv chl. Brittle fracturing w blocky core from 1530.2-1530.6m. 1-2% qz-cb veining w mod ser & trm.	No sig min. Gradational LC.										
1530												1	Dark green ultramafic (1). Fine grained and massive in texture. Poss mafic volc but soft to scratch (strong chl). Weakly magnetic. Sharp UC and LC.			STR					
					1530.9	1534.2	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w sporadic grt. Well foliated. Very weakly magnetic. 5-7% white qz-cb veining. No sig min. Mod sct meth flt splays w green alt. Sharp LC.											
					1534.2	1534.5	QTZ VN	W	MA	White qz-cb vein. Massive. Nonmagnetic. Unaltered. No visible mineralization. Sharp contacts.											
1535																					
																			MOD		mod ser asso w meth splays.
1540																					
					1534.5	1551.9	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained. Minor sporadic grt. Well foliated. Locally very weakly magnetic. Mod patchy lapilli. Local fracturing. Abundant sct meth flt splays w mod prv ser alt. 7-10% white qz-cb veining. No sig min. Gradational LC.											
1545																					
																			MOD		Mod prv ser assoc w meth splays.
1550	F029508	1551.3	1551.9																		
	F029509	1551.9	1552.3	0.014																	
	F029511	1552.3	1552.6	0.007																	
	F029512	1552.6	1553	0.005																	
	F029513	1553	1553.3	0.005																	
	F029514	1553.3	1553.8	0.006																	
	F029515	1553.8	1554.3	0.005																	
1555	F029516	1554.3	1555.3	0.005																	
				0.008	1551.9	1558.1	6W	G	FOL	Dark grey-purple grt-bearing metased (6W). Fg w sct pink grt. Mod patchy beige ser bands. Nonmagnetic. Well fol. Conveyor SZ w strong prv cb & weak-mod green amp from 1554.3-1557.6m. 3-5% qz-cb veining. Tr up to 1% local Po assoc w veining & groundmass.	Gradational LC.				STR						Strong prv cb assoc w SZ.
					1558.1	1590	3F	G	FOL	Med grey to grey-purple felsic lapilli tuff (3F). Fine grained w patchy mod lapilli. Sporadic grt. Minor UM (1) from 1559.6-1559.8m. Local brittle fracturing throughout. Abundant meth flt splays w green staining. Tr local Po in veining & groundmass.	3-5% qz-cb veining. Up to 1% local Asp in vein. HZ from 1583.9-1588.3m with wispy fabric & thick qz-cb veins.	1	Minor ultramafic (1). Fine grained. Mottled to massive. Weakly magnetic. Mod talc/serp making core soft. No sig min. 1% qz-cb veins.								
1560																			MOD		Mod beige ser alt bands.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1565																			MOD		Mod beige ser alt bands.
1570																					
1575					1558.1	1590	3F	G	FOL	Med grey to grey-purple felsic lapilli tuff (3F). Fine grained w patchy mod lapilli. Sporadic grt. Minor UM (1) from 1559.6-1559.8m. Local brittle fracturing throughout. Abundant meth flt splays w green staining. Tr local Po in veining & groundmass.	3-5% qz-cb veining. Up to 1% local Asp in vein. HZ from 1583.9-1588.3m with wispy fabric & thick qz-cb veins.									
1580																					
1585																					
1590					1590	1598.5	3F	G	FOL	Same as felsic lapilli above (3F). Fg. Well fol. Sct meth flt splays. More mod meth flt/splay at 1594.7-1595m w a minor brx & green-beige alt. 5-7% white qz-cb veining. No sig min. Nonmagnetic. Irregular LC (Qz-cb vein at contact).										
1595													Med grey felsic lapilli tuff (3F). Fine grained. Well foliated. <1% qz-cb veining. No sig min. Sharp UC & LC.								
1600					1598.5	1602.5	1	GG	FOL	Dark grey-green ultramafic (1). Fine grained. Mottled to foliated w local wispy fabric. Weakly-mod magnetic. Abundant talc/srp alt making core soft to scratch. 5-7% qz-cb veining. No visible min. Lcl green amp alt assoc w qz-cb.	Three minor felsic tuff (3F) units between 1599.8-1602.4m. Sharp LC.	3F 3F 3F	Med grey-purple felsic lapilli tuff (3F). Fg. Well fol. 1-2% qz-cb veinlets. No sig min. Minor green amp alt assoc w veining. Sharp UC & sharp but weakly folded/wavy LC.							

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Assay

Sample	From	To	AU ppm
F029517	1610.1	1611.1	
F029518	1611.1	1612.1	0.005
F029519	1612.1	1612.4	0.011
F029521	1612.4	1613.2	0.005
F029522	1613.2	1614.2	0.008
F029523	1614.2	1614.5	0.005
F029524	1614.5	1614.8	0.009
F029525	1614.8	1615.2	0.012
F029526	1615.2	1615.5	0.005
F029527	1615.5	1616.1	0.005
F029528	1616.1	1616.8	0.005
F029529	1616.8	1617.1	0.007
F029531	1617.1	1617.6	0.008
F029532	1617.6	1617.9	0.005
F029533	1617.9	1618.5	0.011
F029534	1618.5	1619	0.005
F029535	1619	1620	0.009
F029536	1620	1621	0.005
F029537	1621	1621.6	0.005
F029538	1621.6	1622.2	0.005
F029539	1622.2	1623	0.005
F029541	1623	1623.6	0.005
F029542	1623.6	1624	0.005
F029543	1624	1625	0.005
F029544	1625	1626	0.005
F029545	1626	1626.5	0.005
F029546	1626.5	1626.8	0.009
F029547	1626.8	1627.1	0.005
F029548	1627.1	1627.5	0.005
F029549	1627.5	1628	0.01
F029551	1628	1629	0.024
F029552	1629	1629.6	0.011
F029553	1629.6	1630.1	0.006
F029554	1630.1	1631.1	0.005
F029555	1631.1	1631.4	0.01
F029556	1631.4	1632.1	0.005

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1598.5	1602.5	1	GG	FOL	Dark grey-green ultramafic (1). Fine grained. Mottled to foliated w local wispy fabric. Weakly-mod magnetic. Abundant talc/srp alt making core soft to scratch. 5-7% qz-cb veining. No visible min. Lcl green amp alt assoc w qz-cb.	Three minor felsic tuff (3F) units between 1599.8-1602.4m. Sharp LC.
1602.5	1603	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w minor lapilli. Well foliated. Minor green bands at 1602.8m. <1% qz-cb veinlets. No sig min. Nonmagnetic. Sharp LC.	
1603	1609.1	1	GG	FOL	Dark grey to grey-green ultramafic (1). Fine grained. Foliated to weakly distorted. Mod magnetic. Mod srp/talc alt making core soft to scratch. Patches of less soft rock towards LC starting at 1608.5m 5% qz-cb veining w light green alt. No visible min.	Shallow sharp LC.
1609.1	1624	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Well foliated. Lapilli are locally attenuated. Locally very weakly magnetic. Local fracturing w block core @ 1611.6m oblique to fabric. 5-7% qz-cb veinlets/veins throughout.	Tr-4% Po assoc w groundmass & alt/veining. Sct meth flt splays w green staining. Mod patchy ser alt bands. Gradational LC.
1624	1630.1	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Weak-mod sct grt. Fine grained. Well foliated. Minor green bands present. Patchy green amp alt assoc w thin qz-cb veinlets. Tr-5% Po predominantly assoc w green amp alt & veinlets. 5-7% qz-cb veining/veinlets.	Locally weakly magnetic concentrated to green amp alt bands. Brittle flt from 1624.6-1625.3m w blocky/rubbly core (w qz-cb veining w/in). Sct weak meth flt splays throughout.
1630.1	1634	3F	G	FOL	Light-med grey felsic lapilli tuff (3F). Fg w mod lapilli. Well fol. Locally very weakly mag. Sporadic irregular grt grains. 3-5% qz-cb veining. Very tr Po & Py specks. Sct meth flt splays. Mod sct musc. Minor green amp alt assoc w thin qz-cb veinlets.	
1634	1656.4	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; abundant visible 1-2mm white lapilli; brecciated methane fault 1648.6m-1649.6m; weak mm scale methane splays cross-cut fabric else wear; gradational LC marked where grts begin and alt changes	from Ser to Bt.

MINOR UNIT

Unit	Comments
3F	Med grey-beige felsic lapilli tuff (3F). Appears qz flooded or silicified. Weak-mod ser & weak bt alt. No sig min. Sharp UC & LC.
1	Minor ultramafic (1). Fine grained. Foliated. Folded LC. <1% qz-cb veining. No vis min.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					WK	MOD	Poss mod silicification of 3F.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1645					1634	1656.4	3F	G	FOL	grey, fg felsic lapilli tuff; strongly foliated; abundant visible 1-2mm white lapilli; brecciated methane fault 1648.6m-1649.6m; weak mm scale methane splays cross-cut fabric else wear; gradational LC marked where grts begin and alt changes	from Ser to Bt.										
1650																					
1655																					
1660	F029557	1659.1	1660.1	0.005	1656.4	1662.9	CW	G	FOL	grey, fg garnetiferous metasediments 1-2% 2-5mm anhedral grts; possibly intercalated 3F – but no visible lapilli; unit has intervals of brittle faulting and strain and/or shearing with intense Cb alt; 1% Po stringers 1661.1m to LC; gradational LC.											
	F029558	1660.1	1661.1	0.005																	
	F029559	1661.1	1662	0.005																	
	F029561	1662	1662.9	0.005																	
	F029562	1662.9	1663.3	0.01																	
	F029563	1663.3	1663.9	0.02	1662.9	1664.2	4E	DG	POR BL	dark green, fg garnet-amphibole ITF; weak to mod banded; gradationally less developed moving towards LC; ~30% planar Qz veining UC to 1663.3m associated with ~3% blebby Po stringers; gradational LC.											
	F029564	1663.9	1664.2	0.022																	
1665	F029565	1664.2	1665.2	0.011	1664.2	1671.1	4F	B	POR BL	Brown, fg garnet-biotite schist; well foliated; ~20-25% 2-3mm subhedral grts; no visible min; rare Qz veins towards LC continuing to 4E below; gradational LC.											
	F029566	1665.2	1666.2	0.007																	
	F029567	1666.2	1667.2	0.005																	
	F029568	1667.2	1668.2	0.007																	
	F029569	1668.2	1669.2	0.005																	
1670	F029571	1669.2	1670.2	0.012																	
	F029572	1670.2	1671.1	0.007																	
	F029573	1671.1	1672	0.015	1671.1	1673.5	4E	DG	DIST POR BL	dark green, fg garnet-amphibole ITF; porphyroblastic and weak to moderately banded; 1671.8m-LC unit is gently folded with 5-10% folded intercalated 4F bands; ~3% Qz veins are also distorted from folding; Tr Po disseminations locally; LC is sharp.											
	F029574	1672	1672.8	0.029																	
	F029575	1672.8	1673.5	0.015																	
	F029576	1673.5	1674.1	0.011	1673.5	1674.1	4F	B	POR BL	grey-brown, fg garnet-biotite schist; porphyroblastic with ~15% 2-3mm grts; visible gently folded compositional bands (s-folds); no visible min; irregular LC.											
	F029577	1674.1	1674.7	0.088	1674.1	1674.7	4E	DG		dark green, fg garnet-amphibole ITF; porphyroblastic; ~30% 2-4mm red grts; irregular Qz veining running sub-parallel TCA near the top of the core; Tr Po dis; gradational LC.											
1675	F029578	1674.7	1675.6	0.011	1674.7	1679.2	4F	B	POR BL	brown, fg garnet-biotite schist; foliated; ~40% 2-3mm sub to anhedral grts; relatively homogenous throughout; no visible min; Sharp LC.											
	F029579	1675.6	1676.5	0.005																	
	F029581	1676.5	1677.4	0.005																	
	F029582	1677.4	1678.3	0.008																	
	F029583	1678.3	1679.2	0.007																	
	F029584	1679.2	1679.6	0.085	1679.2	1679.6	1	GG	FOL	grey-green, fg ultramafic dike; top half looks mafic where lower portion is more grey with strong tlc/srp alt and soft; whole unit is magnetic; no visible min; sharp contacts.											
1680	F029585	1679.6	1680.2	0.047																	
	F029586	1680.2	1681	0.03	1679.6	1685.5	4F	B	POR BL	brown, fg garnet-biotite schist; foliated; same unit as above UM dike. tightly folded Qz vein at 1685.1m; sharp LC											
	F029587	1681	1682	0.404																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F029587	1681	1682	0.404																	
	F029588	1682	1683	0.453																	
	F029589	1683	1684	0.017	1679.6	1685.5	4F	B	POR BL	brown, fg garnet-biotite schist; foliated; same unit as above UM dike. tightly folded Qz vein at 1685.1m; sharp LC											
	F029591	1684	1685	0.014																	
1685	F029592	1685	1685.5	0.125																	
	F029593	1685.5	1686.2	0.009	1685.5	1686.2	2	GG	FOL	grey-green, fg mafic metavolcanic; mod foliated; weak chl alt; no visible min; sharp contacts; could be a dike(?) or could be a fold(?) since upper and lower contacts are opposite orientations.											
	F029594	1686.2	1686.7	4.4	1686.2	1686.7	4E	DG	POR BL												
	F029595	1686.7	1687.5	0.138	1686.7	1687.5	4F	B	POR BL	dark green and grey, fg mod developed garnet-amphibole ITF; porphyroblastic; alternating ~5cm intervals of grt-amp and agglomerated grts; 0.5% Po disseminations; gradational LC.											
	F029596	1687.5	1688	0.079	1687.5	1688	4E	DG	POR BL												
	F029597	1688	1689	0.044	1688	1691.5	4F	B	POR BL	grey-brown, fg garnet-biotite schist; strongly foliated; ~25% 2-3mm anhedral grts; weak to mod banded; ~5% intercalated grt-amp bands; Tr Po disseminations; gradational LC.											
	F029598	1689	1690	0.036						dark green, fg garnet-amphibole ITF; mod developed; alternating intervals of 3-7cm agglomerated grts and 2-5cm grt-amp; ~1% Po disseminations; gradational LC.	~2% planar Qz veins; no visible min; sharp LC.										
1690	F029599	1690	1691	0.443																	
	F029601	1691	1691.5	0.15						Brown and yellow; fg-mg garnet-biotite-staurolite schist; top meter has ~40% 2-6mm subhedral grts and minor intercalated grt-amp bands; 1689m to LC grt abundance decreases to ~10-20% and grt size is up to ~2cm and abundant 1-2mm St porphyroblasts;											
	F029602	1691.5	1692.5	0.036	1691.5	1704.9	2	GG	FOL	grey-green, fg mafic metavolcanic; weak to mod wispy bt alt; weak to mod pervasive green chl alt; local Qz veining; brittle faulting running and a shallow angle TCA 1693.8m-1694.8m; ~5cm 6 at 1704.6m; 10cm of 3% Po stingers at LC; sharp LC.											
	F029603	1692.5	1693.5	0.031																	
1695																					
1700																					
	F029604	1702.6	1703.6	0.017																	
	F029605	1703.6	1704.6	0.017																	
	F029606	1704.6	1704.9	2.82																	
1705	F029607	1704.9	1705.2	0.005	1704.9	1705.2		B	FOL	brown-grey, fg metasediments; strongly foliated; composed of mainly Bt; no visible min; gradational LC.											
	F029608	1705.2	1706.2	0.025	1705.2	1707.1	4F	B	POR BL	brown and yellow; fg to mg garnet-biotite-staurolite schist; porphyroblastic; 15-25% very cg garnets typically 1-3cm; abundant ~1mm St porphyroblasts within Bt groundmass giving yellow appearance; no visible min; sharp LC.											
	F029609	1706.2	1707.1	0.007																	
	F029611	1707.1	1707.4	0.025	1707.1	1707.4	2K	GG	FOL	grey-green, fg mafic dike; well foliated; mod bt alt near margins; no visible min; sharp UC and LC is brittle faulted so no measurement;											
	F029612	1707.4	1708.2	0.005																	
	F029613	1708.2	1709	0.015	1707.4	1710.5	4F	B	POR BL	brown and yellow; fg to mg garnet-biotite-staurolite schist; same unit as above mafic dike; LC is marked where grts become significantly smaller and more abundant.											
	F029614	1709	1709.8	0.011																	
1710	F029615	1709.8	1710.5	0.008																	
	F029616	1710.5	1711	0.018																	
	F029617	1711	1712	0.012																	
	F029618	1712	1713	0.018																	
	F029619	1713	1714	0.013																	
	F029621	1714	1715	0.007																	
1715	F029622	1715	1716	0.009																	
	F029623	1716	1717	0.011	1710.5	1723.5	4F	B	POR BL	brown, fg garnet-biotite schist; porphyroblastic; ~30% 2-4mm grts; grts locally agglomerated forming weak bands; rare intervals with St porphyroblasts; up to ~1% Qz veins; Tr Po disseminations; 20cm 4E at 1721.5m with 2-3% Po; sharp LC.											
	F029624	1717	1718	0.005																	
	F029625	1718	1719	0.005																	
	F029626	1719	1720	0.015																	
	F029627	1720	1721	0.017																	
1720	F029628	1721	1721.4	0.013																	
	F029629	1721.4	1721.7	0.019																	
	F029631	1721.7	1722.6	0.009								4E	Dark green distorted garnet-amphibole ITF with ~2-3% Po disseminations.								

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Depth	Assay				MAJOR UNIT						Comments	MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments		Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F029631	1721.7	1722.6	0.009	1710.5	1723.5	4F	B	POR BL	brown, fg garnet-biotite schist; porphyroblastic; ~30% 2-4mm grts; grts locally agglomerated forming weak bands; rare intervals with St porphyroblasts; up to ~1% Qz veins; Tr Po disseminations; 20cm 4E at 1721.5m with 2-3% Po; sharp LC.											
	F029632	1722.6	1723.5	0.005																	
	F029633	1723.5	1724.1	0.062	1723.5	1724.1	2	GG	FOL	grey-green, fg mafic – possible dike(?); strong pervasive Bt alt in center of unit; Cb stringers present bottom 25cm; no visible min; sharp contacts.											
1725	F029634	1724.1	1725	0.006	1724.1	1732.1	4F	B	POR BL	brown-grey, fg garnet-biotite schist; 15-40% grts - anhedral and range in size from 2-5mm; unit appears to be gently folded as bedding gently flips back and forth; minor intercalated grt-amp; Tr Po disseminations; gradational LC.											
	F029635	1725	1726	0.005																	
	F029636	1726	1727	0.005																	
	F029637	1727	1728	0.005																	
	F029638	1728	1729	0.005																	
	F029639	1729	1729.7	0.006																	
1730	F029641	1729.7	1730	0.006																	
	F029642	1730	1730.7	0.006																	
	F029643	1730.7	1731.3	0.006																	
	F029644	1731.3	1732.1	0.006																	
	F029645	1732.1	1733	0.009	1732.1	1735.8	4E	DG	POR BL	dark green, fg garnet-amphibole ITF; ~35% 2-4mm anhedral grts in a dark green amp groundmass and agglomerated cg grts (>1cm); tr Po disseminations; sharp LC;											
	F029646	1733	1734	0.013																	
	F029647	1734	1735	0.089																	
1735	F029648	1735	1735.8	0.008																	
	F029649	1735.8	1736.8	0.011	1735.8	1753.3	2	GG	FOL	grey-green, fg mafic metavolcanic; well foliated; weak Chl alt; localized Qz-Cb veins; brittle faulting with intervals of fault gouge between 1749.9-1750.5m and 1751.8-1752.5m; no visible min; LC is gradational or diffuse – hard to see past oil staining.											
	F029651	1736.8	1737.8	0.024																	
1740																					
1745																					
1750																					
	F029652	1751.3	1752.3							brown, fg-mg garnet-biotite-staurolite schist; porphyroblastic; 15-25% 4-12mm subhedral grts; abundant ~1mm St porphyroblastic; no visible min; gradational LC.											
	F029653	1752.3	1753.3	0.005						dark green, grey-green, fg garnet-amphibole+/-grunerite ITF; locally magnetic; mod banded to distorted; bands of grt-amp, grt-poor amp; agglomerated grts; and grt-gru; 1754.8-LC is distorted and associated with ~5% Po disseminations and stringers;											
	F029654	1753.3	1753.8	0.005						Brown, fg garnet-biotite+/-staurolite schist; porphyroblastic; ~15% 4-10mm subhedral grts; 0.5% Po disseminations; gradational LC to 6W that is basically same unit but less grts.											
	F029655	1753.8	1754.8	0.005	1753.3	1753.8	4F	B	POR BL												
	F029656	1754.8	1755.4	0.082	1753.8	1755.4	4E	DG	DIST POR BL	Brown, fg garnetiferous metasediments; 2-5% 3-10mm grts – decreases in abundance moving downhole; basically same unit as 4F above but grts grade out; Tr Po disseminations and blebs; irregular LC.	gradational LC.										
	F029657	1755.4	1756	0.105																	
1755	F029658	1756	1756.6	0.005																	
	F029659	1756.6	1757	0.005	1755.4	1756.6	4F	B	POR BL	grey-green, fg mafic metavolcanic; well foliated; weak to mod Bt alt as ~1mm wisps and weak to mod pervasive Chl alt; one Po stringer at 1758.7m; sharp LC.											
	F029661	1757	1758	0.006																	
	F029662	1758	1758.6	0.037	1756.6	1758	6W	B	FOL FOL POR BL	dark green, fg garnet-amphibole ITF; locally magnetic moderately banded; ~15% ~5mm anhedral grts; 2-3% planar Qz veins; ~3% Po disseminations; gradational LC.											
	F029663	1758.6	1758.9	0.021																	
	F029664	1758.9	1759.5	0.011																	
	F029665	1759.5	1760	0.014	1758	1760	2	GG	FOL	grey-brown, fg garnetiferous metasediments; 1-3% 2-4mm grts increases downhole; minor intercalated ~1cm Grt-Bt (4F) bands; ~1% Po wisps; gradational LC.											
	F029666	1760	1760.3	0.053	1760	1760.3	4E	DG	POR BL	dark green, fg garnet-amphibole ITF; porphyroblastic; ~40% >1cm anhedral grts – locally agglomerating forming weak bands; 2-3% planar Qz veins; ~1% Po disseminations; gradational LC.											
1760	F029667	1760.3	1760.6	0.128	1760.3	1760.6	6W	B													
	F029668	1760.6	1761	0.014	1760.6	1761	4E	DG	POR BL	grey-brown, fg garnet-biotite schist, ~40% sub to anhedral grts – often weakly agglomerated; minor interacted grt-amp bands; ~2% 1-3cm Qz veins upper half, 15% towards LC; Tr to 0.5% Po disseminations; Gradational LC											
	F029669	1761	1762	0.011	1761	1764.3	4F	B													
				0.083																	

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Assay

Depth	Sample	From	To	AU ppm
	F029669	1761	1762	0.083
	F029671	1762	1763	0.02
	F029672	1763	1763.7	0.021
	F029673	1763.7	1764.3	0.357
1765	F029674	1764.3	1764.7	0.068
	F029675	1764.7	1765.2	0.202
	F029676	1765.2	1766	0.635
	F029677	1766	1766.4	0.072
	F029678	1766.4	1767	0.017
	F029679	1767	1767.7	0.068
	F029681	1767.7	1768.1	0.03
	F029682	1768.1	1768.5	0.032
1770	F029683	1768.5	1769.5	0.016
	F029684	1769.5	1770.5	0.007
1775				
1780				
	F029685	1781.9	1782.9	0.014
	F029686	1782.9	1783.9	0.017
	F029687	1783.9	1784.9	1.47
1785	F029688	1784.9	1785.5	0.424
	F029689	1785.5	1786.3	0.033
	F029691	1786.3	1787	0.125
	F029692	1787	1787.8	0.031
	F029693	1787.8	1788.6	0.017
	F029694	1788.6	1789.4	0.007
	F029695	1789.4	1790.1	0.036
1790	F029696	1790.1	1790.8	0.009
	F029697	1790.8	1791.5	0.018
	F029698	1791.5	1792.2	1.45
	F029699	1792.2	1792.8	0.23
	F029701	1792.8	1793.8	0.345
	F029702	1793.8	1794.8	0.014
1795	F029703	1794.8	1795.7	0.018
	F029704	1795.7	1796.6	0.029
	F029705	1796.6	1797	23
	F029706	1797	1797.6	0.213
	F029707	1797.6	1798.2	1.51
	F029708	1798.2	1799.2	0.039
1800	F029709	1799.2	1800.2	0.193

MAJOR UNIT

From	To	Unit	Col	Text	Comments
1761	1764.3	4F	B	POR BL	grey-brown, fg garnet-biotite schist, ~40% sub to anhedral grts – often weakly agglomerated; minor interacted grt-amp bands; ~2% 1-3cm Qz veins upper half, 15% towards LC; Tr to 0.5% Po disseminations; Gradational LC
1764.3	1765.2	4FE	B	POR BL	grey-brown, dark green, fg garnet-biotite schist with~40% intercalated grt-amp; both lithologies are porphyroblastic with ~30-40% 2-4mm grts – more anhedral and attenuated in 4E; ~2% very fg Po disseminations associated with grt-amp;
1765.2	1766	4E	DG	DIST	gradational LC.
1766	1767.7	2	GG	FOL	dark green, fg garnet-amphibole ITF; locally magnetic; distorted; HZ 1765.7-1766 with mod Qz flooding and Cb alt; 5% Po wisps and stringers throughout; sharp LC.
1767.7	1768.5	4E	DG	DIST	grey-green; fg mafic metavolcanic foliated; mod to strong by alt; HZ with Cb stringers started at 1767.3 down through LC; 20cm 4E with 5% Po stringers at 1766.2m; no other min sharp LC.
1768.5	1783.9	2	GG	FOL	dark green, fg garnet-amphibole ITF; highly strained and distorted bands of grt amp with strong Chl alt and Cb stringers; 20cm unmineralized intercalated mafic metavolcanic 1768.1. 0.5-2% Po disseminations; diffuse LC. grey-green, fg mafic metavolcanic; well foliated; weak wispy Bt alt; localized intervals of weak brittle faulting along the fabric plane; ~2% planar Qz veining in center of unit with visible folds; no visible min; diffuse LC.
1783.9	1784.9	6W	B	FOL	brown, fg garnetiferous metasediments; well foliated; 1-2% anhedral cg grts; majority of unit looks like a grt-poor 4f; Tr Po disseminations; gradational LC.
1784.9	1786.3	4F	B	POR BL	brown, fg garnet-biotite schist; foliated; fabric at a shallow angle TCA; ~20% 4-10mm grts; minor grt-poor intervals; Tr Po disseminations; gradational LC.
1786.3	1787.8	6W	G	FOL	grey-brown, fg garnetiferous metasediments; well foliated; sparse grts; no visible min; lower half of unit is highly strained with likely intercalated mafic making the LC very diffuse.
1787.8	1788.6	2	DG	FOL	dark grey-green, fg mafic metavolcanic; foliated; highly strained with strong pervasive Bt alt; no visible min; diffuse LC.
1788.6	1790.1	6W	B	POR BL	brown and grey-brown, fg garnetiferous metasediments; foliated; 1-7% cg anhedral grts – most concentrated in center of unit – almost 4F looking but not quite; no visible min; diffuse LC.
1790.1	1791.5	2	GG	FOL	grey-green, fg mafic metavolcanic; foliated; mod bt and chl alt forming wispy bands; no visible min; sharp; LC.
1791.5	1792.8	4E	DG	BA	dark green, grey and pale green, fg garnet-amphibole+/-grunerite ITF; banded; locally strained; locally magnetic; margins are composed mainly of grt-amp with strong chl alt and center is grt-gru and chert; ~5% Po stringers; sharp LC.
1792.8	1796.6	2	GG	FOL	grey-green, fg mafic metavolcanic; foliated; weak Bt alt; local wispy Chl alt bands; 5% planar Qz veins starting in center of unit and continuing past LC; no visible min sharp LC.
1796.6	1798.2	4E	DG	FOL	dark green, fg garnet-amphibole+/-grunerite ITF; porphyroblastic; mod banded; mod chl altering amp; 5-30% ~1cm grts – increasing in abundance towards LC; 10% Po stringers top 40cm; ~3-5% planar Qz veins; Sharp LC.
1798.2	1821.1	2	GG	FOL	grey-green, fg mafic metavolcanic; foliated; local zones of broken core – looks like from drill but could be faulting; HZ from 1806-1813.5m with ~20% Qz veining and strong Bt and chl alt; no visible min; gradational LC.

Comments

MINOR UNIT

Unit	Comments
4E	Dark green, fg grt-amp ITF; 1-3% grts locally; wispy laminated bands of amp with strong chl alt and rare grts present near margins; ~5% Po stringers
2	Grey-green, fg mafic metavolcanic; foliated and strained; Cb stringers present and one Qz veins; no visible min.

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1805																					
1810																					
1815					1798.2	1821.1	2	GG	FOL	grey-green, fg mafic metavolcanic; foliated; local zones of broken core – looks like from drill but could be faulting; HZ from 1806-1813.5m with ~20% Qz veining and strong Bt and chl alt; no visible min; gradational LC.										
	F029711	1819.1	1820.1	0.013																	
1820	F030727	1820.1	1821.1	0.026																	
	F030728	1821.1	1822	1.65	1821.1	1822	4E	DG	FOL	dark green, fg, <5% mg grt porph, hosts high strain zone, mod qz flooding, ~7% dis/strgr po throughout, sharp dyke lower contact											
	F030729	1822	1823	0.01	1822	1825.3	13	G	MA	dark grey, fg-mg, massive, cb rich, dolomite rich, hosts brittle fault, faulted contact											
	F030731	1823	1824	0.01																	
	F030732	1824	1824.8	0.013																	
1825	F030733	1824.8	1825.3	0.018																	
	F030734	1825.3	1826	0.023	1825.3	1833.6	4F	B	POR BL	dark brown and green, fg bt matrix, mg-cg sporadic grt porph, hosts patches of amp-grt intervals, hosts local high strain interval with significant qz flooding and 10% dis/strgr po mineralization, hosts broken core along joint surfaces,	grts are coarser within the amp-grt intervals, gradational lower contact										
	F030735	1826	1826.5	0.01																	
	F030736	1826.5	1827.2	1.507																	
	F030737	1827.2	1828	1.52																	
	F030738	1828	1829	1.141																	
	F030739	1829	1830	3.98																	
1830	F030741	1830	1831	2.059																	
	F030742	1831	1831.5	0.673																	
	F030743	1831.5	1832.5	0.162																	
	F030744	1832.5	1833	0.031																	
	F030745	1833	1833.6	0.041																	
	F030746	1833.6	1834.6	1.399	1833.6	1835.6	4EA	DG	POR BL	dark grey and green gru-amp with grt-chert, mg-cg grt porph, well developed, mod patchy mag, mod strain, ~1% interstitial dis po, <5% qz flooding, gradational lower contact											
1835	F030747	1834.6	1835.6	0.872																	
	F030748	1835.6	1836.6	5.649	1835.6	1841.2	4BF	G	BA	dark grey-green-brown chert-mag with grt-bt bands, fg, mod distorted to well banded, hosts high strain interval, ~40% local grey qz flooding, up to 5% dis/strgr po, hosts wk gru alteration gradational lower contact											
	F030749	1836.6	1837.5	1.05																	
	F030751	1837.5	1838.5	3.954																	
	F030752	1838.5	1839.3	2.459																	
1840	F030753	1839.3	1840.2	0.414																	
	F030754	1840.2	1841.2	0.069																	
	F030755	1841.2	1842.2	0.049	1841.2	1844.2	13	G	MA	dark grey, fg-mg, massive, cb rich, dolomite rich, hosts brittle fault, sharp lower contact											

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F030755	1841.2	1842.2	0.049	1841.2	1844.2	13	G	MA	dark grey, fg-mg, massive, cb rich, dolomite rich, hosts brittle fault, sharp lower contact											
	F030756	1842.2	1843.2	0.036																	
	F030757	1843.2	1844.2	0.056																	
	F030758	1844.2	1845	0.017	1844.2	1851.5	4EA	DG	PORBL	dark grey and green, fg, gru-amp with grt-chert, overall mod to well banded, 1-5% dis/int po, patchy mod mag, wk-mod strain, grunerite decreasing at depth, gradational/transitional lower contact											
1845	F030759	1845	1846	0.019																	
	F030761	1846	1847	0.016																	
	F030762	1847	1847.4	0.036																	
	F030763	1847.4	1848	0.135																	
	F030764	1848	1848.7	0.353																	
	F030765	1848.7	1849.1	0.085																	
	F030766	1849.1	1849.9	0.074																	
1850	F030767	1849.9	1850.9	19.99																	
	F030768	1850.9	1851.5	9.331																	
	F030769	1851.5	1852.5	0.357	1851.5	1856.5	4BF	G	BA	dark grey-green and brown, chert-mag with grt-bt bands, fg to aph, moderate distorted with localized well banding, hosts up to 10% veining with 10% dis/strgr po, strong mag, 1% thin carbonate stringers, gradational contact											
	F030771	1852.5	1853.5	0.021																	
	F030772	1853.5	1854.4	0.018																	
	F030773	1854.4	1854.9	6.147																	
1855	F030774	1854.9	1855.9	0.233																	
	F030775	1855.9	1856.5	0.051																	
	F029712	1856.5	1857.4	0.56	1856.5	1877.6	4B	G	BA	grey and dark grey/black; fg chert-magnetite BIF; strongly magnetic, laminated 1-3cm bands of chert and mag; local minor marginal gru alt; minor intercalated clastic bands; sparse mineralization;	Qz flooded HZ 1873m-1873.4m with ~1% Vn hosted Po disseminations; gradational LC.										
	F029713	1857.4	1858	0.027																	
	F029714	1858	1859	0.005																	
	F029715	1859	1860	0.105																	
1860	F029716	1860	1861	0.01																	
	F029717	1861	1862	0.166																	
	F029718	1862	1863	0.078																	
	F029719	1863	1864	0.05																	
	F029721	1864	1865	0.024																	
1865	F029722	1865	1866	0.024																	
	F029723	1866	1867	0.03																	
	F029724	1867	1867.8	0.07																	
	F029725	1867.8	1868.5	0.301																	
	F029726	1868.5	1869.1	0.561																	
	F029727	1869.1	1869.4	1.67																	
	F029728	1869.4	1870	0.265																	
1870	F029729	1870	1871	0.059																	
	F029731	1871	1872	0.718																	
	F029732	1872	1873																		
	F029733	1873	1873.4	0.536																	
	F029734	1873.4	1874	0.621																	
	F029735	1874	1874.5	0.026																	
	F029736	1874.5	1875	0.039																	
1875	F029737	1875	1876	0.237																	
	F029738	1876	1877	0.008																	
	F029739	1877	1877.6	0.023																	
	F029741	1877.6	1878	0.019																	
	F029742	1878	1878.4	0.038																	
	F029743	1878.4	1878.7	0.018	1877.6	1882.1	4A	G	LAM	grey, pale green, fg chert-grunerite BIF; distorted laminated bands of chert and wispy gru; rare 4mm possible relict grts(?); fabric flips between ~1880.6m and then flops back to normal at LC; ~10cm intercalated mafic salvage at 1881.9m; ~1% Po locally;	irregular LC.										
	F029744	1878.7	1879.4	0.087																	
	F029745	1879.4	1880.1	0.023																	
1880	F029746	1880.1	1880.9	0.012																	
	F029747	1880.9	1881.8	0.048																	
	F029748	1881.8	1882.1	0.072								3A	grey, fg andesite(?) salvage – same unit as 3A logged below 4A; no visible min; irregular LC.								
				0.012																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F029748	1881.8	1882.1	0.012	1877.6	1882.1	4A	G	LAM	grey, pale green, fg chert-grunerite BIF; distorted laminated bands of chert and wispy gru; rare 4mm possible relict grts(?); fabric flips between ~1880.6m and then flops back to normal at LC; ~10cm intercalated mafic salvage at 1881.9m; ~1% Po locally;	irregular LC.										
	F029749	1882.1	1883.1	0.006																	
	F029751	1883.1	1884.1	0.005																	
1885					1882.1	1893.5	3A	G	FOL	grey, fg intermediate flow – andesite; strongly foliated; mod pervasive and wispy Bt alt; fabric becomes very shallow TCA moving downhole; local brittle fracturing sub-parallel TCA along Bt alt bands along fabric plane; no visible min; EOH										
1890																					
1895																					
1900																					
1905																					
1910																					
1915																					
1920																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
5																					
10																					
15																					
20					0	1063.4	Wedge hole no log														
25																					
30																					
35																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
45																					
50																					
55																					
60					0	1063.4	Wedge hole no log														
65																					
70																					
75																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
85																					
90																					
95																					
100					0	1063.4	Wedge hole no log														
105																					
110																					
115																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
125																					
130																					
135																					
140					0	1063.4	Wedge hole no log														
145																					
150																					
155																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
165																					
170																					
175																					
180					0	1063.4	Wedge hole no log														
185																					
190																					
195																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
205																					
210																					
215																					
220					0	1063.4	Wedge hole no log														
225																					
230																					
235																					
240																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
245																					
250																					
255																					
260					0	1063.4	Wedge hole no log														
265																					
270																					
275																					
280																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
285																					
290																					
295																					
300					0	1063.4	Wedge hole no log														
305																					
310																					
315																					
320																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
325																					
330																					
335																					
340					0	1063.4	Wedge hole no log														
345																					
350																					
355																					
360																					

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	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
365																					
370																					
375																					
380					0	1063.4	Wedge hole no log														
385																					
390																					
395																					
400																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
405																					
410																					
415																					
420					0	1063.4	Wedge hole no log														
425																					
430																					
435																					
440																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
445																					
450																					
455																					
460					0	1063.4	Wedge hole no log														
465																					
470																					
475																					
480																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
485																					
490																					
495																					
500					0	1063.4	Wedge hole no log														
505																					
510																					
515																					
520																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
525																					
530																					
535																					
540					0	1063.4	Wedge hole no log														
545																					
550																					
555																					
560																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
565																					
570																					
575																					
580					0	1063.4	Wedge hole no log														
585																					
590																					
595																					
600																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
605																					
610																					
615																					
620					0	1063.4	Wedge hole no log														
625																					
630																					
635																					
640																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
645																					
650																					
655																					
660					0	1063.4	Wedge hole no log														
665																					
670																					
675																					
680																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
685																					
690																					
695																					
700					0	1063.4	Wedge hole no log														
705																					
710																					
715																					
720																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
725																					
730																					
735																					
740					0	1063.4	Wedge hole no log														
745																					
750																					
755																					
760																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
765																					
770																					
775																					
780					0	1063.4	Wedge hole no log														
785																					
790																					
795																					
800																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
805																					
810																					
815																					
820					0	1063.4	Wedge hole no log														
825																					
830																					
835																					
840																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
845																					
850																					
855																					
860					0	1063.4	Wedge hole no log														
865																					
870																					
875																					
880																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
885																					
890																					
895																					
900					0	1063.4	Wedge hole no log														
905																					
910																					
915																					
920																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
925																					
930																					
935																					
940					0	1063.4	Wedge hole no log														
945																					
950																					
955																					
960																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
965																					
970																					
975																					
980					0	1063.4	Wedge hole no log														
985																					
990																					
995																					
1000																					

19-NSD-015

	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
Depth	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1005																					
1010																					
1015																					
1020					0	1063.4	Wedge hole no log														
1025																					
1030																					
1035																					
1040																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1045																					
1050					0	1063.4	Wedge hole no log														
1055																					
1060																					
1065					1063.4	1084.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Locally very weakly magnetic. Well foliated to locally sheared/highly strained. Mod local prv ser. Abund musc. Mod patchy cb alt. 5-10% local qz-cb veining. No sig min. Gradational LC.											
1070																					
1075																					
1080																					

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Assay

Sample	From	To	AU ppm
F025386	1083.5	1084.5	0.005
F025387	1084.5	1084.9	0.007
F025388	1084.9	1085.4	0.01
F025389	1085.4	1085.9	0.012
F025391	1085.9	1086.3	0.01
F025392	1086.3	1087.3	0.005
F025393	1087.3	1088.3	0.005
F025394	1099	1100	0.009
F025395	1100	1101	0.006
F025396	1101	1102	0.011
F025397	1102	1102.9	0.009
F025398	1102.9	1103.9	0.009
F025399	1103.9	1104.9	0.013
F025401	1104.9	1105.9	0.009
F025402	1105.9	1106.9	0.015
F025403	1106.9	1107.9	0.012
F025404	1107.9	1108.9	0.009
F025405	1108.9	1109.9	0.009
F025406	1109.9	1110.7	0.008
F025407	1110.7	1111.7	0.008
F025408	1111.7	1112.7	0.008

MAJOR UNIT

From	To	Unit	Col	Text	Comments	Comments
1063.4	1084.5	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Locally very weakly magnetic. Well foliated to locally sheared/highly strained. Mod local prv ser. Abund musc. Mod patchy cb alt. 5-10% local qz-cb veining. No sig min. Gradational LC.	
1084.5	1086.3		G	FOL	Dark grey metased (6). Fine grained w no visible lapilli. Foliated. Locally weakly magnetic. Mod meth faulting w qz infill and Po min. Tr-2% local Po. 3-4% qz-cb veining. Sheared LC.	
1086.3	1089.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abundant white sub-rounded lapilli. Well foliated to locally sheared. 3-5% qz-cb veining. Tr local Po. Very weakly magnetic. Mod musc. Mod cb.	
1089.5	1090.6	MIS			1.1m missing core to due clappison wedge.	
1090.6	1125.1	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abundant white sub-rounded lapilli. Well foliated to locally sheared & highly strained. Mod cb alt. Abund musc. Very weakly magnetic. 7-10% qz-cb veining. Tr-1% Po and tr-2% Py. Min in both veins & groundmass.	Local mod ser. Mod patches of green amp. Strong brittle fault from 1116.7-1117.1m w very rubbly/blocky core. Sct minor meth flt splays. Local mod fracturing. Gradational LC.

MINOR UNIT

Unit	Comments

ALTERATION

Bio	Car	Chl	Gru	Hem	Ser	Si	Comments

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1090.6	1125.1	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abundant white sub-rounded lapilli. Well foliated to locally sheared & highly strained. Mod cb alt. Abund musc. Very weakly magnetic. 7-10% qz-cb veining. Tr-1% Po and tr-2% Py. Min in both veins & groundmass.	Local mod ser. Mod patches of green amp. Strong brittle fault from 1116.7-1117.1m w very rubbly/blocky core. Sct minor meth flt splays. Local mod fracturing. Gradational LC.										
1125					1125.1	1128.2		G	FOL	Med-dark grey metased (6). Fine grained w local minor grt. Foliated. Patchy green and brown 'bands'. Mod bt. Sporadic meth flt splays. No sig min. Very weakly magnetic. Mod brittle fracturing. 1-2% qz-cb veining.											
					1128.2	1128.7				50cm missing core due to grind.											
					1128.7	1129.2		G	FOL	Similar to metased (6) above. No sig min. 1-2% qz-cb veining. Gradational LC.											
1130					1129.2	1142.7	6 3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abund white lapilli. Well foliated. Locally mod fracturing. 60cm extra core between 1131-1134m. 2-3% qz-cb veining. Sporadic meth flt splays. Very weakly magnetic. No sig min. Poss chill margin at LC w mafic.	Increased qz-cb stringers towards LC. Gradational or poss chilled LC.										
1135																					
1140																					
1145					1142.7	1151.7	2	GG	FOL	Dark grey-green mafic volc (2). Fine grained. Well foliated. Weakly magnetic. Abund bt wisps. 7-10% qz-cb veining. Tr local Po up to 1% Po localized to qz-cb vein. Mod sporadic fracturing. Gradational to sharp LC.											
	F025409	1146.3	1147.3	0.009																	
	F025411	1147.3	1148.3	0.012																	
	F025412	1148.3	1148.6	0.012																	
	F025413	1148.6	1149.6	0.012																	
1150	F025414	1149.6	1150.6	0.012																	
1155					1151.7	1169.1	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abundant white lapilli. Well foliated. Locally very weakly magnetic. Local mod ser assoc w vns and locally prv. Local meth flt splays w light green staining. SZ from 1162.5-1163.4m w abund qz-cb flooding.	15-25% qz-cb veining. Tr local Po. Gradational LC. SZ/HZ w abund qz-cb flooding from 1166.6-1170.4m.										
1160																					

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1165					1151.7	1169.1	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fg w abundant white lapilli. Well foliated. Locally very weakly magnetic. Local mod ser assoc w vns and locally prv. Local meth flt splays w light green staining. SZ from 1162.5-1163.4m w abund qz-cb flooding.	15-25% qz-cb veining. Tr local Po. Gradational LC. SZ/HZ w abund qz-cb flooding from 1166.6-1170.4m.									
1170																					
1175																					
1180					1169.1	1191.3	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w abund cgr pink grt. Well foliated. Locally very weakly magnetic. SZ from UC to 1170.3m based on qz-cb flooding. 5-10% qz-cb veining w wk lcl ser. Local trc Po/Py assoc w veining & groundmass.	No visible lapilli. Sporadic meth flt splays. Gradational LC.									
1185																					
1190																					
					1191.3	1195.1		G	FOL	Med-dark grey metased (6). No visible lapilli. Fine grained. Well foliated. Mod patchy qz-cb nodules (most likely not lapilli; poss alt grt?). Locally very weakly magnetic. Tr Po in groundmass. 1-3% qz-cb veinlets. Gradational LC.										
1195																					
					1195.1	1201.9	6W	G	FOL	Med grey to grey-green grt-bearing metased (6W). Fine grained w mod pink grt. Well foliated w light grey wispy bands & sporadic greenish bands. Nonmagnetic. Weak-mod fracturing throughout following fabric. 1-2% qz-cb veining. No sig min. Gradational LC.										
1200																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1195.1	1201.9	6W	G	FOL	Med grey to grey-green grt-bearing metased (6W). Fine grained w mod pink grt. Well foliated w light grey wispy bands & sporadic greenish bands. Nonmagnetic. Weak-mod fracturing throughout following fabric. 1-2% qz-cb veining. No sig min. Gradational LC.											
	F025415	1201.9	1202.5	0.009																	
	F025416	1202.5	1203.1	0.008																	
	F025417	1203.1	1204.1	0.008																	
	F025418	1204.1	1204.4	0.006																	
1200	F025419	1204.4	1204.8	0.007																	
	F025421	1204.8	1205.8	0.01																	
	F025422	1205.8	1206.8	0.011	1201.9	1210.2		G	FOL	Dark grey metased (6). Fg w minor sporadic grt. No visible lapilli. Well fol. Sporadic green & white wispy qz-cb stringers. Nonmagnetic. Minor patchy cb stringers. Locally folded qz-cb veinlet @ 1204.2m. 1-3% qz-cb veining. Tr Po in veining & groundmass.	Gradational LC.										
1210					1210.2	1216.3	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w mod sct grt. Locally very weakly magnetic. Sporadic minor green bands. 3-4% qz-cb veining w minor ser alt. Tr sct Po in groundmass. Poss HZ w cb stringers @ 1209.2-1209.3m. Gradational LC.											
1215					1216.3	1219.4		G	FOL	Med-dark grey metased (6). Fine grained. No visible lapilli. Well foliated. 1-2% qz-cb veining w weak-mod ser. Very weakly magnetic. Abund bt w sporadic green bands (poss mafic?). Tr lcl Po. Gradational LC.											
1220					1219.4	1222.3	6W	G	FOL	Med grey grt-bearing metased (6W). Fine grained w sct pink grt. Well foliated. Nonmagnetic. Mod bt. 1% qz-cb veining. Tr lcl Po assoc w vein and groundmass. Sporadic beige wispy bands. Sporadic weak meth flt splays. Gradational LC.											
					1222.3	1225.7	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abundant white-grey lapilli. Well foliated. 1-2% qz-cb veinlets. Mod meth flt at 1222.8m w qz-cb infill and mod ser. Wispy beige bands. Tr lcl Po in groundmass. Gradational LC.											
1225					1225.7	1229.3	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w mod sct pink grt. Well foliated. Locally very weakly magnetic. Sct low angle meth flt splays. <1% qz-cb veining. No significant mineralization. Sporadic wispy beige bands. Gradational LC.											
1230					1229.3	1238.4	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w mod patchy white lapilli. Well foliated. Locally very weakly magnetic. Mod sct wispy beige bands. Sporadic grt grains. 2-3% white qz-cb veining. No significant mineralization. Gradational LC.											
1235																					
1240					1238.4	1254	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w patchy to sct pink grt. Well foliated. Mod sct wispy beige bands. Mod sct meth flt splays w green alt staining host rock. Nonmagnetic. 2-3% qz-cb veining w lcl ser alt. Tr lcl Po in groundmass.	Weak-mod brittle fracturing following fabric. Gradational LC.										

19-NSD-015

Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1245					1238.4	1254	6W	G	FOL	Med-dark grey grt-bearing metased (6W). Fine grained w patchy to sct pink grt. Well foliated. Mod sct wispy beige bands. Mod sct meth flt splays w green alt staining host rock. Nonmagnetic. 2-3% qz-cb veining w lcl ser alt. Tr lcl Po in groundmass.	Weak-mod brittle fracturing following fabric. Gradational LC.										
1250																					
1255					1254	1258.6	3F	G	FOL	Dark grey felsic lapilli tuff (3F). Fg w mod white sct lapilli. Well foliated. Nonmagnetic. Sct weak meth flt splays w light green-beige staining. 2-3% qz-cb veining w weak ser. Minor sporadic grt assoc w some qz-cb veinlets. Tr lcl Po assoc veinlets.	Gradational LC.										
1260					1258.6	1268		G	LA	Dark grey metased (6). Fine grained. Laminated to fol Local wispy beige bands. Very weakly magnetic. Abund bt. Patches of weak (poss) lapilli; may not be true lapilli. Sct weak meth flt splays. Brittle fracturing/faulting w blocky core at 1265.4-1265.6m.	3-5% qz-cb veining. No sig min.										
1265																					
1270					1268	1272.2		G	FOL	Med grey metased (6). Fine grained. Well foliated. Fine grained. Very weakly magnetic. Minor patches of white lapilli. Mod thin qz-cb veinlets/stringers w thicker veins appearing towards LC. No sig min. Gradational LC.											
					1272.2	1273.4	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant white lapilli. Mod-strong foliated. Nonmagnetic. 7-10% qz veining w weak lcl green amp alt. Mod thin beige ser alt bands at 1273m. Qz flooding LC. No sig min.											
					1273.4	1274	1	DG	FOL	Med-dark green ultramafic (1). Fine-medium grained. Weakly foliated to mottled. Mod serp/talc alt making core soft. Mod magnetic. 1-3% grey-whitish qz-cb veinlets. No visible min. Sharp LC.											
1275					1274	1286.8	3F	G	FOL	Light-med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Mod-strong foliation. Very weakly magnetic. Mod beige ser alt bands gives core banded appearance. Sct weak meth flt splays w ser alt. No sig min. 3-5% qz veinlets.	Mod fracturing from 1276-1277.5m following fabric. Minor UM (1) at 1284.1-1284.3m. Sporadic grt w increased grt concentration towards LC. Sharp LC.										
1280																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1285					1274	1286.8	3F	G	FOL	Light-med grey felsic lapilli tuff (3F). Fine grained w mod white lapilli. Mod-strong foliation. Very weakly magnetic. Mod beige ser alt bands gives core banded appearance. Sct weak meth flt splays w ser alt. No sig min. 3-5% qz veinlets.	Mod fracturing from 1276-1277.5m following fabric. Minor UM (1) at 1284.1-1284.3m. Sporadic grt w increased grt concentration towards LC. Sharp LC.	1	Minor ultramafic (1) or poss 2. Weakly foliated to mottled. Fine grained. Soft to scratch. Weakly mag. 23cm wide. 1% qz-cb veining. No vis min.								
					1286.8	1287.7	2	DG	FOL	Dark green mafic volc (2). Fine grained. Weakly foliated w local distortion from qz-cb infill (meth flt splays?). Weakly magnetic. Mag susc avg is 0.49 SI. Some patches look similar to UM. 2-3% qz-cb veining. No vis min. Local fracturing & blocky core.	Sharp LC.										
1290					1287.7	1308	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained. Well foliated w mod white lapilli. Sporadic grt. Sct cb-green amp alt bands. Patches of no lapilli present. Locally very weakly magnetic. Mod prv musc throughout. Sct meth flt splays w green ser alt.	3-5% qz-cb veining. No sig min. Gradational LC.										
1295																					
1300																					
1305																					
1310					1308	1313.2		G	FOL	Med-dark grey metased (6). Fine grained. Well foliated. No visible lapilli. Nonmagnetic. Mod beige ser wisps/bands giving core locally banded appearance. Conveyor shear from 1311.2-1312.4m w strong cb & mod green amp alt. 10-15% qz veining.	Tr lcl Po assoc w veining & green amp & trm alt. Gradational LC.				STR						Strong cb and mod green amp alt assoc w SZ (conveyory shear?).
1315					1313.2	1325	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant patchy white lapilli. Well foliated w abundant beige ser wisps/bands. Mod sct meth flt splays w light green alt. Locally very weakly magnetic. 2-3% qz-cb veining. No sig min. Sharp LC.	Poss HZ w weak-mod ser and brown alt from 1322.6-1325m. Locally blocky fracturing.										
1320																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
					1313.2	1325	3F	G	FOL	Med grey felsic lapilli tuff (3F). Fine grained w abundant patchy white lapilli. Well foliated w abundant beige ser wisps/bands. Mod sct meth flt splays w light green alt. Locally very weakly magnetic. 2-3% qz-cb veining. No sig min. Sharp LC.	Poss HZ w weak-mod ser and brown alt from 1322.6-1325m. Locally blocky fracturing.								MOD		Weak-mod ser alt and mod-strong brown alt of some sort (poss HZ?)
1325					1325	1341.7	1	GG	FOL	Med grey-green ultramafic (1). Fine grained to locally medium grained towards LC. Mottled to weakly-mod foliated. Mod magnetic. 3-4% white-light greenish qz-cb veining. No vis min. Mod serp/talc alt making core soft to scratch. Gradational LC.											
1330																					
1335																					
1340																					
					1341.7	1344.2	7A	DG	MA	Dark green gabbro (7A). Mg to locally cg. Massive to locally fol. Weakly mag to locally mod mag (mag susc ranges from 0.36-10.1 (SI). Possible mg-cg UM. Lcl minor bt wisps. 1-2% qz-cb veining. HZ from 1343.6-1344.2m w abund green amp & weak-mod cb alt.	Minor mafic volc (2) from 1343.4-1343.6m. No vis min. Sharp LC.	2	Poss minor mafic volc (2) w/in gabbro. Fine grained w weak-mod bt wisps & well foliated. Weakly magnetic. Somewhat sharp contacts. 24cm wide.		MOD						Mod-strong green amp alt and mod prv & stringer cb assoc w HZ/SZ.
1345																					
1350																					
					1344.2	1379.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abund m-cg white lapilli. Mod-strong foliated. Patches of decreased lapilli. Local Po up to 1% assoc w green amp alt around minor cb veinlets. 5-7% qz-cb veinlets w sporadic veins of 1-3cm wide.	Sct meth flt splays w light green ser alt bleeding into host rock. LC is gradational.											
1355																					
1360															WK						Mod green amp alt assoc w minor cb veinlets/stringers sct throughout interval.

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1365															WK						Mod green amp alt assoc w minor cb veinlets/stringers sct throughout interval.
1370					1344.2	1379.5	3F	G	FOL	Med-dark grey felsic lapilli tuff (3F). Fine grained w abund m-cg white lapilli. Mod-strong foliated. Patches of decreased lapilli. Local Po up to 1% assoc w green amp alt around minor cb veinlets. 5-7% qz-cb veinlets w sporadic veins of 1-3cm wide.	Sct meth flt splays w light green ser alt bleeding into host rock. LC is gradational.										
1375																					
	F025423	1377.5	1378.5	0.009																	
	F025424	1378.5	1379.5	0.013																	
1380	F025425	1379.5	1380.5	0.128	1379.5	1381.6	4E	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) mod internally foliated, fg-mg porph grts, non-magnetic. Local minor 4E bands observed throughout. Moderate white qz stringer throughout influencing trace disseminated	po mineralization associated with minor 4E bands. LC is gradational.										
	F025426	1380.5	1381	0.012																	
	F025427	1381	1381.6	0.013																	
	F025428	1381.6	1382.3	0.033	1381.6	1391.9	4FE	B	DIST	Brown/pink/green, fg groundmass, grt-bt schist with abundant bands of grt-amp schist (4FE) mod distorted alternating bands, fg-mg porph grts, non-magnetic. Mod HZ from 1383.2-1388.4m causing moderate isoclinal z-folding w mod white	qz stringers throughout. 0.5% diss po min adjacent to LC. LC is gradational.										
	F025429	1382.3	1383	0.012																	
	F025431	1383	1384	0.019																	
	F025432	1384	1385	0.015																	
1385	F025433	1385	1386	0.013																	
	F025434	1386	1386.4	0.013																	
	F025435	1386.4	1386.8	0.014																	
	F025436	1386.8	1387.2	0.032																	
	F025437	1387.2	1387.9	0.073																	
	F025438	1387.9	1388.9	0.02																	
	F025439	1388.9	1389.9	0.013																	
1390	F025441	1389.9	1390.4	0.009																	
	F025442	1390.4	1391.1	0.01																	
	F025443	1391.1	1391.9	0.037																	
	F025444	1391.9	1392.9	0.005	1391.9	1423.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong to int pervasive ser alteration. Mod HZ from 1403.8-1404.9m causing strong white qz flooding, HZ from 1412.9-1414.7m w int cb flooding.	Mod to str brittle faulting develops @ 1415m. No mineralization. LC is gradational.										
	F025445	1392.9	1393.9	0.005																	
1395																					
1400																					

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
1405																					
1410																					
1415																					
1420																					
	F025446	1421.7	1422.7	0.005	1391.9	1423.7	3F	G	FOL	Light grey, fg, felsic lapilli tuff (3F) well foliated, non-magnetic. Strong to int peivasive ser alteration, Mod HZ from 1403.8-1404.9m causing strong white qz flooding, HZ from 1412.9-1414.7m w int cb flooding.	Mod to str brittle faulting develops @ 1415m. No mineralization. LC is gradational.										
	F025447	1422.7	1423.7	0.005																	
	F025448	1423.7	1424.7	0.008	1423.7	1431.7	4F	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) mod internally foliated, fg-mg sub-euhedral porph grts, non-magnetic. Weak planar qz veining observed throughout, no visible mineralization. LC is sharp.											
1425	F025449	1424.7	1425.7	0.146																	
	F025451	1425.7	1426.7	0.005																	
	F025452	1426.7	1427.7	0.005																	
	F025453	1427.7	1428.7	0.056																	
	F025454	1428.7	1429.7	0.007																	
1430	F025455	1429.7	1430.7	0.006																	
	F025456	1430.7	1431.7	0.006																	
	F025457	1431.7	1432.7	0.007	1431.7	1434.2	4E	DG	DIST	Dark green/pink, aph groundmass, grt-amp schist (4E) mod to strongly attenuated and distorted groundmass, non-magnetic. Abundant lineated/boudinaged qz veining observed throughout ranging from 2-10mm wide attenuated along mod HZ axis.	Local trace litho hosted po mineralization. LC is gradational.										
	F025458	1432.7	1433.7	0.005																	
	F025459	1433.7	1434.2	0.008																	
	F025461	1434.2	1435	0.019	1434.2	1439.3	4F	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) mod internally foliated, fg-mg euhedral porph grts, non-magnetic. Mod planar qz veining observed throughout unit;~1-5/m. Minor thin grt depleted bands observed locally, no visible mineralization.	Mod HZ develops @ 1439.1m causing decrease of grt grading towards LC. LC is sharp.										
1435	F025462	1435	1436	0.005																	
	F025463	1436	1437	0.005																	
	F025464	1437	1438	0.03																	
	F025465	1438	1439	0.077																	
	F025466	1439	1439.3	0.02																	
	F025467	1439.3	1440	0.016	1439.3	1445.9	1	G	FOL	Light grey, fg, ultramafic (1) moderately foliated, moderately magnetic. Strong pervasive tlc + srp alteration causing soapy texture. Mod HZ's cause distortion and attenuation of groundmass. No veining present or mineralization.	Local minor partially digested 4F band @ 1440.8m. LC is sharp and irregular.	4F									
1440	F025468	1440	1440.7	0.033																	
	F025469	1440.7	1441	0.081																	
	F025471	1441	1442	0.031																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F025471	1441	1442	0.031																	
	F025472	1442	1443	0.021																	
	F025473	1443	1444	0.024	1439.3	1445.9	1	G	FOL	Light grey, fg, ultramafic (1) moderately foliated, moderately magnetic. Strong pervasive tlc + srp alteration causing soapy texture. Mod HZ's cause distortion and attenuation of groundmass. No veining present or mineralization.	Local minor partially digested 4F band @ 1440.8m. LC is sharp and irregular.										
	F025474	1444	1445	0.185																	
1445	F025475	1445	1445.9	0.097																	
	F025476	1445.9	1446.9	0.948																	
	F025477	1446.9	1447.7	0.687	1445.9	1449.5	4E	DG	POR BL	Dark green/beige/pink, aph groundmass, grt-amp schist (4E) mod distorted, cg porph agglomerated grts, alternating bands, non-magnetic. Bands of both green amp and gru amp alternating throughout hosting 1-3% interstitial po mineralization.	LC is gradational with minor 4F bands becoming prominent adjacent to LC.										
	F025478	1447.7	1448.7	0.453																	
	F025479	1448.7	1449.5	0.202																	
1450	F025481	1449.5	1450.3	0.276	1449.5	1451.1	4F	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) fg-mg euhedral porph grts, non-magnetic. Patchy fg staurolite polluting groundmass, Grts become less abundant and coarser grained towards LC. Wk local planar qz veining observed.	No visible mineralization. LC is sharp and irregular.										
	F025482	1450.3	1451.1	0.01																	
	F025483	1451.1	1452.1	0.011																	
	F025484	1452.1	1453.1	0.015																	
	F025485	1453.1	1454	0.01	1451.1	1456.7	2	LG	FOL	Light green, fg, mafic metavolcanic (2) mod foliated, non-magnetic. Mod pervasive green amp alt, wk pervasive bt alt. No significant veining. Mod HZ develops @ 1456.5m and causes mod distortion and a diffuse LC.											
	F025486	1454	1454.7	0.011																	
1455	F025487	1454.7	1455.7	0.011																	
	F025488	1455.7	1456.7	0.021																	
	F025489	1456.7	1457.1	0.005																	
	F025491	1457.1	1458.1	0.018																	
	F025492	1458.1	1459.1	0.009																	
	F025493	1459.1	1460.1	0.006																	
1460	F025494	1460.1	1461.1	0.012																	
	F025495	1461.1	1462.1	0.061																	
	F025496	1462.1	1463.1	0.078																	
	F025497	1463.1	1464.1	0.031	1456.7	1469.8	4F	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) locally moderately internally foliated, fg-cg sub-euhedral porph grts, non-magnetic. Patchy fg staurolite polluting groundmass. Common planar qz veining throughout unit. No visible mineralization.	Minor unmineralized 6W @ 1464.2 m. LC is sharp.	6W									
	F025498	1464.1	1464.4	0.071																	
1465	F025499	1464.4	1465	0.01																	
	F025501	1465	1466	0.034																	
	F025502	1466	1467	0.035																	
	F025503	1467	1468	0.073						Grey/pink, fg, grt-bearing metasediment (6W) mg-cg anhedral porph grts, non-magnetic. Mod silicified and cb flooding/veining throughout. Unit is highly strained causing hydrothermal alteration and parasitic folding of veins. No visible mineralization.										
	F025504	1468	1469	0.019					POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) mg-cg subhedral porph grts, non-magnetic. Abundant fg st polluting groundmass, unit is moderately internally foliated. No veining or mineralization. LC is sharp.										
	F025505	1469	1469.8	0.026					POR BL	Grey/pink, fg groundmass, grt-bearing metasediment (6W) mod to strongly distorted, cg anhedral sub-rounded porph grts, non-magnetic. Wk pervasive green amp alt, irregular qz-cb veining. ~1% interstitial and disseminated po mineralization. LC is sharp.										
1470	F025506	1469.8	1470.6	0.018	1469.8	1470.6	6W	G	POR BL		LC is gradational.										
	F025507	1470.6	1471.4	0.054	1470.6	1471.4	4F	B	POR BL												
	F025508	1471.4	1471.9	0.26	1471.4	1471.9	6W	G	POR BL												
	F025509	1471.9	1472.5	0.045						Brown/pink, fg bt groundmass, grt-bt schist (4F) fg-mg porph grts, non-magnetic. Minor local 4E bands hosting trace diss po mineralization. Grt abundance becomes lower immediately adjacent to LC. No veining present. LC is sharp.										
	F025511	1472.5	1473	0.045	1471.9	1474	4F	B	POR BL												
	F025512	1473	1474	0.024																	
	F025513	1474	1474.4	0.008	1474	1474.4	2	G	FOL	Grey, fg, mafic metavolcanic (2) well foliated, non-magnetic. Mod pervasive ser + amp alt. No veining or mineralization. LC is sharp.											
1475	F025514	1474.4	1474.8	0.034	1474.4	1474.8	4F	B	POR BL	Brown/pink, fg bt groundmass, grt-bt schist (4F) well foliated, cg porph grts, non-magnetic. Minor planar and boudinaged qz. No mineralization. LC is sharp.											
	F025515	1474.8	1475.8	0.018																	
	F025516	1475.8	1476.8	0.019																	
					1474.8	1482.6	2	GG	DIST	Light greenish-grey, fg, mafic metavolcanic (2) well foliated, mod distorted, non-magnetic. Mod pervasive green amp alt, wk pervasive bt. HZ causes moderate silicification. No mineralization. LC is sharp.										
1480																					
	F025517	1480.6	1481.6	0.005																	
	F025518	1481.6	1482.6	0.005																	

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Depth	Assay				MAJOR UNIT							MINOR UNIT		ALTERATION							
	Sample	From	To	AU ppm	From	To	Unit	Col	Text	Comments	Comments	Unit	Comments	Bio	Car	Chl	Gru	Hem	Ser	Si	Comments
	F025518	1481.6	1482.6	0.005	1474.8	1482.6	2	GG	DIST	Light greenish-grey, fg, mafic metavolcanic (2) well foliated, mod distorted, non-magnetic. Mod pervasive green amp alt, wk pervasive bt. HZ causes moderate silicification. No mineralization. LC is sharp.											
	F025519	1482.6	1483	0.014	1482.6	1484.9	4E	BE	POR BL	Dark green/pink/beige, aph groundmass, grt-amp schist (4E) mod distorted, cg rounded porph grts, non-magnetic. Green amp adjacent to contacts and gru amp in middle of unit.	Grts are tightly agglomerated in gru amp bands with ~2.5% interstitial po mineralization. LC is sharp.										
	F025521	1483	1483.3	0.024																	
	F025522	1483.3	1484.3	0.033																	
	F025523	1484.3	1484.9	0.013																	
1485	F025524	1484.9	1485.9	0.022	1484.9	1506	2	GG	FOL	Greenish-grey, fg, mafic metavolcanic (2) mod to well foliated, non-magnetic. Mod pervasive bt + amp alteration. Common planar qz-cb veining typically associated w mafics.	Mod HZ from 1503.3-1504.8 m causing strong wispy bt and increased veining. No mineralization. EOH.										
	F025525	1485.9	1486.9	0.036																	
1490																					
1495																					
1500																					
1505																					
1510																					
1515																					
1520																					

NSD+KAZ+BOT+GRF Lodging Calculation:

215 Days Total Feb 11th to October 9th

87 Days February 11th to May 8th = 40% of Total Days (NSD Program Only)

128 Days May 9th to October 9th = 60% of Total Days (NSD+KAZ+BOT+GRF)

Total Expense = $308,480

40% of Total Expense = $123,392 → Adjusted = $61,696

60% of Total Expense = $185,088

NSD+KAZ+BOT+GRF Transportation Calculation:

Total Transportation = $1,396,852

February 27th to April 4th = $326,673 → Adjusted $163,337 (NSD Program Only)

May 17th to October 15th = $1,070,179

NSD Drilling Calculation:

Total Meters Drilled = 8502m

Total Expense = $1,082,016

Meters drilled Feb 11th to May 8th = 671m

Meters drilled May 9th to Oct 9th = 7831m

Total Expense Feb 11th to May 8th = $85,395 → Adjusted = $42,698

Total Expense May 9th to Oct 9th = $996,620