ASSESSMENT REPORT ON
2014 FALL DIAMOND DRILLING EXPLORATION PROGRAM
EAST LIMB PROJECT

CROCKETT, SANDY, HELLYER AND PINOGAMI
TOWNSHIPS
PORCUPINE DISTRICT, ONTARIO

Submitted to:
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INTRODUCTION

During the fall of 2014, Probe Mines Limited conducted an exploration drill hole program on its East Limb property. The East Limb property, part of Probe's ongoing regional exploration initiative, is located approximately 20 kilometres east of Probe's main Borden Gold project. It comprises a number of claims acquired through property acquisitions and staking. Eleven drill holes have been completed as part of the fall 2014 exploration drill hole program.

A surface gold showing was present on the Borden Gold Project and had been identified over an area 150 metres long by up to 45 metres wide, hosted by a highly altered and metamorphosed suite of rocks within the volcano-sedimentary horizon. Grab samples from selected outcrop returned values of up to 3.4 g/t gold, and the property is considered to have excellent potential to host a low-grade, bulk tonnage-type gold deposit. Limited exploration work investigating the base metal potential of the volcanic horizon was previously undertaken by Noranda. Sulphide mineralized felsic fragmental units were identified which returned anomalous base metal concentrations, suggesting good potential for hosting volcanogenic massive sulphide ("VMS") deposits.

In July 2010, an initial drill program on the Borden Gold Project was completed to test the extent of the surface showing. Results indicated that there was excellent potential to host a low-grade, bulk tonnage gold deposit on the property. Additional drilling on the property continued to illustrate this potential and in late 2012 a High Grade Zone (HGZ) was intersected in the southeastern area of the deposit. In June 2014, Probe released an updated NI 43-101 compliant Resource Estimate on the Borden Gold Deposit which outlined a High-grade Underground Resource as well as an Open pit-constrained Resource. The High-Grade U/G is estimated to contain a constrained Indicated Resource of 1.60 million ounces of gold averaging 5.39 g/t Au and an additional constrained Inferred Resource of 0.43 million ounces of gold averaging 4.37 g/t Au, at a 2.5 g/t Au cut-off grade. In addition, the deposit is estimated to contain an Open pit-constrained Resource of 2.32 million ounces of gold averaging 1.03 g/t Au, at a 0.5 g/t Au cut-off grade.

Drilling was completed on the East Limb project in December 2012 to February 2013 and was filed in assessment reports in February, April and November 2013. Local and regional programs were completed in the summer of 2013 on the East Limb project and comprised MMI sampling, prospecting, mapping and a LiDAR survey. Assessment on these activities was filed in December 2013. IP ground geophysical surveys as well as magnetic and VLF surveys, were conducted on five grids on the East Limb property. This work was filed for assessment in May 2014 as work report W1460.01165 and September 2014 as work report W1460.01832.

All maps coordinates are UTM Nad 83, Zone 17. All costs are in Canadian dollars.

LOCATION AND ACCESS

The East Limb project claims are located in the 1:50,000 NTS topographic sheets 41O14, 41O15 and 42B02, approximately 120 km southwest of the city of Timmins and 36 km east-northeast of the town of Chapleau, Ontario (Figure 1). Townships include Chewett, Sandy, Crockett, Raney, Hellyer, Evans, Pinogami, Ivanhoe and Carty. Access to the property is via Highway 101 and logging roads off the main highway. The East Limb property, part of Probe's ongoing regional exploration initiative, is located approximately 20 kilometres east of Probe's main Borden Gold project. It comprises a number of claims acquired through property acquisitions and staking.

The current report details work applicable to 7 claims, the details of which are listed in Table 1. The amount of credits applied from the work completed as detailed in this report is $380,174 and is being used towards keeping the project claims in good standing.

Table 1 – Mineral Claim Information

	Mineral Claim	District	Recording Date	Claim Due Date	Township	G Plan	Units
1	4259142	POR	December-31-10	December-31-15	PINOGAMI	G-1202	12
2	4259144	POR	December-31-10	December-31-15	CARTY	G-1070	12
3	4259618	POR	December-21-10	December-21-15	SANDY	G-1209	16
4	4259619	POR	December-21-10	December-21-15	SANDY	G-1209	16
5	4260442	POR	December-21-10	December-21-15	CROCKETT	G-1093	16
6	4260897	POR	December-21-10	December-21-15	CROCKETT	G-1093	16
7	4263009	POR	April-29-11	April-29-15	HELLYER	G-1140	16

GEOLOGY

Both the Borden Gold and East Limb Projects are located in the Superior Province of Northern Ontario. The Superior Province is divided into numerous subprovinces, bounded by linear faults and characterized by differing lithologies, structural/tectonic conditions, ages and metamorphic conditions. The subprovinces are divided into 4 categories: volcano-plutonic; metasedimentary; gneissic/plutonic; and high-grade gneissic (Thurston, 1991). The rocks range in age from 3.5Ga to less than 2.76 Ga and form an east-west trending pattern of alternating terranes.

Regionally, the Kapuskasing Structural Zone (KSZ), an elongate north to northeast trending structure, transects the Wawa Subprovince to the west, and the Abitibi Subprovince to the east (Figure 2). The KSZ is approximately 500km long, extending from James Bay at its northeast end to the east shore of Lake Superior at its southwest end. Typically, the KSZ is represented by high-grade metamorphic granulite and amphibolite facies paragneisses, tonalitic gneisses and anorthosite-suite gneisses occurring along a moderate northwest dipping crustal-scale thrust fault. This fault is believed to have resulted from an early Proterozoic event (Percival and McGrath 1986).

The Wawa and Abitibi Subprovinces, which abut the KSZ, are volcano-plutonic terranes comprising low-grade metamorphic metavolcanic-metasedimentary belts. They contain lithologically diverse metavolcanic rocks with various intrusive suites and to a lesser extent chemical and clastic metasedimentary rocks. The individual greenstone belts within the subprovinces have been intruded,

deformed and truncated by felsic batholiths. The east trending Abitibi and Swayze greenstone belts of the Abitibi Subprovince have historically been explored and mined for a variety of commodities; while the Wawa Subprovince hosts the east-trending Wawa greenstone belt and the Mishibishu greenstone belt where much exploration and mining has occurred.

Several alkalic rocks such as carbonatite complexes along with lamprohyric dykes intruded along the KSZ, approximately 1022 to 1141 Ma ago. The carbonatite occurrences appear to display close spatial relationships with major northeast-striking shear zones. Proximal to the project area, on the northern side of the KSZ, three (3) such complexes are known to occur. These include the Borden Township carbonatite complex, the Nemegosenda Lake alkalic complex; and the Lackner Lake alkalic complex.

LOCAL GEOLOGY

The Borden Lake greenstone belt is a west trending belt of supracrustal rocks, approximately 3 km wide, that includes mafic to ultramafic gneiss, pillow basalt, felsic metavolcanic rocks, felsic porphyries and tonalites which are overlain by a +30 m thick suite of Timiskaming-aged clastic metasediments (Moser 1989, Moser 1994, Moser 2008, Percival 2008). The sediments comprise greywackes, arkose, arenite, quartz pebble conglomerate and polymictic cobble conglomerate, metamorphosed to upper amphibolite facies. Gneissic fabrics are evident and the rocks appear to have been affected by regional deformation. Several episodes of deformation are reflected in the structural imprint of the rocks, with the last deformation being related to the development of the KSZ. The Borden Lake belt can be traced continuously for 35 km to the east and is considered to be one of the youngest in the KSZ (Percival and McGrath, 1986; Burnstall et al., 1994; Percival and West, 1994; Heather et al., 1995). The East Limb project is considered to be located within the Borden Lake greenstone belt, along its eastern extension. Similar rock types are observed, with the additional presence of anorthosites.

PREVIOUS WORK

Minimal previous work has been completed in the area of the East Limb property. Keevil Mining Group explored the area in the mid-1960s, as part of their Project Ivanhoe 679. On the Group 27 – Sandy & Crockett townships property, assessment report 41O15NW0001 summarizes the results of geophysical surveys and diamond drilling that was completed. The property was staked to cover a strong AEM anomaly identified from a survey that was flown in 1964. One drill hole was completed which intersected granite and hornblende gneisses, with a narrow zone of disseminated pyrrhotite and scattered stringers of massive pyrrhotite accounting for the conductor. Thinly disseminated pyrite and chalcopyrite were also noted. Results indicated low to nil nickel and copper values, it was reported that one sample of the mineralized core assayed trace in nickel and 0.01% in copper.

A discretionary gold occurrence, MDI42B02SW00007 is also located in the property area. The occurrence is the Keevil Group 38 from work in the mid-1960s. Assessment report 42B02SW0003 details the work completed by Keevil which includes trenching. Rock types encountered included biotite quartz feldspar gneisses and hornblende quartz feldspar gneisses, containing horizons interbedded with either 10-25% magnetite and 30-60% pyrite (west grid) or 10-20% magnetite and 40-70% pyrite (east grid). Reportedly, grab samples did not return any values, however grab samples by the OGS taken in 1992 returned 0.0097% Cu and 0.0172% Zn.

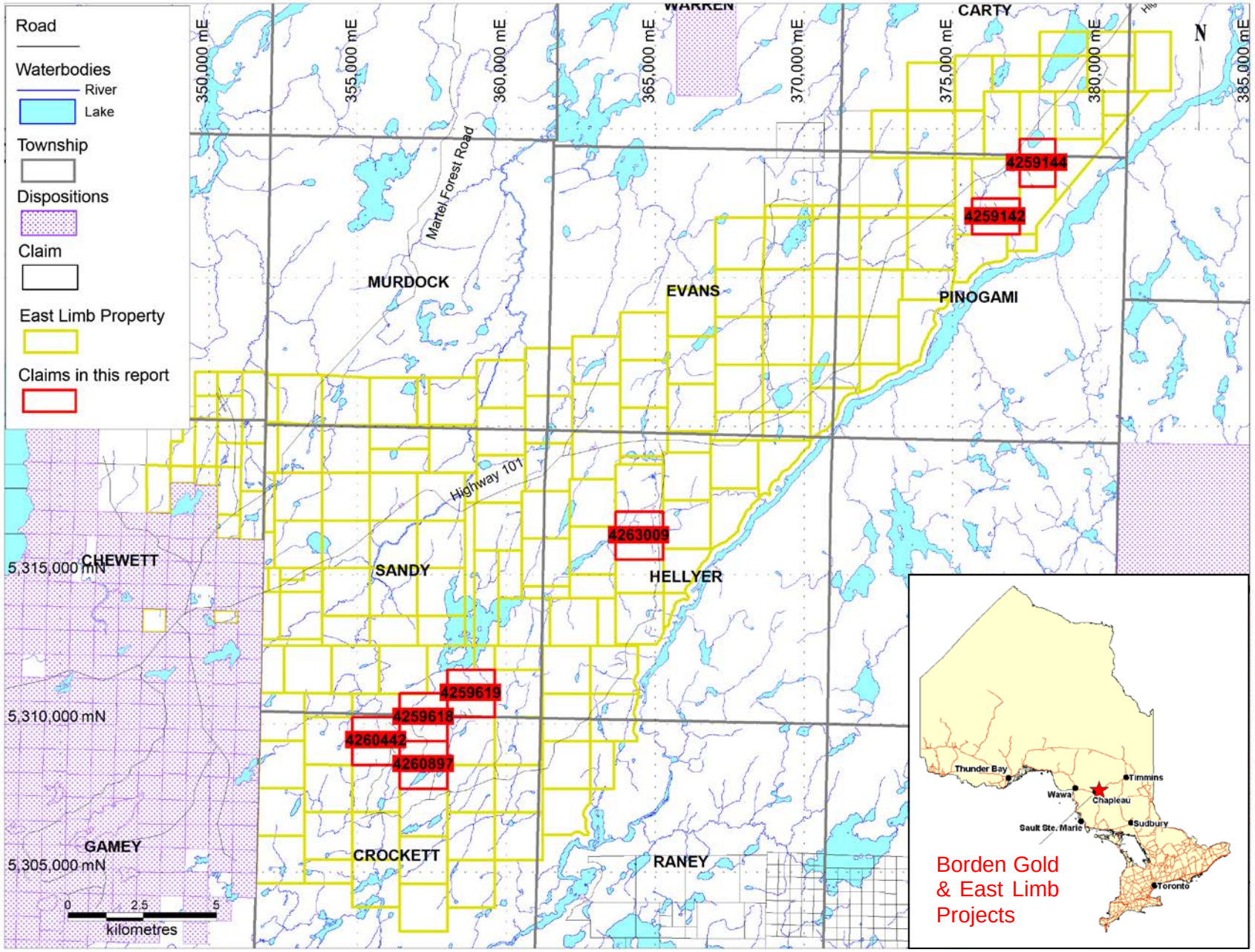

Figure 1- Location of the East Limb Project (claims subject of this report highlighted in red)

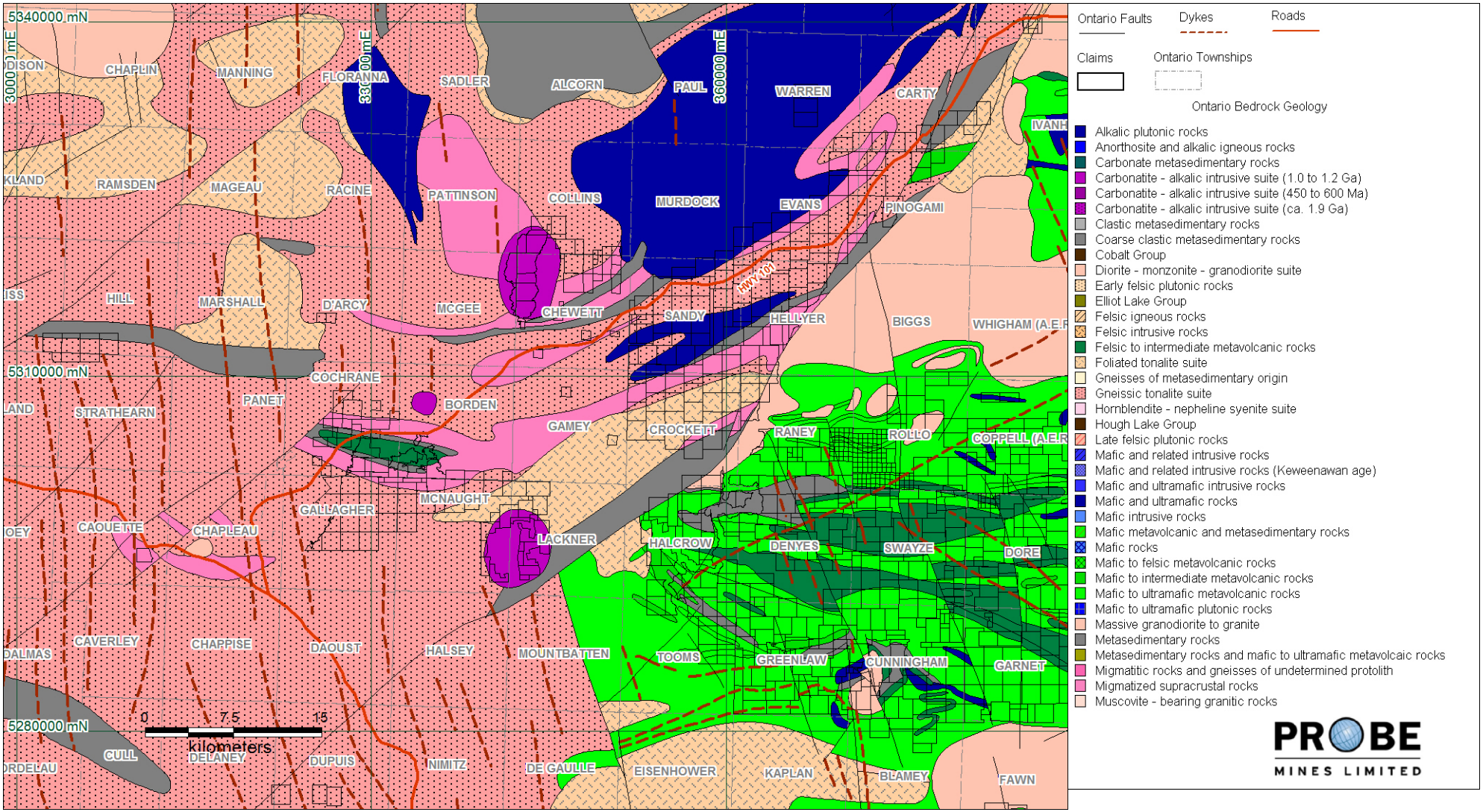

Figure 2 – General Geology of the Borden Gold Project and East Limb Project Area

On Probe's main Borden Gold project to the West, Probe completed a diamond drill program comprising eight holes and totaling 790m on claim number 4227868 in July 2010. An assessment report on the drilling was filed in November 2010 under work report W1060.02610. Results indicated there is excellent potential to host a low-grade, bulk tonnage gold deposit on the property. A Geotech VTEM survey was flown by Probe Mines between January 5 and January 20, 2011. Additional drilling in 2011 was filed under work report W1260.02025 in August 2012 and drilling from 2012 was filed under work reports W1260.02626 and W1360.02787 in November 2012 and November 2013 respectively.

Between 7 December 2012 and 12 February 2013, Probe Mines completed a diamond drilling program on the East Limb Project that comprised 15 drill holes. Previous reports on this drilling program were filed in December 2012 under transaction numbers W1260.02864 and W1260.02884; in February 2013 under transaction number W1360.00280, and in April 2013 under transaction numbers W1360.00845 and W1360.00855. These previous reports detailed the drilling activities for all 15 holes, and assays results for 5 holes. In the summer of 2013, Probe completed a LIDAR survey and geological analysis, geological mapping and prospecting, rock and MMI® sampling on the East Limb project. Work completed was filed in an assessment report in December 2013.

During the winter, spring and summer of 2014, Probe Mines Limited conducted ground geophysical surveys on its East limb property. Ground Induced Polarization (IP), magnetic and VLF surveys were completed on 5 grids on the East Limb property. The IP results for Grids 4 and 5 as well as all the magnetic and VLF survey results were filed for assessment in May 2014 under work report W1460.01165. The IP results of Grids 1, 2 and 3, were filed for assessment in September 2014 under work report W1460.01832.

DIAMOND DRILLING

Between October 5th and December 14th 2014, Probe Mines Limited completed drilling on the East Limb property as part of its ongoing exploration program. This report describes the results of eleven (11) diamond drill holes on the East Limb property.

Total meterage was 3348m. Major Drilling was the drilling contractor. The program was overseen by Jeff Cormier, with onsite management by Breanne Beh. Data compilation was completed by Sharon Allan. This report was authored by both Sharon Allan and Breanne Beh. The drill hole data for the 11 drill holes is summarized in Table 2. Figure 3, 4 and 5 illustrate the collar locations and the drill hole traces in plan view. Larger copies of these maps are located in Appendix I at scales of 1:5,000.

Table 2 – Diamond Drill Hole Data (NAD 83, Zone 17)

Hole ID	Date Started	Date Completed	Azimuth	Depth (m)	Collar Dip	Collar Easting	Collar Northing	Claim
EL14-01	05/10/2014	08/10/2014	150	351	50	356145	5309183	4260442
EL14-02	09/10/2014	12/10/2014	150	297	50	356490	5309394	4260987
EL14-03	12/10/2014	31/10/2014	150	255	50	356626	5309553	4259618
EL14-04	01/11/2014	04/11/2014	150	285	60	357570	5310020	4259618
EL14-05	05/11/2014	08/11/2014	150	261	55	358563	5310397	4259619
EL14-06	08/11/2014	11/11/2014	150	402	55	358743	5310499	4259619
EL14-07	12/11/2014	26/11/2014	150	261	75	364747	5316341	4263009
EL14-08	27/11/2014	03/12/2014	150	357	60	377520	5328556	4259144
EL14-09	03/12/2014	05/12/2014	150	252	50	377634	5328169	4259144
EL14-10	05/12/2014	10/12/2014	150	327	55	376400	5327504	4259142
EL14-11	10/12/2014	14/12/2014	150	300	50	376081	5327456	4259142

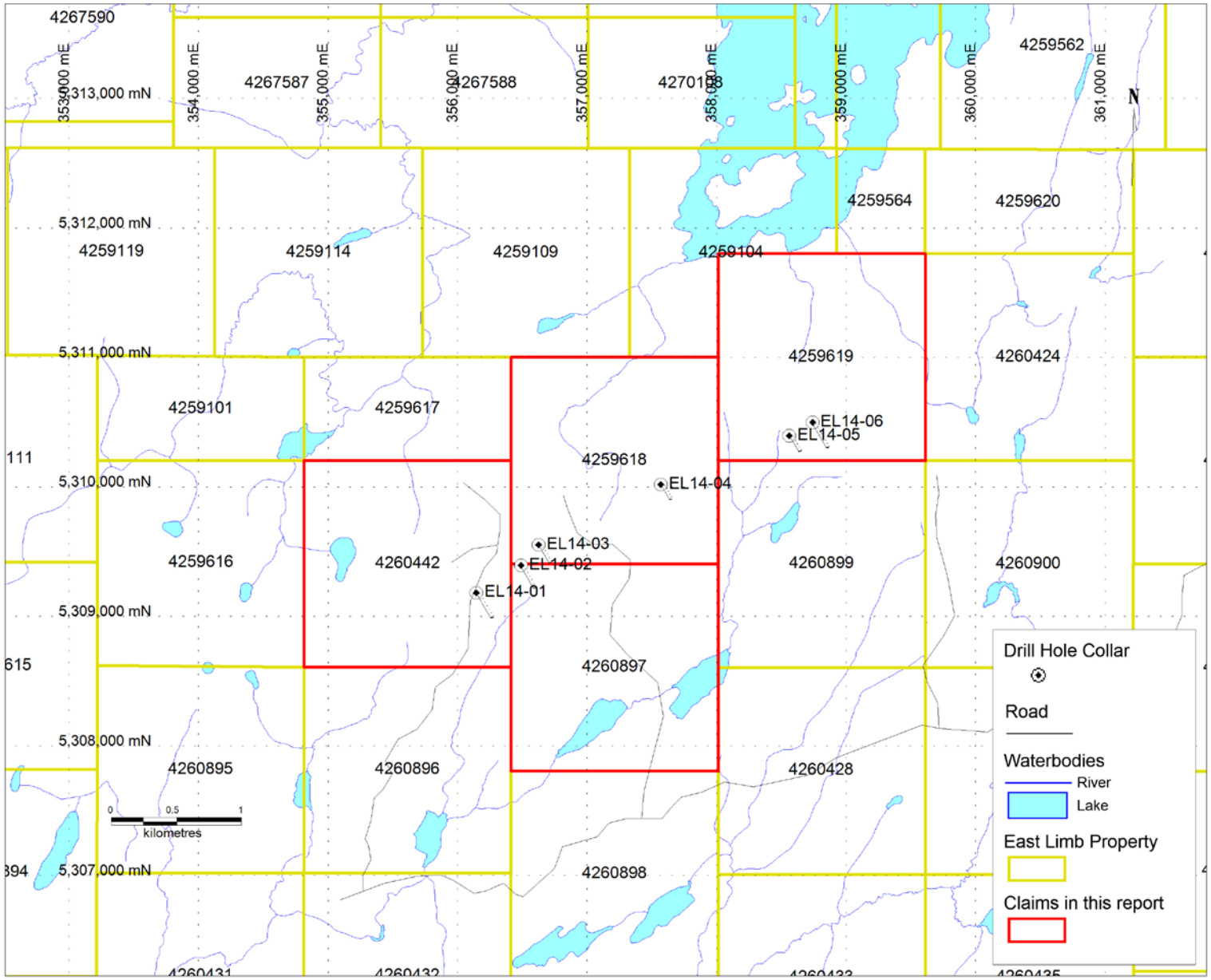

Figure 3 – Location Map of Drill Holes EL14-01 to EL14-06 (see Appendix I for 1:5,000 map)

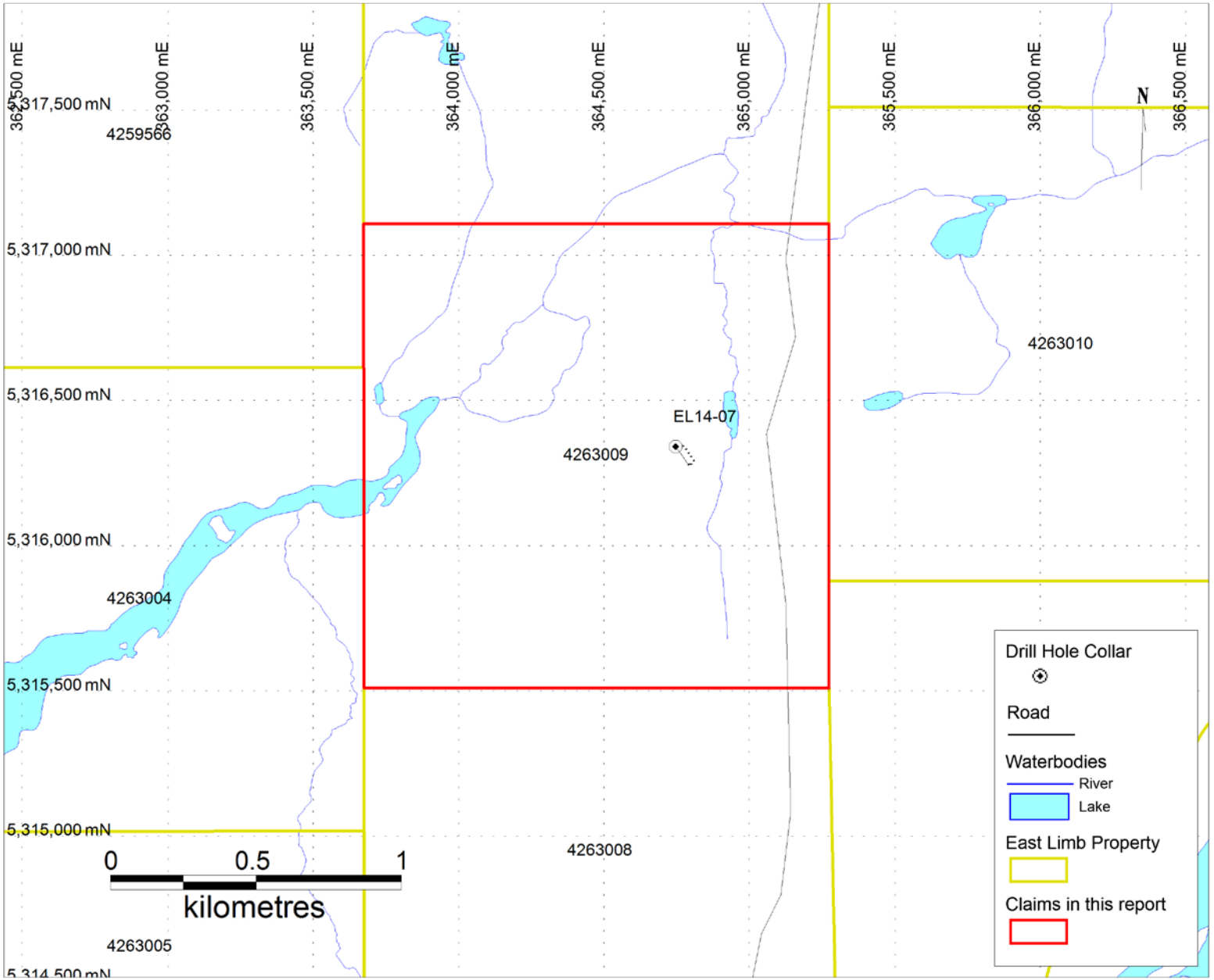

Figure 4 – Location Map of Drill Hole EL14-07 (see Appendix I for 1:5,000 map)

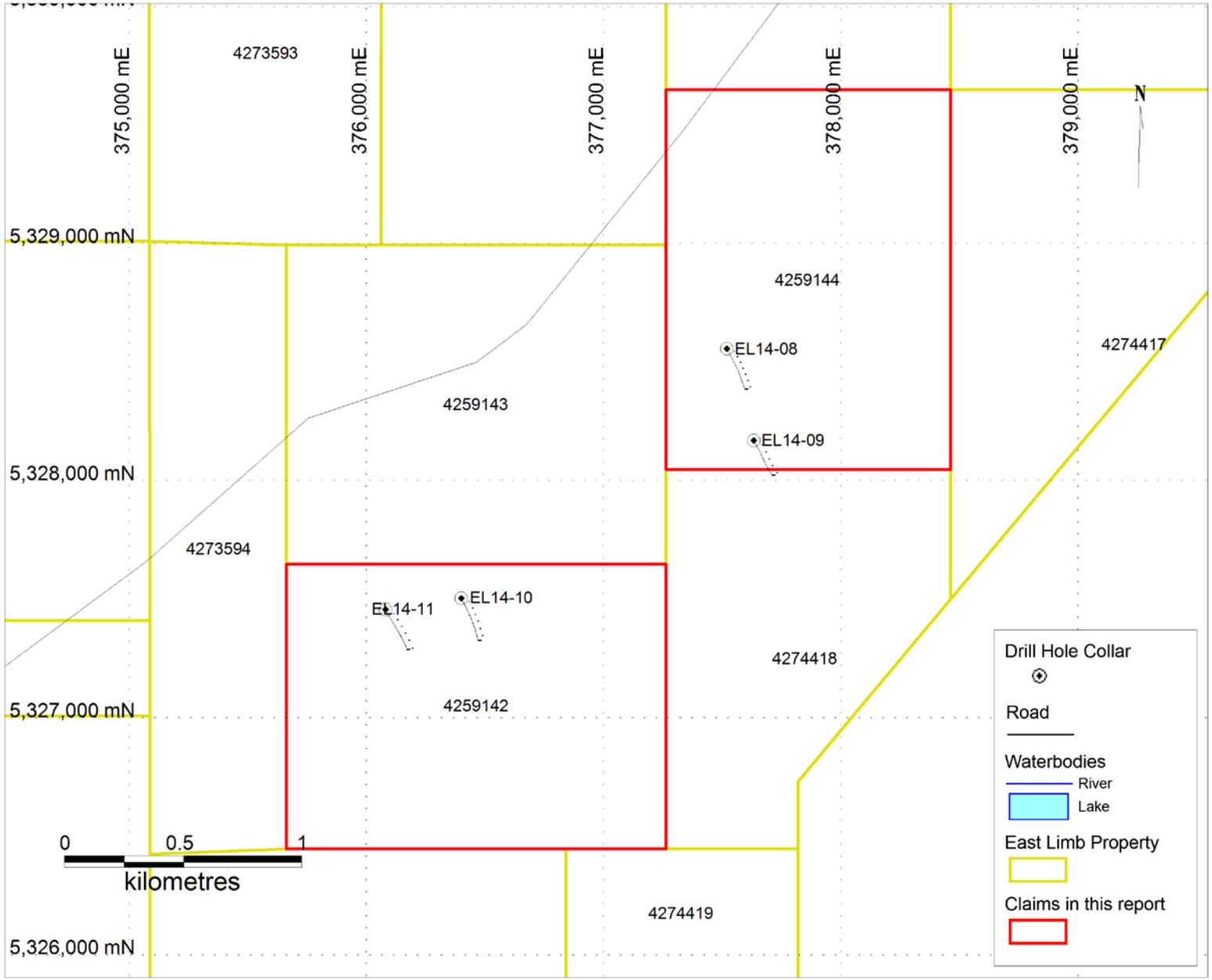

Figure 5 – Location Map of Drill Holes EL14-08 to EL14-11 (see Appendix I for 1:5,000 map)

RESULTS

Drill logs are presented in Appendix II and drill hole cross sections in Appendix III. The sections are illustrated at scale of 1:1,000. Each section contains one drill hole along lines that are perpendicular to the strike of the IP conductors being investigated and parallel the azimuth of the holes.

The drill program intersected rocks similar mineralogically to those present on the Borden Gold property including amphibolite, felsic gneiss, garnet biotite felsic gneiss, biotite garnet amphibole gneiss and biotite amphibole gneiss. In general, the rocks on the East Limb property are coarser grained and have moderate- to well-developed gneissic banding. These rocks are granulite facies metamorphic rocks.

RECOMMENDATIONS

An ongoing drill program continues to investigate IP targets that were generated from the ground geophysical survey that was conducted earlier in 2014 so the costs related to the drilling, as detailed in this report, are being applied to maintain the claims in good standing.

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APPENDIX I

Large Scale Maps (1:5,000)

Appendix I - East Limb - Grid 4 and 5 - Drill Collar Locations and Drill Hole Traces
Scale 1:5,000

Drill Hole Collar
Road
Waterbodies
River
Lake
East Limb Property
Claims in this report

354,000 mE
355,000 mE
356,000 mE
357,000 mE
358,000 mE
359,000 mE
360,000 mE
361,000 mE
N

5,312,000 mN
5,311,000 mN
5,310,000 mN
5,309,000 mN
5,308,000 mN
5,307,000 mN

4267587
4267588
4270108
4259564
4259620
4259139
4259114
4259109
4259104
4259619
4260424
4259101
4259617
4259618
EL14-06
EL14-05
EL14-04
EL14-03
EL14-02
EL14-01
4259616
4260442
4260899
4260900
4260897
4260895
4260896
4260428
4260429
4260898

0 0.5 1
kilometres

Appendix I - East Limb - Grid 3 - Drill Collar Locations and Drill Hole Traces
Scale 1:5,000

Drill Hole Collar

Road

Waterbodies
River
Lake

East Limb Property

Claims in this report

363,000 mE

364,000 mE

365,000 mE

366,000 mE

N

5,317,000 mN

5,316,000 mN

5,315,000 mN

4259566

4204153

4263010

EL14-07

4263009

4263004

4263008

4260472

4263005

0 0.5 1

kilometres

Appendix I - East Limb - Grid 1 and 2 - Drill Collar Locations and Drill Hole Traces
Scale 1:5,000

Drill Hole Collar
Road
Waterbodies
River
Lake
East Limb Property
Claims in this report

375,000 mE
376,000 mE
377,000 mE
378,000 mE
379,000 mE

N

5,329,000 mN
5,328,000 mN
5,327,000 mN

4273593
4259144
4274417
4273594
4259143
4274418
4259142
4274419

EL14-08
EL14-09
EL14-10
EL14-11

0 0.5 1
kilometres

APPENDIX II

Drill Logs

PROBE MINES LIMITED

Diamond Drilling Log

Hole No	Page No
DDH. EL14-01	1 of 5

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	448	150	351	Collar 50	Chapleau Ont	Crockett Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	356145
05/10/2014	08/10/2014	Oct 5-8, 2014	Breanne Beh	(m)	degrees		Northing	5309189
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	1.4	Casing								
1.4	3.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Medium- grained felsic gneiss (S) with local coarse-grained felsic clots and bands of quartz and feldspar. Biotite is coarser-grained and chaotic at contacts to felsic clost/bands. Minor amphibole throughout unit, content increases within 20cm of basal contact. Localized 5cm thick bands of amphibolite, 80% amphibole. Foliation weakly defined by biotite. Sulphides disseminated throughout.	20		0	0.25
3.2	9.7	Garnet Amphibolite	Dark Green	Medium Grained	Moderately - well Foliated	Amphibolite with localized, patchy, light green alteration. Garnets and Po typically concentrated in/around zones of alteration. Local sections with moderately developed gneissic banding. 1-5cm thick pegmatite veins and clots - one has a pinch and swell contact. 5cm thick UM dike at 3.5m. 8-8.8m alteration is very irregular compared to the main fabric of the unit.	1-2	5	0	0.25
9.7	11.6	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Medium- grained felsic gneiss (S) with local coarse-grained felsic clots and bands of quartz and feldspar. Biotite is coarser-grained and chaotic at contacts to felsic clost/bands. Local variation in amphibole content throughout unit. Foliation weakly defined by biotite. Sulphides disseminated throughout. 20cm thick pegmatite unit at basal contact.	20		0	0.25
11.6	12.5	Garnet Amphibolite	Dark Green	Medium Grained	Moderately Foliated	Amphibolite with localized, patchy, light green alteration. Garnets and Po typically concentrated in/around zones of alteration. Local sections with moderately developed gneissic banding. 20cm thick pegmatite at contact to UM/LAMP dike.	1-2	3-5	0	0.25
12.5	13.9	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp upper and lower contacts. Xenolith of pegmatite present 2cm in diameter.	1-2		0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
13.9	16.0	Garnet Amphibolite	Dark Green	Medium Grained	Moderately Foliated	Amphibolite with localized, patchy, light green alteration. Garnets and Po typically concentrated in/around zones of alteration. Local sections with moderately developed gneissic banding. Localized felsic clots and bands 1-10cm thick that can be parallel to foliation or coarser-grained and more irregular. Gradational lower contact where amphibole content decreases and the biotite content progressively increases. Local quartz/carbonate veinlets 0.5-1cm thick with alteration halos 1-3cm thick.	1-2	3-5	0	0.25
16.0	20.3	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Medium- grained felsic gneiss (S) with local coarse-grained felsic clots and bands of quartz and feldspar. Biotite is coarser-grained and chaotic at contacts to felsic clost/bands. Where present, the bands are alligned parallel to foliation. Local variation in amphibole content throughout unit. Foliation weakly defined by biotite. Sulphides disseminated throughout. Quartz carbonate veinlets throughout with potassic and possibly sericitic alteration halos. 7cm thick quartz/carbonate vein at basal contact with minor hematite staining.	20	1-2	0	0.25
20.3	62.0	Biotite Garnet Amphibole Gneiss	Grey	Medium Grained	Well Foliated	Garnet biotite amphibole gneiss composed of approximately 10% grt (localized sections with up to 30%), 5% bt, 35% amphibole in a fine-grained matrix of quartz and feldspar. Garnets are fine- to coarse-grained with diameters between 0.2-1cm. Local variation in the content of biotite and amphibole. Localized bands and clots of coarse-grained quartz and feldspar 2-20cm thick with coarse-grained, chaotic biotite common at the contacts - possible leucosomes. From 22.4-23.2m there is a more siliceous section where the Po content increase to 4-5% and is present as thin streaky bands parallel to foliation. The rock is moderately magnetic where Po content increases. 22.9-23cm deformed quartz vein. 31.3-31.6m and 37.8-38.1m granitic-like intrusive dikes composed of quartz and feldspar with massive to weakly foliated texture.	5	10	0	1
62.0	72.2	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Weakly-moderately foliated	Medium- grained felsic gneiss (S) with local coarse-grained felsic clots and bands of quartz and feldspar. Biotite is coarser-grained and chaotic at contacts to felsic clost/bands. Where present, the bands are alligned parallel to foliation. Grt range from 0.1-0.5cm diameter. Local variation in amphibole content throughout unit - amphibole content starts to increase at 65m depth. Foliation weakly defined by biotite. Sulphides disseminated throughout. Quartz carbonate veinlets throughout with potassic and possibly sericitic alteration halos. Nested pegmatite and amphibolite units.	20-25	1-2	0.25	0.25
72.2	74.8	Felsic Gneiss (G)	White and pink	Medium Grained	Melt	Felsic gneiss (G) unit that has local 2-10cm thick pegmatite looking sections likely causing the melted looking appearance of the unit. Localized garnets measuring 0.4-0.8cm in diameter. 60-70% K-feldspar.	3	2	0	0
74.8	76.1	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Weakly Foliated	Garnet biotite amphibole gneiss composed of approximately 5% grt, 10% bt, 15% amphibole in a fine-grained matrix of quartz and feldspar. Garnets are fine- to coarse-grained with diameters between 0.2-1cm. Local variation in the content of biotite and amphibole. Localized bands and clots of coarse-grained quartz and feldspar 2-10cm thick with coarse-grained, chaotic biotite common at the contacts - possible leucosomes.	10	5	0.25	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
76.1	79.3	Felsic Gneiss (G)	White and pink	Medium Grained	Melt	Felsic gneiss (G) unit that has local 2-10cm thick pegmatite looking sections likely causing the melted looking appearance of the unit. Localized garnets with 0.4-0.8cm diameter. 50% K-feldspar. Localized sections where gneissic banding is present - melt texture and potassic alteration likely overprinting a felsic gneiss (s) with 3% grt.	3	2	0.5	0.5
79.3	84.0	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM dike with sharp upper and lower contacts. 10-15cm alteration halos.			0	0
84.0	87.0	Felsic Gneiss (G)	White and pink	Medium Grained	Melt	Felsic gneiss (G) unit that is highly siliceous and appears to have been melted. Garnets are confined to the basal 30cm and are 0.1cm diameter. 20% K-feldspar. Localized sections where gneissic banding is present - melt texture and potassic alteration overprinting a felsic gneiss (s). Sulphide concentration increases within 30cm of basal contact. Nested UM/LAMP dike. 84.7m - 5cm massive graphite.	5	0.5	0.5	0.5
87.0	88.0	Biotite Felsic Gneiss	Grey	Medium-coarse grained	Moderately Foliated	Bt felsic gneiss with patches, veins that have pinch and swell textures, and lozenges of grey-blue quartz - possible deformed quartz veins. Chaotic, coarse-grained biotite present at contacts to quartz and commonly wrapping around the quartz. Sulphides concentrated in zones of coarse-grained biotite near contacts to quartz. Gradational lower contact into siliceous felsic gneiss (S). Borden-like.	30		1	1.5
88.0	92.2	Felsic Gneiss (S)	Light Grey	Very Fine-fine grained	Massive-weakly foliated	Felsic gneiss (S) that is highly siliceous with patches, veins with pinch and swell texture and lozenges of grey-blue quartz - possible deformed quartz veins. Chaotic, coarse-grained biotite present at contacts to quartz and commonly wrapping around the quartz. Local bands of up to 25% bt. Garnets concentrated in one 10cm thick section. Sulphides concentrated in zones of coarse-grained biotite near contacts to quartz. Gradational lower contact into siliceous garnet felsic gneiss (S). Borden-like. Core is magnetic.	5	1	1.5	1.5
92.2	96.5	Garnet Felsic gneiss	White and red	Very Fine-fine grained	Massive-weakly foliated	Garnet felsic gneiss with 15% garnets 0.1-0.7cm diameter in a very fine-grained matrix of quartz and feldspars. Local sections where a faint foliation is defined by biotite and amphibole. Gradational upper and lower contacts. Yellow mineral present in a 10cm thick band at 94.6m - mica?	2	15	0.25	0
96.5	104.5	Biotite Garnet Amphibole Gneiss	Grey	Medium Grained	Well Foliated	Garnet biotite amphibole gneiss composed of approximately 10% grt (localized sections with up to 30%), 10-15% bt, 35% amphibole in a fine-grained matrix of quartz and feldspar. Garnets are fine- to coarse-grained with diameters between 0.2-1cm. Local variation in the content of biotite and amphibole. Localized bands and clots of coarse-grained quartz and feldspar 2-20cm thick with coarse-grained, chaotic biotite common at the contacts and very coarse-grained garnets - possible leucosomes. The rock is magnetic at 99m where sulphides are concentrated in fractures of a breccia zone. Local pegmatite-like veins with potassic alteration halos 5-10cm thick. Gradational lower contact - decrease in grt, increase in k-feldspar and progressive development of gneissic banding.	10-15	10	1	0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
104.5	150.5	Biotite Amphibole Gneiss	Grey, white, and pink	Medium Grained	Banded	Biotite amphibole gneiss with alternating felsic and mafic bands 1-20cm thick. Felsic bands are composed of quartz and k-feldspar. Mafic bands are composed of amphibole and biotite. Quartz-carbonate veins with potassic alteration halos. Sulphides commonly associated with biotite defining foliation. Thin bands and fine-grained blebs of magnetite are associated with the mafic bands. Nested UM/LAMP dikes.	10	1	0.5	0
150.5	155.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Foliated	Felsic gneiss (S) with alternating felsic bands of medium to coarse-grained quartz and feldspar and intermediate bands of biotite in a fine-grained felsic matrix. Felsic bands typically have sharp but slightly irregular contacts and become sharp and straighter in the basal 1.5m of unit. Local variation in the content of amphibole distributed throughout the unit. Nested amphibolite. Sulphides typically concentrated amidst coarse-grained, chaotic biotite at contacts to felsic bands.	15	2	0.25	0.25
155.2	163.5	Amphibolite	Dark Green	Medium Grained	Weakly-moderately foliated	Amphibolite with minor biotite content. Local bands 1-3cm thick of quartz and feldspars. Local sections 10cm thick of quartz with garnets present up to 0.8cm diameter. Biotite is coarse-grained and concentrated at contacts to felsic bands. 157.8-158.2m intense potassic alteration (?) - likely due to adjacent 10cm thick pegmatite.	3	1	0	0
163.5	168.4	Biotite Garnet Amphibole Gneiss	Grey	Medium Grained	Well Foliated	Garnet biotite amphibole gneiss composed of approximately 10% grt (localized sections with up to 30%), 10-15% bt, 35-40% amphibole in a fine-grained matrix of quartz and feldspar. Garnets are fine- to coarse-grained with diameters between 0.2-1cm. Local variation in the content of biotite and amphibole. Localized bands and clots of coarse-grained quartz and feldspar 2-20cm thick with coarse-grained, chaotic biotite common at the contacts and very coarse-grained garnets - could be leucosomes. 30-40cm of highly altered rock at upper and lower contacts to adjacent amphibolite units.	10-15	10	1	0.5
168.4	205.8	Garnet Amphibolite Gneiss	black, white, red	Medium Grained	Banded	Garnet amphibolite gneiss composed predominantly of mafic bands of amphibole with minor biotite and felsic bands of plagioclase and minor quartz. Bands range from 1-40cm thick. Local variation in the garnet content in some cases up to 30%. Garnets present in both leucosomes and melanosomes. Local sections with amphiboles up to 0.5cm diameter. Quartz carbonate veins with 1-5cm thick alteration halos. Highly altered light green/peach coloured rock from 187.2-192.3m. Nested UM.	5	15	0	0.25
205.8	243.0	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Foliated	Felsic gneiss (S) with alternating felsic bands of medium to coarse-grained quartz and feldspar and intermediate bands of biotite in a fine-grained felsic matrix. Felsic bands typically have sharp but slightly irregular contacts. Local variation in the content of amphibole distributed throughout the unit. Sulphides typically concentrated in coarse-grained, chaotic biotite at contacts to felsic bands. Quartz carbonate veins cross-cutting foliation with potassic alteration halos. Gradual lower contact into the garnet amphibolite gneiss unit. Sulphides increase to 2% in basal 30cm approacing the lithological contact.	15	1	0.25	0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
243.0	285.3	Garnet Amphibolite Gneiss	black, white, red	Medium Grained	Banded	Garnet amphibolite gneiss composed predominantly of mafic bands of amphibole with minor biotite and felsic bands of plagioclase and minor quartz. Bands range from 1-40cm thick. Local variation in the garnet content in some cases up to 30%. Garnets present in both leucosomes and melanosomes. Local sections with amphiboles up to 0.5cm diameter. Quartz carbonate veins with 1-5cm thick alteration halos. Nested UM. 276.8m - clots of Po 2-3cm in diameter.	5	15	0.25	0.55
285.3	286.9	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gneiss (S) with foliation defined by biotite. Felsic bands present of quartz and feldspars that typically have sharp but slightly irregular contacts. Local variation in the content of amphibole distributed throughout the unit. Sulphides typically concentrated in coarse-grained, chaotic biotite at contacts to felsic bands. Quartz carbonate veins cross-cutting foliation with potassic alteration halos.	15	1	0.25	0.2
286.9	299.4	Garnet Amphibolite Gneiss	black, white, red	Medium Grained	Banded	Garnet amphibolite gneiss composed predominantly of mafic bands of amphibole with minor biotite and lesser felsic bands of plagioclase and minor quartz. Bands range from 1-40cm thick. Local variation in the garnet content in some cases up to 30%. Garnets present in both leucosomes and melanosomes. Local sections with amphiboles up to 0.5cm diameter. Quartz carbonate veins with 1-5cm thick alteration halos. Local bands 10-20cm thick of 80-90% amphibole.	5	15	0.25	0.55
299.4	303.8	Pegmatite	white and pink	Very Coarse Grained	Massive	Massive pegmatite unit with very coarse-grained biotite. Sulphides present along small fractures within the pegmatite.	5		0.25	0
303.8	332.6	Garnet Amphibolite Gneiss	black, white, red	Medium Grained	Banded	Garnet amphibolite gneiss composed predominantly of mafic bands of amphibole with minor biotite and lesser felsic bands of plagioclase and minor quartz. Bands range from 1-40cm thick. Local variation in the garnet content in some cases up to 30%. Garnets present in both leucosomes and melanosomes. Local sections with amphiboles up to 0.5cm diameter. Quartz carbonate veins with 1-5cm thick alteration halos. Local bands 10-20cm thick of 80-90% amphibole.	5	15	0.25	0.5
332.6	337.2	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp contacts. Rock is highly magnetic - deep conductor that was projected to be at 325m. Intermixed sections of garnet amphibolite gneiss that the dike is intruding.	2		0	0
337.2	351.0	Garnet Amphibolite Gneiss	black, white, red	Medium Grained	Banded	Garnet amphibolite gneiss composed predominantly of mafic bands of amphibole with minor biotite and lesser felsic bands of plagioclase and minor quartz. Bands range from 1-40cm thick. Local variation in the garnet content in some cases up to 30%. Garnets present in both leucosomes and melanosomes. Local sections with amphiboles up to 0.5cm diameter. Quartz carbonate veins with 1-5cm thick alteration halos. Local bands 10-20cm thick of 80-90% amphibole. Highly siliceous zone from 348.2-348.7m. EOH	5	15	0.25	0.5

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Diamond Drilling Log

Hole No	Page No
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Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	427	150	297	Collar 50	Chapleau Ont	Crockett Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	356490
09/10/2014	12/10/2014	Oct 9-12, 2014	Breanne Beh	(m)	degrees		Northing	5309384
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.6	Casing								
3.6	4.3	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Weakly Foliated	Felsic gneiss (S) with local bands 1-15cm thick of very coarse-grained quartz and feldspar with chaotic, coarse-grained biotite. Sulphides concentrated in/at contacts to felsic zones. Biotite weakly defines foliation.	10	1	0.25	0.25
4.3	50.9	Biotite Garnet Amphibole Gneiss	Dark Grey	Fine-medium grained	Moderately Foliated	Garnet biotite amphibole gneiss composed of approximately 15% grt (localized sections with up to 30%), 10% bt, 35-45% amphibole in a fine-grained matrix of quartz and feldspar. Garnets are fine- to coarse-grained with diameters between 0.2-1cm. Local variation in the content of biotite and amphibole. Localized sections of amphibolite with 60-70% amphibole - contacts are typically gradational. Localized bands and clots of coarse-grained quartz and feldspar 2-20cm thick with coarse-grained, chaotic biotite common at the contacts and very coarse-grained garnets - could be leucosomes. Gradual lower contact to amphibolite unit. Nested pegmatite and UM dikes. Quartz/carbonate veins with 1-5cm alteration halos.	10	15	0	0.5
50.9	54.6	Garnet Amphibolite Gneiss	Black, red, white	Medium Grained	Banded	Garnet amphibolite gneiss composed predominantly of mafic bands of amphibole with minor biotite and felsic bands of plagioclase with minor quartz and amphibole. Bands range from 0.4-40cm thick. Local variation in the garnet content in some cases up to 30%. Garnets present in both leucosomes and melanosomes. Gradual upper contact. Quartz carbonate veins with 1-5cm thick alteration halos that are pink and green.	2-3	15	0	0.25
54.6	61.3	Felsic Gneiss (S)	Grey, green, pink	Medium-coarse	Massive-weakly	Altered section of felsic gneiss with nested UM dikes and pegmatite zones that could be melts or alteration caused by dikes.	5		0.25	
61.3	65.7	UM\LAMP Dike	black, white	Fine Grained	Massive	UM dike with sharp contacts. Xenoliths throughout. Alteration halos 5-10cm thick. Moderately magnetic.	5		0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
65.7	80.1	Felsic Gneiss (G)	white, pink	Medium Grained	Melt	Felsic gneiss (G) unit with intermixed sections of felsic gneiss (S) that is weakly foliated. Felsic gneiss (G) units are medium- to coarse-grained and appear to have been localized melts of the adjacent rocks. Felsic gneiss units have local variation in amphibole and garnet content.	10	2	0.25	
80.1	95.5	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately foliated	Fine-grained, siliceous felsic gneiss (S) with a gradual upper contact from adjacent unit. Local bands of amphibolite 10-20cm thick. Local bands that have up to 25% coarse-grained, chaotic biotite. Deformed and fractured quartz vein 85.5-86m with blebby sulphides throughout. Sulphides increase as silica content increases. Local felsic clots and veins of white quartz and minor feldspars 1-5cm in diameter. Sulphides commonly concentrated as blebs in and around the contacts to the quartz/feldspar. 90-91m abundant coarse-grained biotite and muscovite. 3-4% pyrite in basal 20cm.	5	3	2	1
95.5	97.9	UM\LAMP Dike	Black and white	Very Fine Grained	Massive	UM dike with abundant broken sections of core. Brittle fault is likely what caused the VLF anomaly that was expected at this depth. Sharp upper and lower contacts with brittle fractures in adjacent rock units.	5			
97.9	106.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately foliated	Fine-grained, siliceous felsic gneiss (S) with local bands of amphibolite 10-20cm thick some of which are magnetic. Localized bands that have up to 25% coarse-grained, chaotic biotite and 30% garnet . Localized felsic bands that have a melted appearance - 98.5-99.7m in particular is a section of predominantly quartz and feldspar with minor garnets. Sulphides concentrated in basal 1m where there is abundant coarse-grained biotite in addition to a 40cm thick pegmatite-like melt section. Nested UM.	10	5	2	0.5
106.0	107.4	Amphibolite	Dark Green	Fine-medium grained	Moderately - well Foliated	Amphibolite unit with a sharp upper contact. Same composition as the amphibolite bands in the overlying felsic unit. Garnets concentrated in one plagioclase-rich band 15cm thick. Quartz-carbonate veinlets cause significant alteration in the basal 70cm.	2	1	0.25	
107.4	114.3	Biotite Amphibole Gneiss	Grey	Medium Grained	Moderately Foliated	Biotite amphibole gneiss with medium-grained amphibole and biotite in a fine-grained felsic matix. Regular bands of 80-90% amphibole and minor biotite 1-5cm thick. Regular felsic bands of quartz and feldspar 1-10cm thick. Local siliceous bands of felsic gneiss (s) with coarse-grained garnets and 2% sulphides.	10	3	0.5	0.5
114.3	126.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately - well Foliated	Felsic gneiss (S) with medium to coarse-grained garnets and biotites in a fine-grained felsic matrix. Localized siliceous zones that have increased biotite and sulphides associated with them typically 10-25cm thick. Thick siliceous zone from 114.3-115.6m with local clots of sulphides. Nested UM dike. Local bands of 70-80% amphibole 1cm thick.	15	7	0.5	0.5
126.7	133.3	Biotite Amphibole Gneiss	Grey and pink	Medium Grained	Moderately Foliated	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets.	10		0.25	
133.3	134.3	UM\LAMP Dike	Black and white	Very Fine Grained	Massive	UM dike with sharp contacts. 50cm alteration halo at upper contact.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
134.3	155.7	Biotite Amphibole Gneiss	Grey and pink	Medium Grained	Moderately Foliated	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine- to medium-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets. Local magnetism - very fine grained magnetite. Late green coloured alteration 151.5-151.8m.	10		0.25	
155.7	156.7	UM\LAMP Dike	Black and white	Very Fine Grained	Massive	UM/LAMP dike with sharp contacts and a 70cm alteration zone at the basal contact.	2			
156.7	170.8	Biotite Amphibole Gneiss	Grey and pink	Medium Grained	Moderately Foliated	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine- to medium-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets. Local magnetism - very fine-grained magnetite. Potassic alteration zone from 161.4-166.7m.	10		0.25	
170.8	172.0	Amphibolite	Dark Green	Fine-medium	Massive	Amphibolite unit with a sharp upper contact and lower contact. One local section with coarse-grained clots of quartz and k-feldspar and minor coarse-grained biotite.	2	1	0.25	
172.0	182.1	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Banded	Felsic gneiss unit with regular bands 1-3cm of quartz and minor feldspar - the feldspar content increases within the basal 3m. Garnets are predominantly in the upper 7m of the unit and gradually decrease approaching the fault zone. Sulphides are disseminated throughout. Siliceous zone 176-177m has up to 1.5-2% sulphides - moderately magnetic due to Po - likely the magnetic anomaly at approximately 275m. Brittle faulting and brecciation from 180.8-182.1m. Amphibole distributed throughout unit and confined to thin bands 0.5-1cm thick.	5	3	0.5	0.5
182.1	195.1	Biotite Amphibole Gneiss	Grey and pink	Medium Grained	Moderately Foliated	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine- to medium-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets. Local magnetism - very fine grained magnetite. Fault zone with fault gouge and brecciation from 182.1-184.4m. Nested UM dikes.	10		0.25	
195.1	198.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately foliated	Felsic gneiss unit with garnets distributed throughout. Medium-grained Biotite and amphibole define foliation in a fine-grained matrix of quartz and feldspar. Local bands 1-5cm of coarse-grained quartz, feldpar +/- amphibole. Sulphides concentrated in/around coarse-grained felsic bands. Local quartz carbonate veins.	5	5	0.5	
198.8	222.3	Garnet Amphibolite	Dark Green	Medium Grained	Massive-weakly banded	Garnet amphibolite with local sections of weakly developed gneissic banding. Medium- to coarse-grained garnets in a fine- to medium-grained groundmass of amphibole and minor quartz and plagioclase. Local grey quartz veins and clots 1 to 5cm thick - typically have sulphides in/around contacts. From 201.4-202.9m the groundmass is more siliceous. Local quartz carbonate veins with light green, pink, yellow alteration halos. Local variation in the biotite content. 222-222.3m - 30cm alteration halo associated with a 2cm thick UM dike. Gradual lower contact with a decrease in amphibole content and an increase in quartz content.	3	10	0.25	0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
222.3	234.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately foliated	Felsic gneiss unit with garnets distributed throughout. Medium-grained Biotite defines foliation in a fine-grained matrix of quartz and feldspar. Local bands and clots 1-5cm of coarse-grained quartz, feldpar +/- amphibole. Sulphides concentrated in/around coarse-grained felsic bands. Local quartz carbonate veins. Nested pegmatite with 20-80cm thick alteration halos.	10	0	0.5	
234.8	261.4	Garnet Amphibolite	Dark Green	Medium Grained	Massive-weakly banded	Garnet amphibolite with local sections of weakly developed gneissic banding. Medium-to coarse-grained garnets in a fine- to medium-grained groundmass of amphibole and minor quartz and plagioclase. Local grey quartz veins and clots 1 to 5cm thick - typically have sulphides in/around contacts. Local plagiolcase-rich bands 0.5-2cm thick that typically have patchy light green alteration associated with them. Local variation in the biotite content. Local magnetism - likely associated with the presence of fine-grained magnetite. Nested quartz vein.	3	10	0.25	0.5
261.4	275.0	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Weakly Foliated	Fine-grained siliceous Felsic gneiss. Medium-grained Biotite weakly defines foliation in a fine-grained matrix of quartz and feldspar. Local melt clots 1-5cm of coarse-grained quartz +/- feldspar. Sulphides concentrated in/around coarse-grained felsic clots. Local quartz carbonate veins. Nested pegmatite from 268.8-271.2m with adjacent brecciated fault zone 269.7-272.9m with grey coloured quartz infilling fractured zones. Rocks are moderatly magnetic at this meterage due to the 2% sulphides present - both Po and Py - likely the magnetic anomaly expected at this depth.	7	0	0.5	0.5
275.0	277.6	Garnet Amphibolite	Dark Green	Medium Grained	Massive-weakly banded	Garnet amphibolite with local sections of weakly developed gneissic banding. Medium-to coarse-grained garnets in a fine to medium-grained groundmass of amphibole and minor quartz and plagioclase. Local grey quartz veins and clots 1 to 5cm thick - typically have sulphides in/around contacts. Local plagiolcase-rich bands 0.5-2cm thick that typically have patchy light green alteration associated with them. Local variation in the biotite content. Local magnetism - likely associated with the presence of fine-grained magnetite.	3	10	0.25	0.5
277.6	286.4	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Weakly Foliated	Fine-grained siliceous Felsic gneiss. Medium-grained Biotite weakly defines foliation in a fine-grained matrix of quartz and feldspar. Local melt clots and bands 1-5cm of coarse-grained quartz +/- feldspar. Sulphides concentrated in/around coarse-grained felsic clots and bands. 3cm thick amphibolite band at 279m. Local variation in the amphibole distribution.	7	3	0.25	0
286.4	294.6	Garnet Amphibolite	Dark Green	Medium Grained	weakly banded	Garnet amphibolite with local sections of weakly developed gneissic banding. Medium-to coarse-grained garnets in a fine to medium-grained groundmass of amphibole and minor quartz and plagioclase. Local quartz/feldspar veins and clots 1 to 5cm thick - typically have sulphides in/around contacts. Local plagiolcase-rich bands 0.5-2cm thick that typically have patchy light green alteration associated with them. Local variation in the biotite content. Local magnetism - likely associated with the presence of fine-grained magnetite. Two 10cm thick UM/LAMP dikes present between 289-290m causing a highly altered section from 288-290.6m.	3	10		0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
294.6	297.0	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP with sharp contacts with 40cm of garnet amphibolite at EOH.	2			

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Diamond Drilling Log

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Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	430	150	255	Collar 50	Chapleau Ont	Crockett Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	356626
12/10/2014	31/10/2014	Oct 12-31, 2014	Breanne Beh	(m)	degrees		Northing	5309553
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	5.5	Biotite Garnet Amphibole Gneiss	Grey and Green	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	2	5	0.25	0.25
5.5	10.6	Pegmatite	white and grey	Very Coarse Grained	Massive	Pegmatite with intermixed sections of felsic gneiss (S) 40-50cm thick. Sulphides concentrated in the felsic gneiss (S) sections - can be present as thin stringers alligned parallel to foliation.	10		0.25	0.25
10.6	23.0	Biotite Garnet Amphibole Gneiss	Grey and Green	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz and minor plagioclase. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Weak gneissic banding developed in some sections of the unit. Local quartz/carbonate veinlets with 1-5cm thick potassic and light green alteration halos.	2	5	0.25	0.25
23.0	25.1	Pegmatite	white and grey	Very Coarse Grained	Massive	Pegmatite with intermixed sections of biotite garnet amphibole gneiss 3-10 cm thick. Sulphides concentrated within 5cm of the contacts between the pegmatites and the gneissic units where coarse-grained, chaotic biotite is common.	10		0.25	0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
25.1	28.5	Biotite Garnet Amphibole Gneiss	Grey and Green	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz and minor plagioclase. An intermixed section of felsic gneiss (S) 60m thick and pegmatite 5-20cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Weak gneissic banding developed in some sections of the unit. Local quartz/carbonate veinlets with 1-5cm thick potassic and light green alteration halos.	2	5	0.25	0.25
28.5	30.4	Pegmatite	pink and white	Very Coarse Grained	Massive	Pegmatite with intermixed sections of felsic gneiss 3-20 cm thick. Brecciation at basal contact due to adjacent UM/LAMP dike which probably intruded along a fault.	10			
30.4	31.7	UM\LAMP Dike	Dark grey and white	Very Fine Grained	Massive	UM dike with brecciation at the contacts - fault.	3			
31.7	35.1	Pegmatite	pink and white	Very Coarse Grained	Massive	Pegmatite with brecciation at upper contact due to adjacent UM/LAMP dike which probably intruded along a fault.	10			
35.1	36.7	Garnet Amphibolite	Dark Green	Medium-coarse grained	Massive	Amphibolite with local variation in the amphibole content. Some sections up to 90% amphibole. Foliation or banding is irregular and soupy granulite facies. Local clots of coarse-grained quartz and feldspar.	2	3	0	0
36.7	47.3	Felsic Gneiss (S)	Grey	Fine Grained	Weakly Foliated	Felsic gneiss (S) with intermixed pegmatite sections 2-70cm thick. Sulphides present in the felsic gneiss sections or at the contacts to the pegmatite sections. Muscovite confined to pegmatite sections.	20		0.25	
47.3	54.6	Pegmatite	pink and white	Very Coarse Grained	Massive	Pegmatite with intermixed sections of felsic gneiss (S). Sulphides concentrated at contacts between pegmatite and felsic gneiss (S).	20			0.25
54.6	77.6	Biotite Garnet Amphibole Gneiss	Grey and Green	Fine-medium grained	Weakly Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz and minor plagioclase. Local variation in the amphibole and biotite content. Local pegmatite-like clots 2-10cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Weak gneissic banding developed in some sections of the unit. Local quartz/carbonate veinlets with 1-5cm thick potassic and light green alteration halos.	5	12	0.25	0.5
77.6	83.0	Pegmatite	pink and white	Very Coarse Grained	Massive	Pegmatite with intermixed sections of biotite garnet amphibole gneiss. Sulphides concentrated at contacts between pegmatite and intermixed sections.	20			0.25
83.0	85.2	Biotite Garnet Amphibole Gneiss	Grey and Green	Fine-medium grained	Weakly Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz and minor plagioclase. Local variation in the amphibole and biotite content. Local pegmatite-like clots 2-10cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Weak gneissic banding developed in some sections of the unit. Local quartz/carbonate veinlets with 1-5cm thick potassic and light green alteration halos.	5	12	0.25	0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.2	90.4	Pegmatite	pink and white	Very Coarse Grained	Massive	Pegmatite with intermixed sections of biotite garnet amphibole gneiss. Sulphides concentrated at contacts between pegmatite and intermixed sections.	20			0.25
90.4	95.8	Biotite Garnet Amphibole Gneiss	Grey and Green	Fine-medium grained	Weakly Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz and minor plagioclase. Local variation in the amphibole and biotite content. Local pegmatite-like clots 2-10cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Weak gneissic banding developed in some sections of the unit. Local quartz/carbonate veinlets with 1-5cm thick potassic and light green alteration halos.	5	12	0.25	0.5
95.8	98.0	Pegmatite	White	Very Coarse Grained	Massive	Pegmatite with intermixed sections of amphibolite 5-20cm thick. Garnets present in the amphibolite sections.	10	1	0	0.25
98.0	110.7	Biotite Garnet Amphibole Gneiss	Grey and Green	Fine-medium grained	Weakly Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz and minor plagioclase. Local variation in the amphibole and biotite content. Local pegmatite-like clots 2-10cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Weak gneissic banding developed in some sections of the unit. Local quartz/carbonate veinlets with 1-5cm thick potassic and light green alteration halos.	5	12	0.25	0.5
110.7	112.6	Felsic Gneiss (S)	Pink and white and black	Medium-coarse grained	Massive-weakly foliated	Felsic gneiss with a pegmatite section from 110.7-111m. Localized sections of pegmatite 3-10cm throughout. Coarse-grained, chaotic biotite concentrated at contacts to pegmatite. Amphibole content increases in basal 80cm dispersed with bioite in a matrix of fine-grained quartz and feldspars.	20	1		
112.6	113.4	Amphibolite	Dark Grey	Medium Grained	Massive-weakly	Amphibolite unit with a patchy grey-green colour. Fine-grained plagioclase present as matrix. Fine-grained, dark red hematite patches throughout.				
113.4	114.9	Felsic Gneiss (S)	Pink and white and black	Medium-coarse grained	Weakly Foliated	Felsic gneiss with localized sections of pegmatite 1-5cm throughout. Coarse-grained, chaotic biotite concentrated at contacts to pegmatite. Amphibole and bioite define foliation in a matrix of quartz and feldspars.	15	1		
114.9	119.5	Pegmatite	White, pink, black	Very Coarse Grained	Massive	Pegmatite with coase-grained biotite throughout. Unit is composed of blocky core.	10		0	0
119.5	121.3	Biotite Garnet Amphibole Gneiss	Dark Grey	Medium Grained	Weakly Foliated	Biotite garnet amphibole gneiss with local pegmatite-like sections 10-30cm thick. Sulphides concentrated near contacts to pegmatite sections where there is coarse-grained, chaotic biotite.	5	3	0.25	0.5
121.3	130.8	Felsic Gneiss (S)	light grey and pink	Fine Grained	Weakly-moderately foliated	Felsic gneiss (S) with intermixed sections of coarse-grained, pegmatite-like melts. Local variation in the garnet content. Po concentrated in upper 2m of the unit in the garnet-rich portion. Potassic alteration becomes more pervasive in the basal 3m of the unit. Local brecciation present.	10	3	0	0.25
130.8	131.5	UM\LAMP Dike	Dark Grey	Fine Grained	Massive	LAMP dike with 15-20cm alteration halos. Contacts are sharp.	3			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
131.5	133.9	Felsic Gneiss (S)	dark grey and red	Fine-medium	Weakly-moderately	Felsic gneiss (S) with local medium- to coarse-grained felsic melt clots. Quartz/carbonate veinlets with potassic alteration halos present.	10		0	0
133.9	137.8	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dikes with intermixed sections of felsic gneiss (S) and pegmatite. The UM/LAMP dike looks to be intruding along the contact to the overlying felsic gneiss and the underlying pegmatite. Nested Felsic sections from 134.7-135.4m, 136.3-136.7m, 137.1-137.3m.	3		0	0
137.8	139.1	Pegmatite	white and peach	Very Coarse Grained	Massive	Pegmatite unit with a gradual lower contact to siliceous felsic gneiss.	5		0.25	
139.1	145.5	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Weakly Foliated	Felsic gneiss (S) with localized clots and bands of coarse-grained quartz and feldspar. Local variation in garnet content but mainly concentrated in/at contacts to felsics clots. Sulphides also concentrated in/at contacts to felsic clots.	7.5	3	0.25	0.25
145.5	163.8	Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately foliated	Highly siliceous felsic gneiss unit with local sections that are predominantly grey, deformed quartz. Local biotite-rich bands 5-30cm thick. Local quartz veins 1-2cm thick. Sulphides present in higher concentratations in the sections of grey, deformed quartz as well as in the biotite-rich (Borden-like) bands. Sulphides can be alligned parallel to foliation. This unit explains the IP anomaly expected from 115-175m. Light-grey alteration, possible bleaching from 156.9-157.5m. Clots of py 1-3cm in diameter at 161.3m. Garnet-rich section 10cm thick at 162.4m. Amphibolite bands 10cm thick at 162.5 and 162.7m.	10	2	2	2
163.8	177.7	Felsic Gneiss (S)	grey and red	Medium Grained	Weakly-moderately foliated	Heterogeneous unit of felsic gneiss (S) with abundant local variation. Local melts of coarse-grained quartz and feldspar. Local variation in the biotite and amphibole content. Garnet present in very localized sections 3-10cm thick.Sulphides concentrated in/around coarse-grained melts. Quartz/carbonate veinlets with weak bleaching associated with alteration halos. Quartz veins 1-3cm thick. Nested UM/LAMP dike.	10	1	1	0.75
177.7	180.0	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike - weakly magnetic with 10-40cm thick alteration halos.	2			
180.0	183.7	Pegmatite	white and grey	Very Coarse Grained	Massive	Pegmatite with intermixed felsic gneiss sections in the basal 70cm. Pegmatite is composed of white quartz, biotite, minor amphibole and grey to black coarse-grained minerals that lack clevage (smokey quartz?). Sulphides disseminated throughout. Nested UM/LAMP dike.	5		0.25	0.25
183.7	185.0	UM\LAMP Dike	Black	Fine Grained	Massive	UM/LAMP dike - magnetic.	2			
185.0	207.2	Biotite Amphibole Gneiss	red, grey, black	Medium Grained	Banded	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets. Some mafic bands are strongly magnetic - magnetite likely present.	10	0.5	0	0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
207.2	214.3	UM\LAMP Dike	Black	Fine Grained	Massive	UM/LAMP dike - magnetic. Quartz/carbonate veinlets throughout.	2			
214.3	218.9	Biotite Amphibole Gneiss	red, grey, black	Medium Grained	Banded	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets. Some mafic bands are strongly magnetic - magnetite likely present. Brecciation and abundant brocken core from 215.4-217.5m.	10	0.5	0	0.25
218.9	225.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately foliated	Felsic gneiss (S) with local bands of amphibolite 2-5cm thick. Local variation in biotite and amphibole content. Local clots and bands of coarse-grained quartz and feldspars. Sulphides are concentrated in/at contacts to felsic clots. Local veins of white quartz 0.5-1cm thick.	10	5	0.25	
225.7	250.7	Biotite Amphibole Gneiss	red, grey, black	Medium Grained	Banded	Biotite Amphibole gneiss with medium-grained amphibole and biotite in a fine-grained felsic matix of quartz and potassium feldspar. Intermediate bands with amphibole and minor biotite 1-20cm thick. Regular felsic bands of quartz and potassium feldspar 1-10cm thick. Local quartz carbonate veinlets. Some mafic bands are strongly magnetic - magnetite likely present. Abundant brecciation from 239.2-250m.	10	0.5	0.25	0
250.7	255.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately foliated	Felsic gneiss (S) with local variation in biotite and amphibole content. Local clots and bands of coarse-grained quartz and feldspars. Sulphides are concentrated in/at contacts to felsic clots. Local veins of white quartz 0.5-1cm thick. UM/LAMP dike from 253.4-253.8m. EOH.	10	7	0.25	

PROBE MINES LIMITED

Diamond Drilling Log

Hole No	Page No
DDH. EL14-04	1 of 6

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	433	150	285	Collar 60	Chapleau Ont	Crockett Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	357570
01/11/2014	04/11/2014	Nov 1-4, 2014	Breanne Beh	(m)	degrees		Northing	5310020
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	21.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Well Foliated	Medium-grained biotite and amphibole defining foliation in a fine-grained matrix of quartz. Garnets distributed throughout unit. Local bands and clots of very coarse-grained quartz and feldspar melts. Sulphides typically concentrated in biotite-rich bands or in/at contacts to coarse-grained felsic bands and clots. "Z" fold visible in small quartz vein at 13.4m. Local young, white quartz veins 0.5-3cm thick. Gradational lower contact to amphibolite unit - gradual increase in amphibole content.	10	5	0.25	0.25
21.6	23.7	Garnet Amphibolite	Dark green and red	Fine-medium grained	Massive-weakly foliated	Amphibolite unit with garnet distributed throughout. Moderate to strong magnetism due to the presence of Po. Local quartz veins 0.2-1cm thick. Sulphides distributed throughout the unit, can be concentrated at the contacts to quartz veins, and can also be present parallel to foliation. Localized light green patchy alteration.		7.5	0.25	0.25
23.7	24.8	Pegmatite	white and pink	Very Coarse Grained	Massive	Pegmatite with blebby sulphides throughout. Magnetic where Po is present.	10		0.5	0.5
24.8	29.6	Garnet Amphibolite	Dark green and red	Fine-medium grained	Massive-weakly foliated	Amphibolite unit with garnet distributed throughout. Moderate to strong magnetism due to the presence of Po. Local quartz veins 0.2-1cm thick. Sulphides distributed throughout the unit, can be concentrated at the contacts to quartz veins, and can also be present parallel to foliation.		7.5	0.25	0.25
29.6	43.1	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately Foliated	Felsic gneiss (S) with biotite defining foliation. Local amphibole-rich zones. Local coarse-grained felsic clots and bands - melts. Sulphides distributed througout, can be alligned parallel to foliation or concentrated in/at contacts to felsic melts.Moderate potassic alteration from 39.8-43.1m adjacent to UM dike. Brecciation present 40.3-40.5m. Quartz/carbonate veinlets with weak potassic alteration halos.	15		0.5	0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
43.1	45.0	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike with xenoliths 0.2-1cm diameter throughout. Sharp contacts.	2			
45.0	48.8	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately Foliated	Felsic gneiss (S) with biotite defining foliation. Local amphibole-rich zones. Local coarse-grained felsic clots and bands - melts. Sulphides distributed througout, can be alligned parallel to foliation or concentrated in/at contacts to felsic melts. Quartz/carbonate veinlets with weak potassic alteration halos.	15		0.75	0
48.8	49.9	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Intermixed sections of felsic gneiss(S) 10-20cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	3	5	0.25	0
49.9	51.1	Pegmatite	white and pink	Very Coarse Grained	Massive	Pegmatite with intermixed sections of biotite garnet amphibole gneiss 2-5cm thick.	5	1	0	0
51.1	56.3	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Gradual lower contact with a progressive increase in the quartz content. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	3	5	0.25	0
56.3	58.5	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately Foliated	Felsic gneiss (S) with biotite defining foliation. Local amphibole-rich zones. Local coarse-grained felsic clots and bands - melts. Sulphides distributed througout, can be alligned parallel to foliation or concentrated in/at contacts to felsic melts.	15		0.75	0
58.5	62.1	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	3	5	0.25	0.25
62.1	63.2	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately Foliated	Felsic gneiss (S) with biotite defining foliation. Local amphibole-rich zones. Local coarse-grained felsic clots and bands - melts. Sulphides distributed througout, can be alligned parallel to foliation or concentrated in/at contacts to felsic melts. .	15		0.75	0
63.2	69.2	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Intermixed sections of felsic gneiss 10-20cm thick. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Grey, deformed quartz vein at 65.8-66m.	3	5	0.25	0.25
69.2	70.8	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately Foliated	Felsic gneiss (S) with biotite defining foliation. Local amphibole-rich zones. Local coarse-grained felsic clots and bands - melts. Sulphides distributed througout, can be alligned parallel to foliation or concentrated in/at contacts to felsic melts.	15	3	0.25	0
70.8	72.0	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike - sharp contacts.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
72.0	78.4	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Highly siliceous at upper contact with abundant Po. 2cm of massive Po at 72.1m and net-textured Po from 72.5-72.6m - explains IP target expected at this depth.	3	5	0.25	1.5
78.4	83.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike - sharp contacts.				
83.9	91.1	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	3	5	0.25	0.75
91.1	91.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike - sharp contacts.				
91.9	97.9	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Gradual decrease in the amphibole content nearing the basal contact.	3	5	0.25	0.5
97.9	102.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine-grained biotite in a fine-grained matrix of 75% quartz with garnets distributed throughout. Local bands/deformed veins of quartz 0.5-2cm thick with sulphides concentrated at contacts. Deformed quartz vein from 102-102.3m with up to 5% blebby po - magnetic. UM/LAMP dike at 101.1-101.4m.	15	10	0.25	1
102.6	105.3	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Upper contact has 30cm section of amphibolite.	10	5	0.25	0.5
105.3	106.7	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike causing alteration in adjacent units. Sharp contacts.	3		0	0
106.7	130.8	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. UM/LAMP dike from 108.6-109m. Quartz/carbonate veinlets with potassic alteration halos.	10	5	0.25	0.25
130.8	135.2	Pegmatite	Pink, white, black	Very Fine Grained	Massive	Pegmatite unit with sharp upper contact and a gradational lower contact.	10		0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
135.2	145.7	Felsic Gneiss (S)	white, grey, pink	Medium-coarse grained	Banded	Felsic gneiss with intermixed sections of pegmatite 2-50cm thick. Thicker pegmatite units from 140.6-141.1m, 143.4-143.8m, 145.2-145.7m. Sulphides concentrated in coarse-grained, quartz-rich section from 135.5-135.9m - magnetic. Biotite defines foliation. Local bands of coarse-grained quartz and feldspar 0.5-1cm thick. Local amphibole-rich bands 0.5-1cm thick.	15	2	0.25	0.75
145.7	150.0	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Gradual upper contact with a progressive increase in amphibole and garnet.	10	10	0.25	0.25
150.0	150.5	Amphibolite	Dark Green	Fine Grained	Massive	Massive Amphibolite unit with 80-85% amphibole.	3		0	0
150.5	152.3	Pegmatite	white, pink, black	Very Coarse Grained	Massive	Pegmatite unit with nested quartz veins 151.1-151.3m and 151.5-151.8m.	3		0	0
152.3	155.3	Felsic Gneiss (S)	white, grey, pink	Medium-coarse grained	Banded	Felsic gneiss with intermixed sections of pegmatite 2-10cm thick. Sulphides concentrated in coarse-grained, quartz-rich section from 152.8-152.9m - magnetic. Biotite defines foliation. Local bands of coarse-grained quartz and feldspar 0.5-1cm thick. Local amphibole-rich bands 0.5-5cm thick. Quartz/carbonate veinlets with potassic alteration halos.	15	5	0.25	0.75
155.3	156.2	Biotite Garnet Amphibole Gneiss	Dark green, white, red	Medium Grained	Weakly-moderately foliated	Relatively massive unit of biotite garnet and amphibole in a fine-grained groundmass of quartz - gneissic banding is weakly developed. Gradual upper and lower contacts with a progressive increase and decrease in amphibole and garnet.	10	10		
156.2	156.9	Felsic Gneiss (S)	white, grey, pink	Medium-coarse grained	Banded	Felsic gneiss with intermixed sections of pegmatite 2-5cm thick. Biotite defines foliation. Local bands of coarse-grained quartz and feldspar 0.5-1cm thick. Quartz/carbonate veinlets with potassic alteration halos.	15	2	0	0
156.9	159.9	Pegmatite	white, pink	Very Coarse Grained	Massive	Pegmatite with intermixed sections of felsic gneiss and biotite amphibole gneiss 2-15cm thick. Sulphides are concentrated at contacts between the pegmatite and the xenoliths within it.	10		0.25	0.25
159.9	184.5	Biotite Amphibole Gneiss	Dark Grey	Fine-medium grained	Banded	Predominantly mafic bands composed of Biotite and amphibole 1-45cm thick with minor felsic bands 1-10cm thick composed of quartz and minor potassium feldspar. Minor garnet distributed throughout. Sulphides typically concentrated in coarse-grained biotite around the felsic bands. Quartz/carbonate veins with potassic alteration halos.	10	2	0.25	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
184.5	199.4	Pegmatite	white, pink, grey	Very Coarse Grained	Massive	Pegmatite sections intermixed with xenoliths of the felsic gneiss or biotite garnet amphibole gneiss that has been intruded and melted. The xenoliths range from 5-20cm thick. The pegmatite sections compose 60-70% of the unit and measure 2-100cm thick. They are composed of coarse-grained quartz, potassium feldspar and biotite. Blebby sulphides, predominantly Po, concentrated in the basal 1.5m of the unit -magnetic. Quartz/carbonate veinlets with potassic alteration halos. Brecciated pegmatite with pervasive alteration 192.9-193.9m. Highly altered, possible re-cemented fault from 192.9-193.2m.	15	1	0.25	0.75
199.4	200.6	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp contacts.	2		0	0
200.6	207.9	Biotite Garnet Amphibole Gneiss	Black, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine- to medium-grained groundmass of quartz. Local variation in the amphibole content. 1-2cm thick bands and irregular-shaped patches of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides concentrated at 203.9m in a coarse-grained felsic zone - magnetic. Garnets range from 0.5-1cm diameter.	10	10	0	0.5
207.9	208.8	Pegmatite	white, pink	Very Coarse Grained	Massive	Pegmatite with intermixed sections of biotite garnet amphibole gneiss.	10		0.25	
208.8	209.5	Biotite Garnet Amphibole Gneiss	Black, white, red	Medium Grained	Banded	Biotite garnet and amphibole in a fine- to medium-grained groundmass of quartz. Local variation in the amphibole content. 1-2cm thick bands and irregular-shaped patches of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Garnets range from 0.5-1cm diameter.	10	10	0	0.5
209.5	210.0	Pegmatite	White	Very Coarse Grained	Massive	Pegmatite unit with a 25cm thick quartz vein and xenoliths of adjacent rock types. The quartz vein and xenolith at 209.7m is sheared and deformed - porphyroclasts are lozenge-shaped.	5			
210.0	222.5	Garnet Amphibolite	dark green and red	Medium Grained	Massive	Garnet amphibolite composed predominantly of amphibole with garnets, 0.2-1cm in diameter, dispersed throughout. Localized sections where gneissic banding with 0.5-2cm thick bands of quartz and plagioclase feldspar are present. Localized sections where the felsic content of the groundmass increases. The patchy chloritic alteration is typically concentrated around the contacts of the felsic clots and bands. Sulphides are concentrated in/at contacts to felsic zones. Quartz/carbonate veinlets with bleached alteration halos also have a minor potassic alteration component. Core is locally magnetic where Po is present up to 2%.	2	10	0.25	1
222.5	223.0	Pegmatite	white, black	Very Coarse Grained	Massive	Pegmatite unit intruding garnet amphibolite with sharp, irregular contacts.	5			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
223.0	254.7	Garnet Amphibolite	dark green and red	Medium Grained	Massive	Garnet amphibolite composed predominantly of amphibole with garnets, 0.2-1cm in diameter, dispersed throughout. Localized sections where gneissic banding with 0.5-2cm thick bands of quartz and plagioclase feldspar are present. Localized sections where the felsic content of the groundmass increases. Patchy chloritic alteration is typically concentrated around the contacts of the felsic clots and bands. Sulphides are concentrated in/at contacts to felsic zones. Quartz/carbonate veinlets with bleached alteration halos have a minor potassic alteration component.	2	10	0.25	1
254.7	257.0	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp contacts.	2		0	0
257.0	262.3	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly-moderately foliated	Felsic gneiss with local bands and clots of coarse-grained quartz and feldspar 2-60cm thick. The coarse-grained felsic zones could be potential melt areas. Biotite defines foliation. Sulphides disseminated throughout but concentrated in/at contacts to coarse-grained felsic zones where biotite is typically coarse and chaotic as well.	15		0.25	0.75
262.3	265.8	Garnet Amphibolite	dark green and red	Medium Grained	Massive	Garnet amphibolite composed predominantly of amphibole with garnets, 0.2-1cm in diameter, dispersed throughout. Localized sections where gneissic banding with 0.5-2cm thick bands of quartz and plagioclase feldspar are present. Localized sections where the felsic content of the groundmass increases. Patchy chloritic alteration is typically concentrated around the contacts of the felsic clots and bands. Sulphides are concentrated in/at contacts to felsic zones. Quartz/carbonate veinlets with bleached alteration halos have a minor potassic alteration component.	2	5	0	0.25
265.8	266.9	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike causing extensive alteration in adjacent rock units.	1			
266.9	274.1	Biotite Garnet Amphibole Gneiss	Black, white, red	Medium Grained	Banded	Biotite, garnet and amphibole in a fine- to medium-grained groundmass of quartz and minor plagioclase feldspar. Local variation in the amphibole content. 1-2cm thick bands and irregular-shaped patches of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Garnets range from 0.5-1cm diameter.	10	10	0	0.25
274.1	275.1	Felsic Gneiss (G)	White	Medium Grained	Igneous	Felsic gneiss (G) composed predominantly of quartz and feldspar with minor biotite. The unit has an igneous, melt texture but the crystals are not coarse enough to be a pegmatite.	5			
275.1	285.0	Garnet Amphibolite	dark green and red	Medium Grained	Massive	Garnet amphibolite composed predominantly of amphibole with garnets, 0.2-1cm in diameter, dispersed throughout. Localized sections where gneissic banding with 0.5-2cm thick bands of quartz and plagioclase feldspar are present. Localized sections where the felsic content of the matrix increases. Patchy chloritic alteration is typically concentrated around the contacts of the felsic clots and bands. Sulphides are concentrated in/at contacts to felsic zones. Local bands 10-15cm of 90% amphibole. EOH	2	5	0.25	0

PROBE MINES LIMITED

Diamond Drilling Log

Hole No DDH. EL14-05

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	425	150	261	Collar 55	Chapleau Ont	Sandy Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	358563
05/11/2014	08/11/2014	Nov 5-8, 2014	Breanne Beh	(m)	degrees		Northing	5310397
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.2	Casing								
7.2	11.9	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick. Local pegmatite sections 5-25cm thick.	15	0.25	0.25	
11.9	12.4	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-10cm thick. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones.	5	1	0	0
12.4	13.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick.	15	0.25	0.25	
13.2	16.8	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite. Felsic bands of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Unit is magnetic where sulphides are present in higher abundances. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughut the upper 50-60m of this hole is likely macro-scale gneissic banding.	5	1	0	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
16.8	19.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick.	15	0.25	0.25	
19.4	29.2	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite. Felsic bands of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Unit is magnetic where sulphides are present in higher abundances. From 24-26m there is up to 3% Po. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughut the upper 50-60m of this hole is likely macro-scale gneissic banding. Amphiboles become coarse-grained and porphyroblastic from 27.7-29.2m.	5	1	0	1
29.2	30.7	Pegmatite	white, pink, black	Very Coarse Grained	Massive	Pegmatite composed of quartz/feldspar/biotite.	5			
30.7	32.2	Quartz Vein	White	Fine Grained	Massive	Quartz vein with xenoliths of the adjacent pegmatite and amphibolite units.				
32.2	40.4	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite. Felsic bands of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughout the upper 50-60m of this hole is likely macro-scale gneissic banding. Quartz/carbonate veinlets.	5	1	0.25	0.25
40.4	41.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick.	15	0.25	0.25	
41.5	43.0	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite. Felsic bands of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughout the upper 50-60m of this hole is likely macro-scale gneissic banding. Quartz/carbonate veinlets.	5	1		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
43.0	44.3	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick.	15		0.25	
44.3	45.5	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dikes with sharp upper and lower contacts.	2			
45.5	48.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-15cm thick.	15		0.25	
48.2	48.9	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite. Felsic bands of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughout the upper 50-60m of this hole is likely macro-scale gneissic banding. Quartz/carbonate veinlets.	5	1		0.5
48.9	49.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-15cm thick.	15		0.25	
49.4	49.9	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite. Felsic bands of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughout the upper 50-60m of this hole is likely macro-scale gneissic banding. Quartz/carbonate veinlets.	5	1		0.5
49.9	50.9	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Garnets up to 0.7cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-15cm thick. Basal 50cm of unit is dark grey and altered - possibly due to numerous thin 0.5cm thick UM dikes.	15	3	0.25	0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
50.9	51.7	Felsic Gneiss (S)	Light Grey	Very Fine Grained	Massive-weakly foliated	Siliceous felsic gneiss with massive to weakly foliated texture. Minor biotite and garnet. Unit is magnetic due to presence of Po. Quartz/carbonate veins with bleached alteration halos.	5	0.5		1.5
51.7	55.1	Biotite garnet amphibole gneiss	Grey	Medium Grained	Well Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Gradational lower contact with a progressive increase in amphibole and garnet.	10	10		1
55.1	57.7	Garnet Amphibolite	Dark Green	Medium Grained	Banded	Garnet amphibolite is relatively massive and composed predominantly of mafic sections of amphibole and minor biotite. Felsic clots of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. The intermixing of felsic gneiss (S) and garnet amphibolite gneiss units throughout the upper 50-60m of this hole is likely macro-scale gneissic banding. Quartz/carbonate veinlets.	5	10		0.5
57.7	58.3	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Trace garnets 0.1-0.2cm diameter. Local clots of coarse-grained quartz. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-15cm thick.	15		0.25	
58.3	84.6	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite. Felsic clots of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Bands of net-textured to massive Po 1-20cm thick present between 66-68.8m - strongly magnetic and likely generating IP anomaly. UM/LAMP dike from 67.2-67.5m.	5	10	0.25	5
84.6	85.1	Felsic Gneiss (S)	Light Grey	Very Fine Grained	Massive-weakly foliated	Siliceous felsic gneiss with massive to weakly foliated texture. Minor biotite and garnet. Unit is magnetic due to presence of Po. Quartz/carbonate veins with bleached alteration halos.	5	0.5		1.5
85.1	97.2	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite. Felsic clots of quartz and plagioclase feldspar, 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Bands of net-textured to massive Po 1 cm thick adjacent to a 1cm thick deformed quartz vein at 86.2m - strongly magnetic. 10cm thick deformed quartz vein with blebby Po at 86.3m.	5	10	0.25	0.75

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
97.2	97.9	Pegmatite	white, black	Very Coarse Grained	Massive	Pegmatite with very coarse-grained books of biotite. Minor blebbly Po at contacts to biotite.	10		0	0.25
97.9	99.4	Biotite garnet amphibole gneiss	Grey	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Sharp lower contact with an increase in amphibole and garnet.	10	5		1
99.4	109.1	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-10cm thick. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Local sections that have a composition similar to biotite garnet amphibole gneiss 10-30cm thick - gneissic banding.	5	10	0.25	0.25
109.1	113.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local clots of coarse-grained quartz with garnets 0.1-0.8cm diameter concentrated around them. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick.	15	1	0.25	0.75
113.2	124.3	Biotite Amphibole Gneiss	dark grey, dark green	Medium Grained	Banded	Bioite amphibole gneiss with a gradational upper contact as the amphibole content progressively increases. Mafic bands 5-45cm thick dominated by amphibole and biotite in a fine-grained matrix of quartz and feldspars. Felsic bands 1-3cm thick composed of coarse-grained quartz and potassium feldspar. Local sections of garnet biotite felsic gneiss 5-20cm thick composed of coarse-grained biotite and garnets in a quartz dominated matrix. Sulphides concentrated in sections of garnet biotite gneiss. Pegmatite unit from 113.7-114.1m.	15	2		0.5
124.3	125.7	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Sulphides concentrated in upper 30cm of the unit which is particularly siliceous - magnetic.	20	10	0	1
125.7	127.8	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike likely intruding along plane of weakness at contact to adjacent pegmatite. Significant broken core.	2			
127.8	129.1	Pegmatite	white, pink, black	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts.	5	1		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
129.1	139.6	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands.	20	10	0	0.5
139.6	141.5	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP with sharp contacts and 10-20cm thick alteration halos.	2			
141.5	145.0	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout unit. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos.	20	10	0	0.5
145.0	146.3	Amphibolite	Dark Green	Medium Grained	Massive	Amphibolite unit with 10% biotite and minor quartz and feldspar. This could be a section of alteration within the garnet biotite felsic gneiss. Pegmatite unit from 145.8-146.1m.	10		0	0
146.3	148.5	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos.	20	10	0	0.5
148.5	149.6	Amphibolite	Dark Green	Medium Grained	Massive	Amphibolite unit with 10% biotite and minor quartz and feldspar. Intermixed garnet biotite felsic gneiss sections 10-15cm thick. Sulphides concentrated at contacts to felsic clots and garnet biotite felsic gneiss sections.	10		0	0.5
149.6	151.2	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos.	20	5	0	0.5
151.2	151.8	Amphibolite	Dark Green	Medium Grained	Massive	Amphibolite unit with 10% biotite and minor quartz and feldspar present as coarse-grained clots. Sulphides concentrated at contacts to felsic clots.	10		0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
151.8	152.8	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos.	20	5	0	0.5
152.8	153.3	Pegmatite	white, pink	Very Coarse Grained	Massive	Pegmatite with xenoliths of garnet biotite felsic gneiss that is being intruded.	5	0.5	0.25	
153.3	155.2	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos.	20	5	0.25	0.25
155.2	155.7	Amphibolite	Dark Green	Medium Grained	Massive	Amphibolite unit with 10% biotite and minor quartz and feldspar present as coarse-grained clots. Sulphides concentrated at contacts to felsic clots.	10		0	0
155.7	166.3	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Minor amphiboles distributed throughout unit, they are typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-2cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos. Black-coloured alteration from 159.5-159.7m - UM dike?	20	5		0.25
166.3	172.9	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-10cm thick. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Local sections that have a composition similar to biotite garnet amphibole gneiss 10-30cm thick - gneissic banding.	5	10		0.25
172.9	182.4	Biotite garnet amphibole gneiss	Grey	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but has a quartz-rich matrix. Bands of garnet amphibolite present 10-20cm thick. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Gradational upper contact with a progressive increase in the silica content in the matrix.	10	5		1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
182.4	186.3	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	Sharp contacts. Quartz/carbonate veinlets and xenoliths throughout.	3			
186.3	192.8	Biotite garnet amphibole gneiss	Grey	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but has a quartz-rich matrix. Bands of garnet amphibolite present 10-20cm thick. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	10	5		0.5
192.8	196.1	Pegmatite	white, pink, black	Very Coarse Grained	Massive	Pegmatite with sharp upper and lower contacts. Breccia - likely an annealed fault zone from 193.3-193.5m.	15			0.25
196.1	197.4	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Foliated	Siliceous felsic gneiss (S) with biotite defining foliation. Bands of coarse-grained quartz and minor feldspar 0.5-1cm thick. Local amphibole-rich bands 1cm thick. Sulphides distributed throughout and can be alligned parallel to foliation.	7.5	2	0.25	0.25
197.4	198.6	Biotite garnet amphibole gneiss	Grey	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but has a quartz-rich matrix. Bands of garnet amphibolite present 10-20cm thick. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	10	5	0.25	0.25
198.6	204.9	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local bands and clots of coarse-grained quartz 1-5cm thick. In some cases, the clots appear to be deformed quartz veins. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local variation in amphibole content.	15	1	0.25	0.25
204.9	209.1	Biotite garnet amphibole gneiss	Grey	Medium Grained	Moderately Foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but has a quartz-rich matrix. Sections of garnet amphibolite present 10-20cm thick. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-2cm thick bands of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas.	10	5	0.25	0.25
209.1	210.0	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-10cm thick. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones.	5	10		0.25
210.0	213.1	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp upper and lower contacts. Quartz/carbonate veinlets and xenoliths throughout.	5			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
213.1	227.2	Garnet Amphibolite Gneiss	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-10cm thick. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Local sections that have a composition similar to biotite garnet amphibole gneiss 10-30cm thick - gneissic banding. UM/LAMP dikes at 217.7-217.9m and 220.3-220.5m. Local grey-coloured quartz veins 0.5-1.5cm thick.	5	10		0.25
227.2	229.0	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Siliceous Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local bands and clots of coarse-grained quartz 1-5cm thick. In some cases, the clots appear to be deformed quartz veins. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots.	5			0.25
229.0	229.6	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp upper and lower contacts. Quartz/carbonate veinlets and xenoliths throughout.	5			
229.6	232.8	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Siliceous Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local bands of coarse-grained quartz 1-5cm thick. Clots of coarse-grained quartz and feldspar that appear to be melts. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots.	5			0.25
232.8	233.9	Garnet Amphibolite	Dark Green	Medium Grained	Banded	Garnet amphibolite is composed predominantly of and minor biotite, quartz and plagioclase feldspar. Local patches of quartz and feldspars. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots.	5	5	0.25	0.25
233.9	261.0	Felsic Gneiss (S)	grey, green	Medium-coarse grained	Banded	Felsic gneiss with biotite in a matrix of quartz and feldspars - granular and recrystallized. Local felsic bands and clots of coarse-grained quartz and feldspars 0.5-5cm thick. Local quartz veins 1-2cm thick. Local pegmatite sections from 254.9-256m. Local variation in amphibole content. Amphibole is distributed throughout and also present as amphibole-rich bands 2-20cm thick. EOH	10	1	0.25	0.25

PROBE MINES LIMITED

Diamond Drilling Log

Hole No DDH. EL14-06

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	430	150	402	Collar 55	Chapleau Ont	Sandy Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	358743
08/11/2014	11/11/2014	Nov 8-11, 2014	Breanne Beh	(m)	degrees		Northing	5310499
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	12.7	Casing								
12.7	13.2	Pegmatite	White	Coarse Grained	Massive	Deformed pegmatite (?) composed predominantly of quartz with coarse-grained amphibole and garnets.	5	5		
13.2	15.0	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dike with sharp contacts. Xenoliths and quartz/carbonate veinlets throughout. Weakly magnetic.	3			
15.0	39.3	Garnet Biotite Felsic Gneiss	white, grey, red	Fine-medium grained	Banded	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-5cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos. Gradational lower contact with a progressive increase in amphibole content.	20	5	0.25	0.25
39.3	45.5	Garnet Amphibolite Gneiss	Dark Green	Fine-medium grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Basal 30cm of the unit has up to 2% Po - strongly magnetic.	2	10	0.25	0.5
45.5	46.0	Pegmatite	white, pink	Very Coarse Grained	Massive	Pegmatite with sulphides and biotite concentrated predominantly within 5cm of contacts to adjacent units.	3		0.25	

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
46.0	61.4	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Well Foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local clots and bands of coarse-grained quartz and feldspars. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-10cm thick. Local variation in epidote content with a higher concentration present in the amphibole-rich bands. Quartz/carbonate veinlets with potassic alteration halsos. Chloritic alteration present from 52.3-52.6m. UM/LAMP dike from 53-53.1m. Pegmatite units at 56.8-57.2m and 60.4-60.8m.	10	0.25	0.25	0.5
61.4	63.6	Garnet Amphibolite	Dark Green	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. In some sections Po reaches 1-1.5% - magnetic.	2	3	0	0.75
63.6	67.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately - well Foliated	Felsic gneiss with a siliceous section from 63.6-64.8m. Biotite defines foliation. Local sections with amphibole and epidote 30cm thick that have up to 2% Po - magnetic.	10	0.5	0.25	0.75
67.0	81.7	Garnet Amphibolite Gneiss	Dark Green	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Local sections with up to 1-2% Po - magnetic. Amphiboles become porphyroblastic from 77-80m. Pegmatite from 78.3-78.7m. Quartz veins 1-3cm thick. Quartz/carbonate veining.	2	3	0.25	0.25
81.7	82.6	Pegmatite	white, pink	Very Coarse Grained	Massive	Pegmatite with a quartz vein from 82.5-82.6m at the basal contact.	2	1		
82.6	83.9	Garnet Amphibolite Gneiss	Dark Green	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Gradational lower contact with a progressive decrease in the amphibole content.	2	3		0.25
83.9	87.8	Biotite Garnet Amphibole Gneiss	Grey	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but this unit has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-5cm thick bands and clots of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Gradational upper contact with a gradual decrease in the amphibole content from the adjacent amphibolite unit.	2	10		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
87.8	92.9	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local clots and bands of coarse-grained quartz and feldspars. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-30cm thick. Local variation in epidote content with a higher concentration present in the amphibole-rich bands. Quartz/carbonate veinlets with potassic alteration halsos. Amphibolite section 88.2-88.5m.	10	0.25	0.25	0.5
92.9	93.7	Biotite Garnet Amphibole Gneiss	Grey, green	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but this unit has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-5cm thick bands and clots of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Intermixed with felsic gneiss units - possible macro-scale gneissic banding.	2	10		0.25
93.7	94.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Felsic gniess composed of a matrix of predominantly quartz with minor feldspars. Biotite distributed throughout and defines foliation. Local clots and bands of coarse-grained quartz and feldspars. Sulphides distributed throughout but typically present in higher concentrations at contacts to felsic clots. Local amphibole-rich bands 1-30cm thick. Local variation in epidote content with a higher concentration present in the amphibole-rich bands. Quartz/carbonate veinlets with potassic alteration halsos.	10	0.25		0.25
94.5	96.6	Biotite Garnet Amphibole Gneiss	Grey, green	Medium Grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but this unit has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-5cm thick bands and clots of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Intermixed with felsic gneiss units - possible macro-scale gneissic banding.	2	5		0.25
96.6	100.3	Garnet Amphibolite Gneiss	Dark Green	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Gradational lower contact with a progressive decrease in the amphibole content. Pegmatite 99.5-99.8m.	2	3		0.5
100.3	105.2	Garnet Biotite Felsic Gneiss	white, grey, red	Fine-medium grained	Banded	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-5cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated at contacts to felsic bands and clots or in amphibole-rich bands. Quartz/carbonate veins with potassic alteration halos. Gradational lower contact with a progressive increase in amphibole content.	20	5	0.25	0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
105.2	113.6	Garnet Amphibolite	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. In some locations Po reaches 1-1.5% - magnetic. Coarse-grained, melt texture from 111-113.6m associated with a number of the pegmatite clots/veins.	2	5	0	0.75
113.6	115.6	Amphibolite	white,green	Coarse Grained	Massive	Siliceously altered amphibolite unit due to numerous quartz veins 5-20cm thick at 113.6m, 113.7m, 114.6m. Salvages of the altered amphibolite present throughout the deformed quartz veins. Blebby sulphides present throughout unit - magnetic. Likely the IP anomaly expected at ~100m.	1	0.25	0.5	2.5
115.6	116.5	Felsic Gneiss (S)	greenish grey	Very Fine-fine grained	Weakly Foliated	Siliceous felsic gneiss unit with minor amphibole throughout. Sulphides disseminated throughout. Possible trace chalcopyrite.	5	0.25	0.25	2
116.5	126.6	Garnet Amphibolite	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. Gradational basal contact.	2	10	0.25	0.25
126.6	128.7	Felsic Gneiss (S)	greenish grey	Very Fine-fine grained	Weakly Foliated	Siliceous felsic gneiss unit with amphibole throughout. Vitreous, shiny blue mineral - labradorite or deformed anorthosite? Sulphides disseminated throughout, trace chalcopyrite. Grey, deformed quartz vein from 128.6-128.7m.	5	0.25	0.25	2
128.7	129.8	Felsic Gneiss (S)	Grey	Very Fine Grained	Massive	Very fine-grained felsic gneiss unit (?). Possible minor amphibole. Clots of Po at upper contact to adjacent siliceous unit.	3			1.5
129.8	131.5	Biotite Garnet Amphibole Gneiss	Grey,red	Medium Grained	Banded	Siliceous biotite garnet and amphibole gneiss unit. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-5cm thick bands and clots of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. Pegmatite sections from 129.8-130.1m, 130.5-130.6m, 130.7-131m.	10	15	0.25	1
131.5	141.2	Garnet Amphibolite Gneiss	Dark Green	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones.	2	10		0.25
141.2	143.4	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike with sharp contact. Xenoliths and quartz/carbonate veinlets throughout.	5			
143.4	148.5	Garnet Amphibolite Gneiss	Dark Green	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones.	2	10		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
148.5	149.3	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Foliated	Fine-grained felsic gneiss with biotite defining foliation and minor garnet. Local coarse-grained bands and clots of quartz and feldspars. 1-2cm thick quartz veins. Sulphides disseminated throughout and concentrated in/at contacts to coarse-grained felsic clots and bands.	10	2	0.5	0.5
149.3	152.9	Garnet Amphibolite Gneiss	Dark Green	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Localized sections that have a composition similar to biotite garnet amphibole gneiss with a quartz-rich groundmass. Siliceous bands and clots 1-10cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones.	2	15		1
152.9	155.3	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Foliated	Fine-grained felsic gneiss with biotite defining foliation and minor garnet. Local coarse-grained bands and clots of quartz and feldspars. 1-2cm thick quartz veins. Sulphides disseminated throughout and concentrated in/at contacts to coarse-grained felsic clots and bands. Amphibole content increases gradationally at basal contact.	10	2	0.25	0.25
155.3	157.1	Garnet Biotite Felsic Gneiss	white, grey, red	Medium Grained	Banded	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Blebby sulphides concentrated in a 30cm thick section from 156.8-157.1m composed of numerous 1-5cm thick quartz veins - 3% Po in this section. Gradational lower contact with a progressive increase in amphibole content.	20	10	0	1
157.1	166.4	Garnet Amphibolite Gneiss	Dark Green,white	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with local felsic bands of quartz and plagioclase feldspar 1-3cm thick - weak gneissic banding developed. Siliceous bands and clots 1-10cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. 10cm diameter garnet at 158.1m. UM/LAMP dike at 161.6-161.8m.	2	10		0.25
166.4	176.8	Garnet Biotite Felsic Gneiss	white, grey, red	Medium Grained	Banded	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Blebby sulphides concentrated in a 30cm thick section from 166.4-166.7m at upper contact- 3% Po in this section.	20	10	0	0.5
176.8	177.5	Felsic Gneiss (G)	white,pink	Medium-coarse	Massive-weakly	Felsic gneiss (G) composed of potassium feldspar, quartz and minor biotite and garnet. Potential deformed, sheared pegmatite or a localized deformed melt.	3	1	0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
177.5	181.1	Garnet Biotite Felsic Gneiss	white, grey, red	Medium Grained	Banded	Garnet biotite felsic gneiss composed of medium-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-5cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Pegmatite/felsic gneiss (G) from 177.8-178.1m.	20	10	0.25	
181.1	184.4	Amphibolite	Dark Green	Fine-medium	Massive-weakly	Massive Amphibolite unit with minor biotite and plagioclase. Quartz/carbonate veins with potassic alteration halos.	5			
184.4	190.7	Garnet Biotite Felsic Gneiss	white, grey, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss composed of medium- to coarse-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-10cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated in/at contacts to coarse-grained felsic bands and clots. Local very fine-grained sections of amphibole and biotite.	20	10	0.25	0.25
190.7	193.1	Amphibolite	Dark Green	Medium Grained	Massive-weakly foliated	Massive Amphibolite unit with minor biotite and plagioclase. Intermixed sections of garnet biotite felsic gneiss 5-10cm thick. Local coarse-grained bands of quartz and feldspars 1-3cm thick. Unit is magnetic where Po is present.	10			0.25
193.1	193.9	Garnet Biotite Felsic Gneiss	white, grey, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss composed of medium- to coarse-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-10cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated in/at contacts to coarse-grained felsic bands and clots. Local very fine-grained sections of amphibole and biotite.	20	10		0.25
193.9	195.6	Amphibolite	Dark Green	Medium Grained	Massive-weakly foliated	Massive Amphibolite unit with minor biotite and plagioclase. Intermixed sections of garnet biotite felsic gneiss 5-10cm thick. Local coarse-grained bands of quartz and feldspars 1-3cm thick. Unit is magnetic where Po is present.	10			0.25
195.6	197.0	Garnet Biotite Felsic Gneiss	white, grey, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss composed of medium- to coarse-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-10cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated in/at contacts to coarse-grained felsic bands and clots.	20	10		0.25
197.0	197.6	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike with sharp contacts. Xenoliths throughout.	3			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
197.6	204.4	Garnet Biotite Felsic Gneiss	white, grey, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss composed of medium- to coarse-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-40cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated in/at contacts to coarse-grained felsic bands and clots.	20	10		0.25
204.4	207.6	Garnet Amphibolite	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots.	2	5	0.25	0.25
207.6	210.5	Garnet Biotite Felsic Gneiss	white, grey, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss composed of medium- to coarse-grained garnet and biotite distributed throughout a matrix of quartz and minor feldspars. Amphibole throughout unit, typically concentrated in amphibole-rich bands 1-40cm thick. Biotite defines foliation. Bands of coarse-grained quartz and minor feldspars 0.5-1cm thick throughout. Local very coarse-grained clots of quartz and feldspars. Sulphides typically concentrated in/at contacts to coarse-grained felsic bands and clots. Pervasive blue alteration from 208.9-209.9m.	20	10		0.25
210.5	219.2	Garnet Amphibolite Gneiss	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local bands of coarse-grained quartz and feldspars 0.5-5cm thick. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. Boudins of garnets with amphiboles deforming around them present.	2	10	0.25	0.25
219.2	220.6	UM\LAMP Dike	Black	Fine Grained	Massive	UM/LAMP dike resulting in pervasive alteration of the garnet amphibolite unit that iwas intruded.	3	0.5		
220.6	224.3	Garnet Amphibolite Gneiss	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local bands of coarse-grained quartz and feldspars 0.5-5cm thick. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots.	3	10	0.25	0.25
224.3	226.5	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike with small xenoliths and quartz/carbonate veinlets throughout.	3			
226.5	231.7	Garnet Amphibolite Gneiss	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local bands of coarse-grained quartz and feldspars 0.5-5cm thick. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Local sections with a felsic gneiss composition 10-20cm thick. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots.	3	10	0.25	0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
231.7	237.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Banded	Felsic gneiss (S) composed predominantly of quartz with minor feldspars. 10% biotite that defines the foliation. Bands of coarse-grained quartz and feldspar 0.5-1cm thick. Local quartz veins 0.5-1cm thick - grey quartz and fresh white quartz present. Amphiboles typically concentrated in amphibole-rich band or present at contacts to felsic bands. Sulphides typically concentrated in/at contacts to felsic bands. Quartz/carbonate veinlets with potassic alteration halos and bleaching present. 10cm thick quartz vein at basal contact.	15		0.5	
237.4	239.8	Garnet Amphibolite Gneiss	Dark Green, light green, red	Fine-medium grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local bands of coarse-grained quartz and feldspars 0.5-5cm thick. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Local sections with a felsic gneiss composition 10-20cm thick. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. Felsic interlayer from 238.4-238.8m with 20% amphibole as mafic bands 1-2cm thick.	5	15		0.5
239.8	241.6	Biotite Garnet Amphibole Gneiss	Grey, white, red	Medium-coarse grained	Banded	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but this unit has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. 1-5cm thick bands and clots of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Sulphides commonly concentrated in/around these felsic areas. UM/LAMP dike from 240.4-240.5m.	10	15		
241.6	244.1	Garnet Amphibolite	Dark Green, light green, red	Medium Grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Local clots of coarse-grained quartz and feldspar. Local sections of biotite garnet amphibole gneiss 10-15cm thick. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots.	2	10		0.25
244.1	244.6	Pegmatite	white, black	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts. Very coarse-grained amphibole.	5			
244.6	248.6	Garnet Amphibolite	Dark Green, light green, red	Medium Grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Local clots of coarse-grained quartz and feldspar. Local sections of biotite garnet amphibole gneiss 10-15cm thick. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots.	2	10		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
248.6	253.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Banded	Felsic gneiss (S) composed predominantly of quartz with minor feldspars. 10% biotite that defines the foliation. Bands of coarse-grained quartz and feldspar 0.5-1cm thick. Local quartz veins 0.5-1cm thick - grey quartz and fresh white quartz present. Amphiboles typically concentrated in amphibole-rich band or present at contacts to felsic bands. Sulphides typically concentrated in/at contacts to felsic bands. Where present up to 1% the core is weakly magnetic. Quartz/carbonate veinlets with potassic alteration halos and bleaching present. 10cm thick quartz vein at basal contact.	15	1		0.25
253.4	255.7	Amphibolite	green, grey	Medium-coarse grained	Melt	Amphibolite composed of amphibole-rich bands intermixed with 1-2cm thick quartz and feldspar-rich bands containing minor biotite. Unit has a coarse-grained melt texture from 255-255.7m nearing the contact with the pegmatite.	10	.5	0.25	
255.7	256.2	Pegmatite	white, pink, black	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts to adjacent melted amphibolite units.	10			
256.2	256.7	Amphibolite	green, grey	Coarse Grained	Melt	Amphibolite that is predominantly a coarse-grained melt texture from adjacent pegmatite units.	10	.5	0.25	
256.7	257.3	Pegmatite	white, pink, black	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts to adjacent melted amphibolite units.	10			
257.3	258.0	Amphibolite	green, grey	Coarse Grained	Melt	Amphibolite that is predominantly a coarse-grained melt texture from adjacent pegmatite units.	10	.5	0.25	
258.0	259.0	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dikes with sharp contacts. 10cm thick section of felsic gneiss at 258.5m.	3			
259.0	284.1	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Felsic gneiss (S) with amphibole. Local bands and clots of coarse-grained quartz and feldspar in addition to 0.5-5cm thick quartz veins. Sulphides disseminated throughout and concentrated in/at contacts to coarse-grained felsic clots and bands. Patchy potassic alteration throughout the unit. 10cm thick UM/LAMP dikes from 275-276m. Altered section from 278.5-279.1m with 10% epidote and up to 2% py.	10		0.5	
284.1	285.3	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts. Quartz/carbonate veinlets cross-cutting.	10		0.25	
285.3	287.8	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Felsic gneiss (S) with amphibole. Local bands and clots of coarse-grained quartz and feldspar in addition to 0.5-5cm thick quartz veins. Sulphides disseminated throughout and concentrated in/at contacts to coarse-grained felsic clots and bands. Patchy potassic alteration throughout the unit.	10		0.5	
287.8	294.4	Garnet Amphibolite	Dark Green, light green, red	Medium Grained	Massive-weakly foliated	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Local clots of coarse-grained quartz and feldspar. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. Pegmatite from 290.9-291.2m.	2	10		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
294.4	295.1	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Felsic gneiss (S) with amphibole. Local bands of coarse-grained quartz and feldspar 0.5-2cm thick in addition to a quartz vein 1cm thick. Sulphides disseminated throughout and concentrated in/at contacts to coarse-grained felsic clots and bands. Amphibole distributed throughout. 10cm thick pegmatite section at basal contact.	10		0.25	
295.1	314.0	Garnet Amphibolite Gneiss	Dark Green, light green, red	Medium-coarse grained	Banded	Garnet amphibolite is composed predominantly of amphibole and minor biotite, quartz and plagioclase feldspar. Local siliceous patches of quartz and feldspars sometimes with a light green alteration. Local clots of coarse-grained quartz and feldspar. Local sections of biotite garnet amphibole gneiss composition - macroscale gneissic banding (?). Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to felsic clots. Local 5-10cm thick sections where they are present up to 2-3% generating a section of magnetic core.	3	10	0.25	0.25
314.0	350.9	Biotite Amphibole Gneiss	dark green, white, pink	Medium-coarse grained	Banded	Bioite amphibole gneiss is composed of Mafic bands 5-45cm thick dominated by amphibole and biotite in a fine-grained matrix of quartz and feldspars. Felsic bands 1-10cm thick composed of coarse-grained quartz and potassium feldspar. Local sections of garnet biotite felsic gneiss 5-40cm thick composed of coarse-grained biotite and garnets in a quartz dominated matrix. Trace sulphides. Brecciation and pervasive potassic alteration from 330.6-331.8m.	10	0.5	0.25	0.25
350.9	401.0	Felsic Gneiss (S)	white, pink, grey	Medium-coarse grained	Massive-weakly foliated	Coarse-grained, re-crystallized, felsic gneiss (granulite facies) composed of predominantly quartz and potassium feldspar. Foliation defined by biotite and amphibole. Local variation in the amphibole content. Regular mafic bands composed of biotite and amphibole 0.5-2cm thick. Local amphibole-rich bands 2-20cm thick. Amphibole also present as very coarse-grained crystals in/at conatacts to pegmatite sections. Local irregular sections of foliation - folding. Quartz/carbonate veins with potassic alteration halos. UM/LAMP dike 390.4-390.6m.	10	0.5	0.25	
401.0	402.0	Amphibolite	Dark Green	Medium-coarse grained	Massive	Amphibolite unit with sharp contacts to the adjacent felsic gneiss unit. Local 1-2cm thick bands of coarse-grained quartz/feldspar cross-cutting the amphibolite. Sulphides present in 2cm thick pegmatite vein that has sharp contacts but is irregular-shaped. EOH	3			0.25

PROBE MINES LIMITED

Diamond Drilling Log

Hole No	Page No
DDH. EL14-07	1 of 6

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	425	150	261	Collar 75	Chapleau Ont	Hellyer Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	364747
12/11/2014	26/11/2014	Nov 12-26, 2014	Breanne Beh	(m)	degrees		Northing	5316341
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	10.2	Casing								
10.2	12.8	Amphibolite	Dark Green	Fine-medium grained	Well Foliated	Amphibolite with alteration thoughout due to thin 0.5-10cm thick UM dykes and 0.5-1cm thick quartz/carbonate veins. Thin 0.2-0.5cm thick felsic bands. Brecciation associated with two 10cm thick UM dykes at basal contact.	2		0	0
12.8	16.3	Amphibolite	white, blue-grey, green	Coarse Grained	Massive-weakly foliated	Highly altered amphibolite (?) composed of a groundmass of plagioclase feldspar and minor quartz with green amphibole and a possible blue-grey sodic amphibole distributed throughout. A bright green mineral is also present, 0.25%. The amphibole minerals are locally deformed and define a weak foliation. There is a gradational basal contact to a less altered section of amphibolite from 15-15.9m. 15.9-16.3m has the composition of a more typical amphibolite gneiss unit with 75% amphibole and minor felsic bands 0.2-0.5cm thick composed of potassium and plagioclase feldspars.			0	0
16.3	18.8	Felsic Gneiss (G)	white, pink, red	Coarse Grained	Massive	Felsic gneiss (G) composed of quartz, potassium feldspar, minor biotite, garnet and amphibole. Likely a migmatitic, melt-like unit. Gradational basal contact to the underlying garnet biotite felsic gneiss unit.	5	5	0	0
18.8	23.6	Garnet Biotite Felsic Gneiss	white, black, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss unit with medium- to coarse-grained garnets and biotite distributed throughout a groundmass of quartz and feldspars. Felsic bands of quartz and feldspars 0.5-1cm thick throughout the unit. Possible sillimanite present in felsic bands. Local variation in amphibole content - gradational increase within basal 2m.	20	10	0.25	
23.6	25.9	Felsic Gneiss (S)	red, grey	Medium-coarse grained	Massive-weakly foliated	Felsic gneiss unit with alteration due to adjacent UM/LAMP dyke and 1-5cm thick pegmatite veins. Local remnant sections with a felsic gneiss composition 10-20cm thick. Quartz/carbonate veinlets throughout. Annealed fractures throughout.	10	3	0.5	0
25.9	26.5	UM\LAMP Dike	Dark Grey	Very Fine Grained	Massive	UM/LAMP dyke 15cm thick with a 45cm thick alteration halo. Dyke is strongly magnetic.	3			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
26.5	33.5	Felsic Gneiss (S)	red	Medium Grained	Massive	Highly altered unit of felsic gneiss. K-alteration is pervasive. Unit is brecciated throughout with minor quartz and feldspar infill in the fractures. Annealed, late, brittle fault zone.	3		0	0
33.5	37.5	Garnet Biotite Felsic Gneiss	white, black, red	Medium-coarse grained	Banded	Garnet biotite felsic gneiss unit with medium- to coarse-grained garnets and biotite distributed throughout a groundmass of quartz and feldspars. Felsic bands of quartz and feldspars 0.5-1cm thick throughout the unit. Possible sillimanite present in felsic bands. Local variation in amphibole content.	20	10	0.25	
37.5	39.5	Garnet Amphibolite	black, red, white	Medium-coarse grained	Massive-weakly foliated	Garnet amphibolite is relatively massive and composed predominantly of mafic sections of amphibole with trace biotite. Felsic clots of quartz, plagioclase feldspar and potassium feldspar 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Quartz/carbonate veinlets. Pegmatite from 47.1-47.4m.	2	7	0.25	0.25
39.5	40.1	Pegmatite	white, pink	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts.	2	2		
40.1	50.3	Garnet Amphibolite	black, red, white	Medium-coarse grained	Massive-weakly foliated	Garnet amphibolite is relatively massive and composed predominantly of mafic sections of amphibole with trace biotite. Felsic clots of quartz, plagioclase feldspar and potassium feldspar 1-10cm thick, with minor biotite are intermixed with the mafic sections. Siliceous bands 5-25cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Quartz/carbonate veinlets. Pegmatite from 39.5-39.9m and 47.1-47.4m.	2	7	0.25	0.25
50.3	61.0	Felsic Gneiss (S)	Light Grey	Fine Grained	banded	Fine-grained, siliceous felsic gneiss. Local bands 0.5-5cm thick of medium- to coarse-grained quartz and feldspars that commonly have pinch and swell contacts as well as boudinage deformation. Local zones of late fracturing and brecciation throughout. Lots of broken core. Quartz/carbonate veinlets. Sulphides concentrated along fractures.	5	3	0.25	
61.0	64.6	Garnet Amphibolite	black, red, white	Medium-coarse grained	Massive-weakly foliated	Garnet amphibolite is relatively massive and composed predominantly of mafic sections of amphibole with trace biotite. Felsic clots of quartz, plagioclase feldspar and potassium feldspar with minor biotite, 1-10cm thick, are intermixed with the mafic sections. Siliceous bands 1-2cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Quartz/carbonate veinlets. 63.1-63.4m has approximately 30% garnet.	2	10	0.25	
64.6	67.6	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with quartz/carbonate veinlets throughout. Xenoliths of the garnet amphibolite that was intruded. Strongly magnetic.	2			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
67.6	83.3	Garnet Amphibolite Gneiss	black, white, red	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with felsic bands of quartz and plagioclase feldspar 1-3cm thick spaced approximately every 20-30cm - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Sulphides also concentrated along fractures.	1	10		0.5
83.3	87.9	Felsic Gneiss (S)	Light Grey	Fine Grained	banded	Fine-grained, siliceous felsic gneiss. Local bands 0.5-5cm thick of medium- to coarse-grained quartz and feldspars that commonly have pinch and swell contacts as well as boudinage deformation. Trace Po. Amphibole content increses in basal 40cm.	5	3		0.25
87.9	98.9	Garnet Amphibolite Gneiss	black, white, red	Medium-coarse grained	Banded	Garnet amphibolite gneiss is composed predominantly of mafic bands of amphibole and minor biotite with felsic bands of quartz and plagioclase and potassium feldspars 1-3cm thick spaced approximately every 20-30cm - weak gneissic banding developed. Siliceous bands 1-3cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Local sections of 95% amphibole 2-15cm thick. Pegmatite from 98.6-98.9m.	1	7		0.5
98.9	99.6	Felsic Gneiss (S)	Light Grey	Fine Grained	banded	Fine-grained, siliceous felsic gneiss. Local bands 0.5-5cm thick of medium- to coarse-grained quartz and feldspars that commonly have pinch and swell contacts as well as boudinage deformation. Trace Py. Alteration due to adjacent UM dyke from 99.6-99.7m.	5		0.25	
99.6	101.2	Garnet Amphibolite	black, red, white	Medium-coarse grained	Massive-weakly foliated	Garnet amphibolite is relatively massive and composed predominantly of mafic sections of amphibole with trace biotite. Felsic clots of quartz, plagioclase feldspar and potassium feldspar with minor biotite, 1-10cm thick, are intermixed with the mafic sections. Siliceous bands 1-2cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Rock is magnetic likley due to Po.	2	10		0.5
101.2	104.7	Biotite Garnet Amphibole Gneiss	grey	medium-coarse grained	well foliated	Biotite garnet and amphibole in a fine-grained groundmass of quartz. Similar to garnet amphibolite but this unit has a quartz matrix. Patchy siliceous areas with light green alteration. Local variation in the amphibole content. Local amphibole-rich bands 0.5-10cm thick. 1-5cm thick bands and clots of coarse-grained quartz and feldspar with coarse-grained biotite concentrated around them. Local deformed quartz veins with pinch and swell contacts. Sulphides commonly concentrated in/around these felsic areas.	7	7	0.25	0.25
104.7	105.3	Amphibolite	Dark Green	Medium Grained	Massive	Amphibolite with a fine-grained groundmass of plagiclase feldspar, minor quartz and potassium feldspar. Garnets are concentrated in the upper 30cm. Local 0.2-0.5cm thick band of coarse-grained quartz and potassium feldspar. Unit is stronly magnetic 1-2% magnetite present.	1	2		0.25
105.3	106.1	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts. Coarse-grained biotite concentrated within 10cm of contacts.	5		0.25	

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
106.1	107.4	Amphibolite	Dark Green	Medium Grained	Banded	Amphibolite unit with weak banding and foliation. Fold preserved - banding changes from 40degrees up hole to 40degrees downhole with a coarse-grained clot of quartz, plagioclase and potassium feldspars present where the directions of banding change - the fold nose. Sulphides are concentrated in this fold nose clot.	1		0.25	
107.4	108.1	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Pegmatite with sharp, irregular contacts. Coarse-grained biotite concentrated within 10cm of contacts.	5		0.25	
108.1	134.5	Biotite Amphibole Gneiss	green, pink, white	Medium-coarse grained	Banded	Biotite amphibole gneiss with medium-grained amphible and biotite in a medium-grained felsic matix of quartz and potassium feldspar. Granular and recrystallized. Regular bands of 80-90% amphibole and minor biotite 1-5cm thick. Regular felsic bands of quartz and feldspar 1-10cm thick. Dark green alteration from 119-119.6m - moderately magnetic. Quartz vein from 129.2-129.3m. Unit is highly strained from 129-133m - strong foliation. Local blebs of magnetite throughout unit causing local magnetism.	10		0.25	
134.5	135.5	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with sharp contacts. Quartz/carbonate veinlets throughout. Xenoliths of the biotite amphibole gneiss that is being intruded. Strongly magnetic.	2			
135.5	165.1	Biotite Amphibole Gneiss	green, pink, white	Medium-coarse grained	Banded	Biotite amphibole gneiss with medium-grained amphibole and biotite in a medium-grained felsic matix of quartz and potassium feldspar. Granular and recrystallized. Regular bands of 80-90% amphibole and minor biotite 1-15cm thick. Regular felsic bands of quartz and feldspar 1-10cm thick. Local blebs of magnetite throughout unit as well as magnetite within mafic bands causing local magnetism.	10		0.25	0.25
165.1	175.5	Felsic Gneiss (S)	white, grey, pink	Coarse Grained	Weakly Foliated	Coarse-grained, re-crystallized, felsic gneiss (granulite facies) composed of predominantly quartz and potassium feldspar. Foliation defined by biotite and amphibole. Local variation in the amphibole content. Amphibole also present as very coarse-grained crystals in/at contacts to pegmatite sections. Local irregular sections of foliation - folding. Quartz/carbonate veins with potassic alteration halos. UM/LAMP dike 173.8-173.9m - magnetic.	10		0.25	
175.5	176.6	Garnet Amphibolite	dark green, red	Medium Grained	Massive	Garnet amphibolite is relatively massive and composed predominantly of mafic amphibole with trace biotite. Felsic clots of quartz, plagioclase feldspar and potassium feldspar with minor biotite, 1-10cm thick, are intermixed with the mafic sections. Siliceous patches 1-2cm are also present with a patchy, light-green alteration. Sulphides and garnets are distributed throughout but are typically present in higher concentrations in/at contacts to siliceous zones. Rock is magnetic likley due to Po which is concentrated in the upper 30cm.	3	5	0.25	0.25
176.6	177.2	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM/LAMP dike with small 0.1-0.3cm xenoliths throughout. Quartz/carbonate veinlets throughout. Magnetic.	3			
177.2	179.0	Amphibolite	Dark Green	Medium Grained	Massive-weakly	Massive Amphibolite unit with minor biotite and plagioclase. Local felsic bands 0.5-1cm thick of coarse-grained quartz and potassium feldspar. Locally magnetic.	2	1		0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
179.0	186.1	Felsic Gneiss (S)	white, grey, pink	Medium-coarse grained	Well Foliated	Medium- to coarse-grained, re-crystallized, felsic gneiss (granulite facies) composed of predominantly quartz and potassium feldspar. Foliation defined by biotite and amphibole. Local bands 0.5-5cm thick of coarse-grained quartz and potassium feldspar. Sulphides typically concentrated in/at contacts to felsic bands. Local variation in the amphibole content. Local 5cm thick bands of amphibolite. Amphibole also present as very coarse-grained crystals in/at contacts to pegmatite sections. Quartz/carbonate veins with potassic alteration halos as well as bleaching halos.	15		0.5	
186.1	188.4	Amphibolite	Dark Green	Medium Grained	Massive	Massive amphibolite unit with minor biotite and plagioclase. Local felsic bands and clots 0.5-5cm thick of coarse-grained quartz and potassium feldspar. Intermixed sections of felsic gneiss 10-20cm thick. Sulphides concentrated at contacts to felsic bands.	2	1	0.25	
188.4	200.9	Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately foliated	Siliceous felsic gneiss with minor biotite and garnets. Pegmatite veins 3-15cm thick. Quartz veins 2-5cm thick - both fresh, white quartz as well as grey, deformed quartz veins present. Sulphides typically concentrated in/at contacts to quartz and pegmatite veins. Thin, magnetic UM dikes 0.5-1cm thick - weakly magnetic. Quartz/carbonate veinlets with bleached alteration halos. 199.6-199.8m net-textured band of Po and minor Py 2cm thick. Blebby sulphides present for 10cm on either side of the net-textured band. Sulphides up to 5% from 199.6-199.8m. 200.8-200.9 - 3% sulphides - both Po and Py present.	5	3	0.5	1
200.9	201.9	Felsic Gneiss (S)	White	Medium-coarse grained	Massive-weakly foliated	Medium- to coarse-grained felsic gneiss with amphibole distributed throughout a matrix of quartz and feldspars. Local variation in the amphibole content. Local bands and clots of coarse-grained quartz and minor feldspars 0.5-3cm thick. Sulphides disseminated throughout unit and present as blebs in/at contacts to coarse-grained felsic zones.	5	0.5	0.25	1
201.9	203.4	Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately foliated	Siliceous felsic gneiss with coarse-grained felsic clots in the upper 25cm of the unit. Sulphides disseminated throughout. Up to 5% blebby sulphides from 203.2-203.3m, predominantly Po with minor Py - magnetic. Quartz/carbonate veinlets with bleached alteration halos.	5		0.5	2
203.4	204.3	Felsic Gneiss (S)	White	Medium-coarse grained	Massive-weakly foliated	Medium- to coarse-grained felsic gneiss with amphibole distributed throughout a matrix of quartz and feldspars. Local variation in the amphibole content. Local bands and clots of coarse-grained quartz and minor feldspars 0.5-3cm thick. Local bands of up to 80-90% amphibole. Minor chlorite throughout the unit. Sulphides disseminated throughout unit and present as blebs in/at contacts to coarse-grained felsic zones.	5	0.5	0.5	0.5
204.3	206.4	Felsic Gneiss (S)	White	Medium-coarse grained	Massive-weakly foliated	Medium- to coarse-grained felsic gneiss with minor amphibole present in the upper 40cm of the unit. Local bands and clots of coarse-grained quartz and minor feldspars 0.5-5cm thick. Sulphides concentrated within 10cm of upper and lower contacts.	5	0.5	0.5	0.5
206.4	209.0	Felsic Gneiss (S)	White, green	Medium Grained	Massive-weakly foliated	Medium- to coarse-grained felsic gneiss with amphibole distributed throughout a matrix of quartz and feldspars. Local variation in the amphibole content. Local bands and clots of coarse-grained quartz and minor feldspars 0.5-3cm thick. Sulphides disseminated throughout unit and present as blebs in/at contacts to coarse-grained felsic zones - magnetic.	5	3	0.5	1.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
209.0	246.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately foliated	Felsic gneiss with biotite and garnets in a matrix of quartz and minor feldspars. Pegmatite sections 1-20cm thick. Quartz veins 0.5-5cm thick - both fresh, white quartz as well as grey, deformed quartz veins present. Regular felsic bands 0.5-1cm thick deistributed every 2-10cm throuhgout unit. Felsic bands can have pinch and swell contacts. Sulphides typically concentrated in/at contacts to felsic clots and bands. In some locations, sulphides are infilling fractures. Quartz/carbonate veinlets with bleached alteration halos. Pegmatite from 215.7-215.9m with 2-3% blebby sulphides. 216.5-216.6m with 5-6% sulphides. 240-240.2m - 10% chlorite (?). 244.3-244.4m with net-textured sulphides up to 15%. Core is locally magnetic where Po content increases. Unit becomes more siliceous within the basal 4m.	15	3	0.5	1.5
246.1	252.4	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Well Foliated	Coarse-grained, recrystallized felsic gneiss. Local variation in the amphibole content. Local bands and clots of coarse-grained quartz and feldspar. Sulphides disseminated throughout unit but typically present as blebs in/at contacts to coarse-grained felsic zones.	15		0.25	
252.4	261.0	Felsic Gneiss (S)	White, green	Medium Grained	Massive-weakly foliated	Medium- to coarse-grained felsic gneiss with biotite, garnet and amphibole distributed throughout a matrix of quartz and feldspars. Local variation in the amphibole content. Local bands and clots of coarse-grained quartz and minor feldspars 0.5-3cm thick. Quartz veins 0.5-3cm thick. Sulphides disseminated throughout unit and present as blebs in/at contacts to coarse-grained felsic zones. Core is locally magnetic where Po is present in higher concentrations. EOH	5	1	0.75	0.25

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Diamond Drilling Log

Hole No	Page No
DDH. EL14-08	1 of 3

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	379	150	357	Collar 60	Chapleau Ont	Pinogami Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	377520
27/11/2014	03/12/2014	Nov 27-Dec 3, 2014	Breanne Beh	(m)	degrees		Northing	5328556
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	10.2	Casing								
10.2	145.9	Felsic Gneiss (S)	Grey	Very Fine Grained	Well Foliated	Very fine-grained felsic gneiss unit that is highly sheared. Amphibole present throughout the unit. Mylonitic texture is present throughout the unit. Local mafic bands of amphibolite (?) 2-10cm thick, however the unit is so highly deformed that contacts are extremely difficult to pick out. Overall, the unit has a dark appearance that is likely due to grain-size reduction. Quartz veins 1-5cm thick present that can have disseminated to blebby sulphides in/at contacts. Disseminated sulphides present parallel to foliation from 123.3-124.2m - both Po and Py - weakly magnetic. Local zones of brecciation 5-200cm thick. Local quartz/carbonate veinlets with potassic alteration halos.	5	0.5	0.15	0.1
145.9	157.6	Felsic Gneiss (S)	Grey	Very Fine Grained	Well Foliated	Very fine-grained felsic gneiss with biotite and garnets present throughout the unit. Local variation in the amount of amphibole present. The amphibole is typically concentrated in bands 5-15cm thick and is also highly deformed and sheared. Trace disseminated py present parallel to foliation. Quartz/carbonate veinlets with bleached alteration halos.. Quartz veins 0.3-2cm thick parallel to foliation. Basal 60cm is highly altered approaching the contact with the underlying amphibolite unit.	10	5	0.25	
157.6	165.7	Amphibolite	dark green and grey	Very Fine Grained	Well Foliated	Very fine-grained amphibolite unit with deformed, grey quartz veins throughout. Alteration, bleaching and minor brecciation typically associated with quartz veins. Po is present as bands or veins 0.5-2cm thick parallel to foliation. Po is also present along fractures in brecciated sections, as stringers parallel to foliation, as blebs associated with the deformed quartz veins and as massive veins 5-10cm thick. Brecciated clasts 0.2-0.7cm in diameter are present within the massive cpy veins. Chalcopyrite and pyrite are typically present as disseminated sulphides or as stringers parallel to foliation. Unit is strongly magnetic.	2	0.25	0.75	5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
165.7	180.0	Felsic Gneiss (S)	Grey	Very Fine Grained	Well Foliated	Very fine-grained felsic gneiss unit that is highly sheared. Amphibole present throughout the unit. Mylonitic texture is present throughout the unit. Local amphibole-rich bands 1-5cm thick. Overall, the unit has a dark appearance that is likely due to grain-size reduction. Quartz veins 1-2cm thick present that can have disseminated to blebby sulphides in/at contacts. Local quartz/carbonate veinlets with bleached alteration halos. Gradational lower contact as amphibole-rich bands become more common.	5	0.5	0.15	0.1
180.0	217.6	Amphibolite	dark geen and grey	Very Fine-fine grained	Well Foliated	Very fine-grained amphibolite unit that is highly sheared and deformed. Mylonitic texture is pervasive. Gradational upper contact. Local bands with a felsic groundmass with amphiboles distributed throughout. Boudins of amphibole-rich layers present - amphibole is more competent with the felsic-rich layers deforming ductilely around it. Quartz vein present from 181.6-181.9m with sharp contacts cross-cutting foliation. Quartz/carbonate veinlets throughout. Disseminated sulphides present parallel to foliation.	2		0.25	0.25
217.6	218.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Foliated	Felsic gneiss (S) with biotite and minor amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Sulphides are alligned parallel to foliation as thin stringers. Quartz/carbonate veinlets throughout. Gradational upper contact.	15		1	1.5
218.2	218.7	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with quartz/carbonate veinlets throughout. Dyke is not magnetic. Sharp upper and lower contacts with minor fault gouge.	3			
218.7	220.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Felsic gneiss (S) with biotite and minor amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Sulphides are alligned parallel to foliation as thin stringers. Quartz/carbonate veinlets throughout. Unit is locally magnetic where Po is present in higher concentrations. Quartz vein from 220.3-220.4m.	15		0.5	1.5
220.9	246.5	Amphibolite	dark geen and grey	Very Fine-fine grained	Well Foliated	Very fine- to fine-grained amphibolite unit that is highly strained and deformed. Patches of Mylonitic texture present. Gradational upper and lower contacts with a progressive increase and decrease respectively of the amphibole content. Local bands with a felsic groundmass with amphiboles distributed throughout. Boudins of amphibole-rich layers present - amphibole is more competent with the felsic-rich layers deforming ductilely around it. Quartz and blebs of Po present in the boudin necks. White coloured quartz veins 1-5cm thick with contacts parallel to foliation. Quartz/carbonate veinlets throughout. Disseminated sulphides present parallel to foliation.	2		0.1	0.25
246.5	266.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	A high strain felsic gneiss (S) unit with biotite and amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Regular bands 2-15cm thick that have a milky, feldspar-rich matrix with highly strained amphibole crystals defining foliation. Where present sulphides are alligned parallel to foliation as thin stringers. Quartz/carbonate veinlets throughout with bleached alteration halos.	15			0.25
266.8	267.4	Amphibolite	dark greey	Very Fine Grained	Well Foliated	Very fine-grained amphibolite unit. Sharp upper and lower contacts parallel to foliation. 0.5-5cm thick quartz veins at basal contact.	3			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
267.4	274.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	A high strain felsic gneiss (S) unit with biotite and amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Regular bands 2-15cm thick that have a milky, feldspar-rich matrix with highly strained amphibole crystals defining foliation. Where present sulphides are alligned parallel to foliation as thin stringers. Quartz/carbonate veinlets throughout with bleached alteration halos. Local 5cm thick diabase dykes cross-cutting foliation within the basal 1m of the unit.	15			0.25
274.6	291.9	Diabase Dike	Dark Grey	Fine Grained	Massive	Massive diabase dyke with sharp contacts. Unit is magnetic. Local quartz/carbonate veinlets cross-cutting the unit. 1cm thick UM dyke cross-cutting diabase.				
291.9	294.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	A high strain felsic gneiss (S) unit with biotite and amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Regular bands 2-25cm thick that have a milky, feldspar-rich matrix with highly strained amphibole crystals defining foliation. Quartz/carbonate veinlets throughout with bleached alteration halos.	10		0.25	
294.3	294.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with 0.1-0.5cm xenoliths. Quartz/carbonate spider veinlets present. Sharp upper and lower contacts. Unit is magnetic.	3			
294.9	309.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	A high strain felsic gneiss (S) unit with biotite and amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Regular bands 2-25cm thick that have a milky, feldspar-rich matrix with highly strained amphibole crystals defining foliation. Quartz/carbonate veinlets throughout with bleached alteration halos. Local quartz veins 0.5-2cm thick. UM dyke cross-cutting unit from 298.9-299.1m.	10		0.25	
309.8	310.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with sharp contacts. 0.1-0.5cm diameter xenoliths present. Quartz/carbonate spider veinlets. Unit is magnetic.	3			
310.9	357.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	A high strain felsic gneiss (S) unit with biotite and amphibole distributed throughout. Foliation is defined by the biotite and amphibole. Regular bands 2-25cm thick that have a milky, feldspar-rich matrix with highly strained amphibole crystals defining foliation. Amphibole-rich bands 2-10cm thick. Quartz/carbonate veinlets throughout with bleached alteration halos. Local quartz veins 0.5-2cm thick - some are deformed and show evidence of boudinage. Deformation and potassic alteration from 332.1-332.4m. Quartz vein with disseminated Py from 342.2-342.3m. Amphibolite from 345.3-345.7m. EOH	10	2	0.25	

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Diamond Drilling Log

Hole No DDH. EL14-09

Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	385	150	252	Collar 50	Chapleau Ont	Pinogami Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	377634
03/12/2014	05/12/2014	Dec 3-5, 2014	Breanne Beh	(m)	degrees		Northing	5328169
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.5	Casing								
13.5	41.0	Felsic Gneiss (S)	Grey and Green	Very Fine-fine grained	Banded	A high strain, very fine- to fine-grained felsic gneiss (S) unit with amphibole and minor biotite distributed throughout. The unit has a dark grey appearance. Foliation is defined by the biotite and amphibole. Regular amphibolite bands 0.5-3cm thick. The garnets can be deformed or elongate and are concentrated in the amphibolite bands. Local quartz veins 2-5cm thick with weak chloritic alteration associated with them. Sulphides are typically present as thin stringers parallel to foliation. Minor disseminated sulphides. Intermixed possible intermediate intrusive sections 10-90cm thick from 19.9-25.6m that are well foliated, fine- to medium-grained and have sharp contacts. Local quartz/carbonate spider veinlets. Gradational lower contact with a progressive increase in the number of amphibolite bands. Unit is locally magnetic.	5	4	0.25	0.25
41.0	46.9	Garnet Amphibolite Gneiss	grey and dark green	Very Fine-fine grained	Banded	High strain, very fine- to fine-grained amphibolite intermixed with dark grey, very fine-grained bands of felsic gneiss 0.5-3cm thick. Gradational upper and lower contacts with a progressive increase and decrease respectively in the proportion of amphibolite bands. Garnets measure 0.1-0.6cm in diameter and are confined predominantly to the amphibolite bands. Local quartz veins 0.5-1.5cm thick. Boudinage of an amphibolite band with quartz wrapping ductilely around it. Sulphides are present moreso in the amphibolite bands. Core is locally magnetic.	2	10		0.5

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
46.9	97.2	Felsic Gneiss (S)	Grey and Green	Very Fine Grained	Banded	A high strain, very fine-grained felsic gneiss (S) unit with amphibole and minor biotite distributed throughout. The unit has a dark grey appearance. Foliation is defined by the biotite and amphibole. Regular amphibolite bands 0.5-3cm thick that can also have plagioclase feldspar present in them. There is local variability in the proportion of amphibolite bands to felsic bands. The garnets can be deformed or elongate and are concentrated in the amphibolite bands. Local quartz veins 2-5cm thick with weak chloritic alteration and minor muscovite associated with them. Sulphides can be present as thin discontinuous stringers parallel to foliation or as small blebs at contacts to quartz veins. UM from 81.8-82m.	5	4	0.1	0.15
97.2	98.0	Amphibolite	Dark Green	Very Fine Grained	Moderately - well Foliated	Very fine-grained amphibolite unit with deformed quartz veins 0.5-3cm thick. Local clots of coarse-grained quartz and feldspar. Sulphides present as blebs in/at contacts to quartz veins.	1		0.25	
98.0	120.3	Felsic Gneiss (S)	Grey and Green	Very Fine Grained	Banded	A high strain, very fine-grained felsic gneiss (S) unit with amphibole and minor biotite distributed throughout. The unit has a dark grey appearance. Foliation is defined by the biotite and amphibole. Regular amphibolite bands 0.5-3cm thick that can also have plagioclase feldspar present in them. There is local variability in the proportion of amphibolite bands to felsic bands. The garnets can be deformed or elongate and are concentrated in the amphibolite bands. Local quartz veins 2-5cm thick. Sulphides can be present as thin discontinuous stringers parallel to foliation or as small blebs at contacts to quartz veins. 10% sulphides concentrated in the basal 40cm at the contact to the underlying ultramafic unit. Amphibolite from 99.4-99.8m. Quartz veins from 105.7-106m, 105.2-105.3m, 115.4-115.6m. UM dyke from 113.1-113.8m, 110.9-111.2m.	5	4	0.5	0.5
120.3	158.5	Ultramafic	Dark Green/Grey	Fine Grained	Moderately - well Foliated	Very fine-grained ultramafic unit with pervasive chloritic alteration. Local clots of coarse-grained quartz and feldspar in the upper 40cm. Sulphides concentrated in the upper 40cm of the unit and typically present as blebs in/at contacts to felsic clots. Elsewhere in the unit the sulphides are present parallel to foliation. Appears to be local variation in terms of felsic and mafic mineral content but the unit is so fine-grained and altered it is not possible to identify contacts. Magnetite present in the basal 3m. Gradational lower contact marks a progressive increase in magnetite within the same ultramafic unit.			0.25	0.75
158.5	245.3	Ultramafic	Dark Green/Grey	Fine Grained	Massive-weakly foliated	Very fine-grained ultramafic unit with pervasive chloritic alteration. Regular magnetite clots, 0.3-3cm in diameter, throughout the unit that in some localized cases have dark reaction rims 0.1-0.3cm thick. Magnetite clots can be deformed and elongate forming localized weak banding. Py where present is in-filling vugs, minor disseminated Po. There appears to be local variation in terms of felsic and mafic mineral content but the unit is so fine-grained and altered it is not possible to identify contacts. The upper gradtional contact marks a progressive increase in the magnetite content within the same ultramafic unit. Intense chloritic altertation from 228.7-230m.	1		0.15	0.1
245.3	246.3	UM\LAMP Dike	black	Very Fine Grained	Massive	UM dyke with small xenoliths 0.2-0.5cm in diameter. Quartz/carbonate veinlets throughout.	3			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
246.3	252.0	Ultramafic	Dark Green/Grey	Fine Grained	Massive-weakly foliated	Very fine-grained ultramafic unit with pervasive chloritic alteration. Regular magnetite clots, 0.3-3cm in diameter, throughout the unit that in some localized cases have dark reaction rims 0.1-0.3cm thick. Magnetite clots can be deformed and elongate forming localized weak banding. EOH	1			

PROBE MINES LIMITED

Diamond Drilling Log

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Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	385	150	327	Collar 55	Chapleau Ont	Pinogami Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	376400
06/12/2014	10/12/2014	Dec 6-10, 2014	Breanne Beh	(m)	degrees		Northing	5327504
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	37.4	Casing								
37.4	43.6	Felsic Gneiss (S)	Dark Grey	Very Fine-fine grained	Well Foliated	Fine- to very fine-grained, high strain felsic gneiss unit. Local intermixed amphibolite sections but the unit is highly strained and the contacts are not identifiable. Quartz/carbonate veinlets throughout.	15		0.25	
43.6	44.7	UM\LAMP Dike	light green	Medium Grained	Massive	Lamprophyric dyke with sharp contacts. Quartz/carbonate veinlets throughout. Abundant broken core.	5			
44.7	49.2	Felsic Gneiss (S)	Dark Grey	Very Fine-fine grained	Well Foliated	Fine- to very fine-grained, high strain felsic gneiss unit. Local intermixed amphibolite sections but the unit is highly strained and the contacts are not identifiable. Lamprophyric dykes 10-25cm thick located at 46m and 47m cross-cutting the unit causing localized alteration - biotite-rich halos typically present on edges of dykes.	15		0.25	
49.2	51.4	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-grained amphibolite unit. Sulphides concentrated along the fractures. Irregular-shaped clots and deformed quartz veins 0.5-1cm thick.			0.25	
51.4	52.9	Felsic Gneiss (S)	Dark Grey	Very Fine-fine grained	Well Foliated	Fine- to very fine-grained, high strain felsic gneiss unit. Local intermixed amphibolite sections 5-10cm thick but the unit is highly strained and the contacts are not identifiable.	15	0.5	0.25	
52.9	62.8	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Pegmatite unit with salvages of the felsic gneiss unit that has been intruded. Quartz vein from 58.5-58.7m.	5			
62.8	91.5	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Fine-grained felsic gneiss unit with 2% garnet. Local bands of garnet biotite gneiss 5-10cm thick with up to 40-50% biotite. Where present, sulphides are alligned parallel to foliation. Core is locally magnetic where there is more Po. Quartz/carbonate veinlets throughout. Quartz veins 0.5-1cm thick that can have sulphides present within them - high concentration of veins from 87.8m to 88.2m.	15	2	0.25	0.25

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
91.5	99.1	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-grained amphibolite unit. Sulphides present parallel to foliation throughout the unit. The whole unit is weakly magnetic. From 96.4-96.9m there is a sulphide-rich zone with up to 15% po, 0.25% cpy and trace py - highly magnetic.			0.5	5
99.1	101.1	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Foliated	Medium-grained garnet biotite felsic gneiss unit with 2% garnet and local sections with up to 40-50% biotite. Intermixed sections of felsic gneiss where the biotite content is lower, 10-15%, and the siliceous groundmass is predominant. Where present, sulphides are alligned parallel to foliation. Local sulphide veins 0.1-0.2cm thick. Core is locally magnetic where there is more Po.	20	2	0.25	0.25
101.1	101.7	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-grained amphibolite unit. Sulphides present as thin stringers parallel to foliation throughout the unit. The whole unit is weakly magnetic.			0.25	0.5
101.7	128.4	Garnet Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Moderately Foliated	Medium- to coarse-grained garnet biotite felsic gneiss unit with 5% garnet and local sections with up to 40-50% biotite. A possible low strain zone adjacent to high strain units. Intermixed sections of felsic gneiss where the biotite content is lower, 10-15%, and the siliceous groundmass is predominant. Local quartz clots and deformed veins 1-10cm thick. Where present, sulphides are alligned parallel to foliation. Local sulphide veins 0.1-0.2cm thick. Sulphides present up to 3% in biotite-rich bands. Core is locally magnetic where there is more Po. Garnets measure 0.2-1.2cm in diameter. Amphibolite from 108.3-108.5m. At 114m there is a 3cm thick section of the core that is dry and flaking with the feel of soapstone - possible shear or fault?	20	5	0.5	0.75
128.4	130.2	UM\LAMP Dike	Dark Grey	Fine Grained	Massive	UM dyke causing moderate alteration in adjacent units. Local salvages of the felsic unit that was being intruded. Sharp contacts.				
130.2	136.4	Garnet Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Moderately Foliated	Medium- to coarse-grained garnet biotite felsic gneiss unit with 5% garnet and local sections with up to 40-50% biotite. A possible low strain zone adjacent to high strain units. Intermixed sections of felsic gneiss where the biotite content is lower, 10-15%, and the siliceous groundmass is predominant. Local quartz clots and deformed veins 1-10cm thick. Where present, sulphides are alligned parallel to foliation. Local sulphide veins 0.1-0.2cm thick. Sulphides present up to 3% in biotite-rich bands. Core is locally magnetic where there is more Po. Garnets measure 0.2-1.2cm in diameter.	20	5	0.25	
136.4	138.2	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Brecciated pegmatite with grey/white quartz infilling between the sections of coarse-grained feldspars. Sharp, irregular contacts.	3		0.25	
138.2	143.2	Garnet Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Moderately Foliated	Medium- to coarse-grained garnet biotite felsic gneiss unit with 5% garnet and local sections with up to 40-50% biotite. A possible low strain zone adjacent to high strain units. Intermixed sections of felsic gneiss where the biotite content is lower, 10-15%, and the siliceous groundmass is predominant. Local quartz clots and deformed veins 1-10cm thick. Where present, sulphides are alligned parallel to foliation. Local sulphide veins 0.1-0.2cm thick. Sulphides present up to 3% in biotite-rich bands. Core is locally magnetic where there is more Po. Garnets measure 0.2-1.2cm in diameter.	20	5	0.5	0.5
143.2	149.0	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Brecciated pegmatite with grey/white quartz infilling between the sections of coarse-grained feldspars. Sharp, irregular contacts.	3		0.15	0.1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
149.0	164.5	Biotite Felsic Gneiss	Grey	Medium Grained	Moderately - well Foliated	Biotite felsic gneiss with local sections up to 60% biotite. Unit is moderately- to well-foliated with crenulations that are common in the biotite-rich sections. Sulphides commonly present as streaks alligned parallel to foliation or present as blebs in biotite-rich zones. Abundant broken core in biotite-rich areas. Thin dykes at basal contact causing alteration?	35		1	0.5
164.5	167.9	Felsic Gneiss (S)	Grey	Very Fine Grained	Well Foliated	Very fine-grained felsic gneiss with moderate chloritic alteration. Unit is highly strained. Dykes within upper 50cm of the unit are causing substantial alteration. Where present, sulphides are present parallel to foliation.	2		0.5	0.25
167.9	183.8	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-grained amphibolite unit with intermixed sections of dark grey, fine-grained felsic gneiss. Sulphides are alligned parallel to foliation as thin stringers throughout the high strain unit. Quartz veins 0.5-1cm thick present. Boudinage of one, 0.5cm thick, quartz vein where sulphides are present within the boudin neck. Core is locally magnetic where Po is present in higher concentrations. Magnetite clots and veins up to 1.5cm in diameter present from 174.8-176.2m. Local biotite-rich bands. Quartz veins from 178.6-178.8m, 183.2-183.3m and 182.6-182.7m. Local shear/fault zones with broken core and associated alteration.	3		0.5	0.5
183.8	190.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine-grained felsic gneiss unit with local sections of biotite felsic gneiss 2-60cm thick. There is approximately 20-30% muscovite from 187.3-187.8m - sericitic alteration (?). Local bands of amphibolite 5-20cm thick with sharp contacts parallel to foliation. Sulphides present as blebs along what appears to be annealed fracture zones.	10		0.25	0.15
190.1	197.5	Amphibolite	Green	Fine-medium grained	Well Foliated	Highly altered amphibolite with possible chloritic alteration overprinting the unit. Amphibole defines foliation. Local bands of up to 60% biotite that are 2-20cm thick - alteration? From 193.1-193.5m there is a section of bright green core - actinolite(?). UM dyke from 190.4-190.7m. Where present, sulphides are found along fracture planes.	10		0.25	
197.5	214.6	Felsic Gneiss (S)	Grey	Very Fine-fine grained	Well Foliated	Fine-grained felsic gneiss unit with local sulphide-rich, siliceous zones. Biotite-rich zones, 5-60cm thick, with up to 35% biotite. Possible sericitic alteration from 201.4-202.2m and 208.2-210.7m. Sulphides commonly present as thin veins or streaks parallel to foliation. Sulphides are concentrated in biotite-rich sections, along fracture planes and in siliceous sections such as the basal 1m of the unit where there is up to 2.5% sulphides.	10		0.75	0.5
214.6	219.9	Amphibolite	dark green	Very Fine-fine grained	Well Foliated	Fine-grained amphibolite with possible chloritic alteration overprinting the unit. Unit is high strain with a very well defined foliation. Where present, sulphides are alligned parallel to foliation.	2			0.5
219.9	234.6	Ultramafic	dark green/black	Medium-coarse grained	Moderately Foliated	Medium- to coarse-grained ultramafic unit with elongate, deformed clots and veins of magnetite 0.5-1.5cm thick. Highly magnetic. Gradational lower contact with the underlying amphibolite unit.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
234.6	293.0	Amphibolite	dark green	Very Fine-fine grained	Well Foliated	Fine-grained amphibolite with possible chloritic alteration overprinting the unit. Unit is high strain with a very well defined foliation. Where present, sulphides are alligned parallel to foliation. The upper 5m of the unit contains the majority of the Po with a smaller section from 261.2-261.5m. Deformed, elongate magnetite clots 0.5-1cm in diameter are present from 287.1-287.8m. Unit is locally magnetic where magnetite or Po are present.	2			0.5
293.0	293.5	UM\LAMP Dike	Black	Fine Grained	Massive	UM dyke with small xenoliths 0.1-0.3cm in diameter. Sharp upper and lower contacts. Magnetic.	2			
293.5	305.2	Amphibolite	dark green	Very Fine-fine grained	Well Foliated	Fine-grained amphibolite with possible chloritic alteration overprinting the unit. Unit is high strain with a very well defined foliation. Where present, sulphides are alligned parallel to foliation. Deformed, elongate magnetite clots 0.5-1cm in diameter are present from 297.7-299.1m and 300.3-301.5m. Unit is locally magnetic where magnetite is present. Basal 1m is brecciated.	2			
305.2	305.7	UM\LAMP Dike	Black	Fine Grained	Massive	UM dyke with small xenoliths 0.1-0.3cm in diameter. Sharp upper and lower contacts. Not magnetic.	3			
305.7	316.7	Biotite Felsic Gneiss	Light Grey	Coarse Grained	Moderately Foliated	Biotite felsic gneiss with coarse-grained clots of quartz that compose roughly 20-30% of the unit. The biotite is commonly wrapping around the quartz clots. Upper 2m of the unit has substantial alteration associated with the adjacent UM dyke. Local bands of amphibolite 15-20cm thick.	30			0.15
316.7	317.6	Amphibolite	Dark Green	Fine-medium	Well Foliated	Fine- to medium-grained amphibolite with local bands of plagioclase and minor quartz that measure 0.2-1cm thick. Local variation in the plagioclase and biotite content.	3			0.15
317.6	319.7	Biotite Felsic Gneiss	Light Grey	Coarse Grained	Moderately Foliated	Biotite felsic gneiss with coarse-grained clots of quartz or bands up to 15cm thick that compose roughly 20-30% of the unit. The biotite is commonly wrapping around the quartz clots. The basal 0.5m of the unit has substantial blue alteration associated with the adjacent UM dyke.	30			0.15
319.7	320.3	UM\LAMP Dike	Black	Fine Grained	Massive	UM dyke with small xenoliths 0.1-0.3cm in diameter. Sharp upper and lower contacts. Not magnetic.	3			
320.3	322.3	Garnet Biotite Felsic Gneiss	white, black	Medium Grained	Banded	Garnet biotite felsic gneiss with quartz bands of quartz 1-5cm thick.	25	2	0.15	
322.3	327.0	Felsic Gneiss (S)	light grey and pink	Coarse Grained	Weakly-moderately foliated	Felsic gneiss unit with pegmatite clots of coarse-grained quartz and potassium feldspar 2-20cm thick. Unit appears to have pegmatite-like melts that are being generated from it. Local bands of quartz 1-10cm thick. One 10cm thick quartz vein at 323.2m with blebby sulphides present within it. Where present sulphides are associated with the coarse-grained, chaotic biotite that is present in/at contacts to the melt clots. EOH.	10		0.25	0.25

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Diamond Drilling Log

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Drilling Company	Core Size	Collar Elevation (m)	Bearing of Hole from true North	Total Depth (m)	Dip of Hole At	Location where core stored	Location of DDH (TWP, Lot, Con, LatLong)
Major Drilling	NQ	376	150	300	Collar 50	Chapleau Ont	Pinogami Township

Date Hole Started	Date Completed	Date Logged	Logged By			Property Name	Easting	376081
11/12/2014	14/12/2014	Dec 11-14, 2014	Breanne Beh	(m)	degrees		Northing	5327456
				(m)	degrees		Datum	NAD 83
Exploration Co., Owner or Optionee				(m)	degrees	East Limb	Zone	17
Probe Mines Limited				(m)	degrees			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	32.0	Casing								
32.0	44.5	UM\LAMP Dike	Black	Fine Grained	Massive	UM dyke with small xenoliths throughout. Abundant fractures and quartz/carbonate veinlets. Basal 1m of the unit is highly altered and broken - fault(?). Unit is magnetic.	3			
44.5	90.5	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Weakly-moderately foliated	Medium-grained garnet biotite felsic gneiss biotite and garnet in a very fine-grained felsic groundmass with pervasive alteration. Muscovite or sericite is present throughout the unit and is likely alteration. The unit is weakly to moderately foliated and is rather chaotic in some sections, indicating low- to moderate-strain. Local areas with crenulations preserved in the micas. Garnets range from 0.2-1cm in diameter. Disseminated Py.	25	3	0.25	
90.5	92.5	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke cross-cutting the garnet biotite felsic gneiss unit. Local small xenoliths 0.2-0.5cm in diameter. Quartz/carbonate spider veinlets thoughout.	2			
92.5	128.8	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Weakly-moderately foliated	Medium-grained garnet biotite felsic gneiss biotite and garnet in a very fine-grained felsic groundmass with pervasive alteration. The unit is weakly to moderately foliated and is rather chaotic in some sections, indicating low- to moderate-strain. Local areas with crenulations preserved in the micas. Garnets range from 0.2-1cm in diameter. Disseminated Py. 5-10cm thick UM dykes from 119.8-119.9m and 127.6-127.7m. Intense talc alteration from 119-120.5m, 127.7-128.8m - alteration halos of UM dykes. From 121-123.7m and 124.3-125.5m there is a very strong foliation likely denoting the strain associated with the annealed fault zone that the brecciated unit represents that is present from 123.7-124.3m. The breccia is silicified and is likely dominated by quartz or feldspar.	20	3	0.25	
128.8	129.3	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with 50-100cm alteration halos on either side that are dominatly talc.	2			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
129.3	132.0	Biotite Felsic Gneiss	grey, white, pink	Medium-coarse grained	Massive-weakly foliated	Highly altered biotite felsic gneiss. The unit is sandwiched between an UM dyke and a thicker ultramafic unit below it - these two ultramfics are likely the cause for the pervasive alteration. 130.5-131.2m - dominantly feldspar.	25			
132.0	136.6	Ultramafic	Dark Grey, Black	Very Fine-fine grained	Well Foliated	Very fine- to fine-grained ultramafic unit. Magnetite bands define the foliation - high strain, well foliated. All fracture planes in the unit show evidence of talc. Unit is strongly magnetic. Gradational upper and lower contacts. Upper contact masked by alteration.				
136.6	140.0	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-grained, high strain amphibolite unit. Basal 30cm of the unit has a mylonitic texture developed with Po present parallel to foliation. One clot of Po present 0.5x2cm.	2			0.5
140.0	153.2	Ultramafic	Dark Grey, Black	Fine Grained	Massive-weakly foliated	Fine-grained ultramafic unit. Magnetite clots throughout the unit and are weakly defining banding. All fracture planes in the unit show evidence of talc. Unit is strongly magnetic. Gradational lower contact with amphibolite. 147.25-147.4m - reddish-brown alteration associated with a talc vein (sphalerite?). UM dyke from 151.4-151.7m.				0.1
153.2	153.7	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with sharp upper and lower contacts. Small xenoliths 0.1-0.3cm diameter.	2			
153.7	155.0	Ultramafic	Dark Grey, Black	Fine Grained	Massive-weakly foliated	Fine-grained ultramafic unit. Magnetite clots throughout the unit and are weakly defining banding. All fracture planes in the unit show evidence of talc. Unit is strongly magnetic. Gradational lower contact with amphibolite.				
155.0	160.3	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-grained, high strain amphibolite unit. Local clots and deformed veins of quartz. Sulphides typically present parallel to foliation or present as blebs in/at contacts to quartz veins and clots.	2	1	0.25	0.5
160.3	160.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with sharp upper and lower contacts. Small xenoliths 0.1-0.3cm in diameter.	2			
160.9	163.6	Amphibolite	dark grey/dark green	Very Fine Grained	Well Foliated	Very fine-grained, high strain amphibolite unit. Local sections of felsic gneiss up to 30cm thick but contacts are difficult to identify due to strain intensity. Ultramafic with banded magnetite from 162-162.3m. 5cm thick UM dyke at 162m.	3			
163.6	164.6	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with sharp upper and lower contacts. Small xenoliths 0.1-0.3cm in diameter.	2			
164.6	185.7	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Fine-grained, high strain felsic gneiss with local sections of biotite felsic gneiss and amphibolite 10-40cm thick. Sulphides increase from 172-173m, at 176m and at 186.6m and are commonly present as thin stringers alligned parllel to foliation. Local siliceous zones with minor muscovite. Fibrous white amphibole present throughout the unit.	10		0.25	1
185.7	186.2	Biotite Schist	Black	Coarse Grained	Massive	Coarse-grained, chaotic biotite composes the entire unit. Sharp upper and lower contacts with the felsic gneiss.	85			
186.2	190.6	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Fine-grained, high strain, siliceous felsic gneiss with biotite-rich bands 0.1-0.5cm thick. Amphibole-rich layers 0.2-0.5cm thick. Sulphides are commonly present as thin stringers alligned parllel to foliation. Local quartz veins 0.5cm thick.	10			0.5
190.6	191.5	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with xenoliths throughout. One xenolith is of felsic gneiss that has been intruded and it still has Po preserved within it. Sharp upper and lower contacts.	2			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
191.5	200.7	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Fine-grained, high strain, siliceous felsic gneiss with biotite-rich bands 0.1-0.5cm thick. Amphibole-rich layers 0.2-0.5cm thick. Sulphides are commonly present as thin stringers alligned parllel to foliation. Local quartz veins 0.5-1cm thick. Local muscovite and talc-rich bands 5-10cm thick. UM dyke present from 195.7-196m.	10		0.25	1.5
200.7	201.3	Pegmatite	white, pink, green	Very Coarse Grained	Massive	Massive pegmatite unit - appears to be localized melt zones generated from the adjacent felsic gneiss unit. Minor light green feldspar (?) present.	5			
201.3	202.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with salvages of the pegmatite and biotite felsic gneiss that have been intruded. Xenoliths 0.1-0.5cm in diameter.	2			
202.9	203.8	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Foliated	Altered biotite felsic gneiss - dark grey/blue alteration is pervasive. 40% of the unit is composed of a coarse-grained pegmatite melt that is 30cm thick. Biotite is wrapping around the edge of the pegmatite.	30			
203.8	209.3	Pegmatite	white and black	Very Coarse Grained	Massive	Quartz-dominated pegmatite melts with intermixed biotite felsic gneiss sections 2-60cm thick. Biotite is coarse-grained and chaotic or is present wrapping around the edges of the pegmatite clots. Pegmatite veins or melts have been folded and re-folded.	20			
209.3	218.6	Felsic Gneiss (S)	Light Grey	Very Fine-fine grained	Well Foliated	Very fine-grained siliceous felsic gneiss with intermixed sections that are dominated by a white coloured, acicular amphibole, possibly actinolite. Local sections 10-30cm thick that are biotite- or muscovite-rich. In some locations, the foliations are folded. A light grey felsic dyke is present from 216.1-216.2m with sulphides present in the fractures. Where present, sulphides are alligned parallel to foliation.	5			0.1
218.6	223.5	Amphibolite	Dark Green	Medium Grained	Well Foliated	Amphibolite unit with local biotite- or muscovite-rich bands 2-10cm thick. Muscovite-rich zone at 220.5m also has fine-grained, acicular, white-coloured amphibole that could be actinolite. Gradational lower contact. Sulphides alligned parallel to foliation.	5			0.5
223.5	230.9	Felsic Gneiss (S)	Light Grey	Very Fine-fine grained	Well Foliated	Very fine-grained siliceous felsic gneiss with intermixed sections that are dominated by a white coloured, acicular amphibole, possibly actinolite. Local sections 10-30cm thick that are biotite- or muscovite-rich. Where present, sulphides are alligned parallel to foliation. Basal 1m is a biotite-rich section with minor intermixed amphibolite.	5			0.1
230.9	232.4	Pegmatite	White	Very Coarse Grained	Massive	Quartz-dominated pegmatite melts with intermixed biotite felsic gneiss sections 2-10cm thick. Biotite is coarse-grained and chaotic or is present wrapping around the edges of the pegmatite clots. Sulphide blebs are concentrated at contacts to pegmatite sections.	5			0.5
232.4	234.0	Amphibolite	Dark Green	Fine-medium	Well Foliated	Amphibolite unit with the 10-40cm at both the upper and lower contact being biotite felsic gneiss. Sulphides present predominantly in the biotite felsic gneiss sections.	5			0.25
234.0	237.9	Pegmatite	White	Very Coarse Grained	Massive	Quartz-dominated pegmatite melts with intermixed biotite felsic gneiss sections 2-50cm thick. Biotite is coarse-grained and chaotic or is present wrapping around the edges of the pegmatite clots. Sulphide blebs are concentrated at contacts to pegmatite sections.	5			0.25

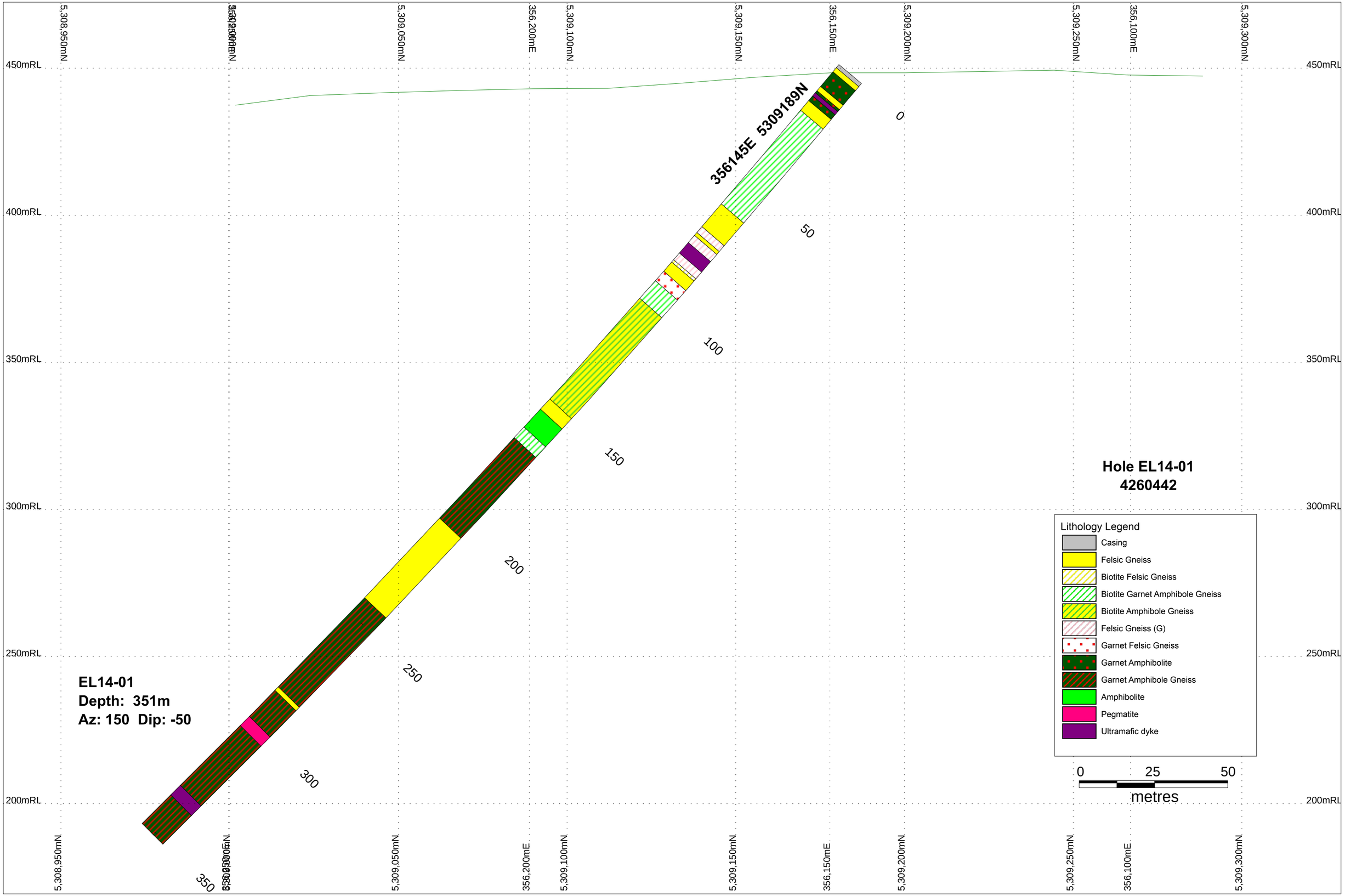
From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
237.9	241.2	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Weakly-moderately foliated	Biotite felsic gneiss qith medium-grained biotite in a fine-grained felsic matrix. Quartz vein from 238-238.2m, pegmatites from 238.6-238.9m and 239.6-240m. Light blue alteration is present from 239.2-241m with gradational contacts into and out of it. Within the altered zone, texturally the unit still resembles biotite felsic gneiss but most of the biotite has been replaced by blue-coloured amphiboles. Sulphides are concentrated in the unaltered portion of the unit.	30		0.25	0.75
241.2	243.5	Pegmatite	white, light grey, green	Coarse-very coarse grained	Melt	Pegmatite-like unit that appears to be a localized melt generated from adjacent felsic unit. Brecciated zone in the upper 1m. Bands of biotite felsic gneiss 2-10cm thick. Where present the biotite is wrapping around the coarse-grained felsic minerals. Sulphides present within the breccia and also associated with biotite.	5		0.25	
243.5	247.8	Amphibolite	Dark Green	Medium Grained	Moderately Foliated	Amphibolite with localized sections that have a creamy/white-coloured acicular amphibole. Local patches of cream-yellow-coloured alteration, possibly sericitic alteration. Local quartz or quartz/carbonate veins 0.2-1cm thick - can be brecciated. Sulphides disseminated throughout but can be concentrated at contacts to veins.	5		0.15	0.1
247.8	251.7	Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Weakly-moderately foliated	Biotite felsic gneiss qith medium-grained biotite in a fine-grained felsic matrix. Quartz vein from 248.4-248.7m. Light blue alteration is present from 249-251.7m with a gradational upper contact. Within the altered zone, texturally the unit still resembles biotite felsic gneiss but most of the biotite has been replaced by blue-coloured amphiboles. From 249.6-250.1m the unit is very altered with a brecciated quartz vein and 2% fuchsite. Pathyc cream-yellow-coloured alteration, possibly sericite. Sulphides are disseminated throughout.	30		0.25	
251.7	252.5	Pegmatite	white, light grey	Coarse-very coarse grained	Melt	Pegmatite-like unit that appears to be a localized melt generated from adjacent felsic unit. Where present the biotite is wrapping around the coarse-grained felsic minerals. Sulphides associated with biotite.	5		0.1	
252.5	253.6	Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Weakly-moderately foliated	Biotite felsic gneiss qith medium-grained biotite in a fine-grained felsic matrix. Light blue alteration is present from 252.5-253m with a gradational basal contact. Within the altered zone, texturally the unit still resembles biotite felsic gneiss but most of the biotite has been replaced by blue-coloured amphiboles. Basal 30cm of the unit is amphibolite. Felsic clots of quartz and feldspar 0.5-2cm in diameter present with biotite wrapping around them.	30		0.25	
253.6	259.7	Pegmatite	white, pink, grey	Coarse-very coarse grained	Melt	Pegmatite-like unit that appears to be a local melt generated from adjacent felsic units. Local biotite-rich bands 0.5-2cm thick. Sections of the unit are coarse-grained with more of a granitic-texture with approximately 5-10% biotite.	10			
259.7	267.8	Biotite Felsic Gneiss	white, grey	Medium-coarse grained	Banded	Biotite felsic gneiss with medium- to coarse-grained biotite defining foliation amidst coarse-grained quartz and felsdpar crystals that can be lozenge-shaped. Local felsic clots 1-5cm in diameter. Quartz veins 0.5-1cm thick that are typically parallel to foliation but can also be folded. Dark blue alteration is present in localized biotite-rich bands. Pegmatite from 264.8-265.3m. Unit could be quartz veining through a soft ultramafic unit.	25			

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
267.8	270.0	Biotite Schist	dark grey/dark green	Medium Grained	Well Foliated	Biotite schist with 75-80% biotite composing the entire unit. Pervasive chloritic alteration in addition to patchy dark blue alteration. 268.4-268.6m is a section of the same biotite felsic gneiss as the two adjacent units. 7cm thick quartz vein at 269.3 that pinches to 1cm thick.	75			
270.0	276.3	Biotite Felsic Gneiss	white, grey	Medium-coarse grained	Banded	Biotite felsic gneiss with medium- to coarse-grained biotite defining foliation amidst coarse-grained quartz and felsdpar crystals that can be lozenge-shaped. Local felsic clots and 1-5cm in diameter that tend to pinch out. Quartz veins 0.5-1cm thick that are typically parallel to foliation but can also be folded. Pegmatite from 271.6-272.1m and 272.4-273.2m. UM dyke from 276-276.1m. Unit could be quartz veining through a soft ultramafic unit.	30			
276.3	276.9	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with sharp contacts. Small xenoliths 0.1-0.4cm in diameter.	2			
276.9	281.9	Biotite Felsic Gneiss	white, grey	Medium-coarse grained	Banded	Biotite felsic gneiss with medium- to coarse-grained biotite defining foliation amidst coarse-grained quartz and felsdpar crystals that can be lozenge-shaped. Local felsic clots and 1-5cm in diameter that tend to pinch out. Quartz veins 0.5-10cm thick that are typically parallel to foliation but can also be folded. Pegmatite from 278-278.3m.1-3cm thick UM dykes. Unit could be quartz veining through a soft ultramafic unit.	30		0.1	
281.9	284.0	Ultramafic	Dark Green	Fine Grained	Weakly-moderately foliated	Fine-grained UM unit with chloritic overprinting. Local sections with magnetite clots 0.5-1cm in diameter that are deformed and lozenge-shaped parallel to foliation. The upper 40cm of the unit has up to 40% biotite - biotite schist - which appears to be alteration from the adjacent felsic unit. Sulphides present in the biotite-rich portion of the unit.	10			0.25
284.0	284.6	UM\LAMP Dike	Black	Very Fine Grained	Massive	UM dyke with small xenoliths 0.1-0.3cm in diameter. Quartz/carbonate veinlets throughout.	2			
284.6	287.7	Ultramafic	Dark Green	Fine Grained	Weakly-moderately foliated	Fine-grained UM unit with chloritic overprinting. Local sections with magnetite clots 0.5-1cm in diameter that are deformed and lozenge-shaped parallel to foliation. The basal 40cm of the unit has up to 40% biotite - biotite schist - which appears to be alteration from the adjacent felsic unit. UM dyke from 284.9-285.3m.	10			
287.7	291.2	Biotite Felsic Gneiss	white, grey	Medium-coarse grained	Banded	Biotite felsic gneiss with medium- to coarse-grained biotite defining foliation amidst coarse-grained quartz and felsdpar crystals that can be lozenge-shaped. Local felsic clots and 1-5cm in diameter that tend to pinch out. Quartz veins 0.5-10cm thick that are typically parallel to foliation but can also be folded. Patchy chloritic alteration confined to the biotite-rich zones. Unit could be quartz veining through a soft ultramafic unit.	30		0.1	
291.2	294.1	Ultramafic	Dark Green	Fine Grained	Weakly-moderately foliated	Fine-grained UM unit with chloritic overprinting. Local sections with magnetite clots 0.5-1cm in diameter that are deformed and lozenge-shaped parallel to foliation. Intermixed sections of biotite schist which appears to be alteration from the adjacent felsic unit.	10			
294.1	294.7	Quartz Vein	White	Fine Grained	Massive	Quartz vein with sharp upper and lower contacts.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
294.7	300.0	Ultramafic	Dark Green	Fine Grained	Weakly-moderately foliated	Fine-grained UM unit with chloritic overprinting. Local sections with magnetite clots 0.5-1cm in diameter that are deformed and lozenge-shaped parallel to foliation. Foliation wraps around the magnetite clots. The upper 80cm of the unit has up to 60% biotite - biotite schist - which appears to be alteration from the adjacent felsic unit. EOH.	10			

APPENDIX III

Drill Cross Sections (1:1,000)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356,100mE
5,309,300mN
450mRL
400mRL
350mRL
300mRL
250mRL
200mRL
356145E 5309189N
0
50
100
150
200
250
300
350
EL14-01
Depth: 351m
Az: 150 Dip: -50
Hole EL14-01
4260442
Lithology Legend
Casing
Felsic Gneiss
Biotite Felsic Gneiss
Biotite Garnet Amphibole Gneiss
Biotite Amphibole Gneiss
Felsic Gneiss (G)
Garnet Felsic Gneiss
Garnet Amphibolite
Garnet Amphibole Gneiss
Amphibolite
Pegmatite
Ultramafic dyke
0
25
50
metres

5,309,150mN
356,600mE
5,309,200mN
5,309,250mN
356,550mE
5,309,300mN
5,309,350mN
356,500mE
5,309,400mN
5,309,450mN
356,450mE
5,309,500mN

400mRL
350mRL
300mRL
250mRL
200mRL

356490E 5309384N

0
50
100
150
200
250

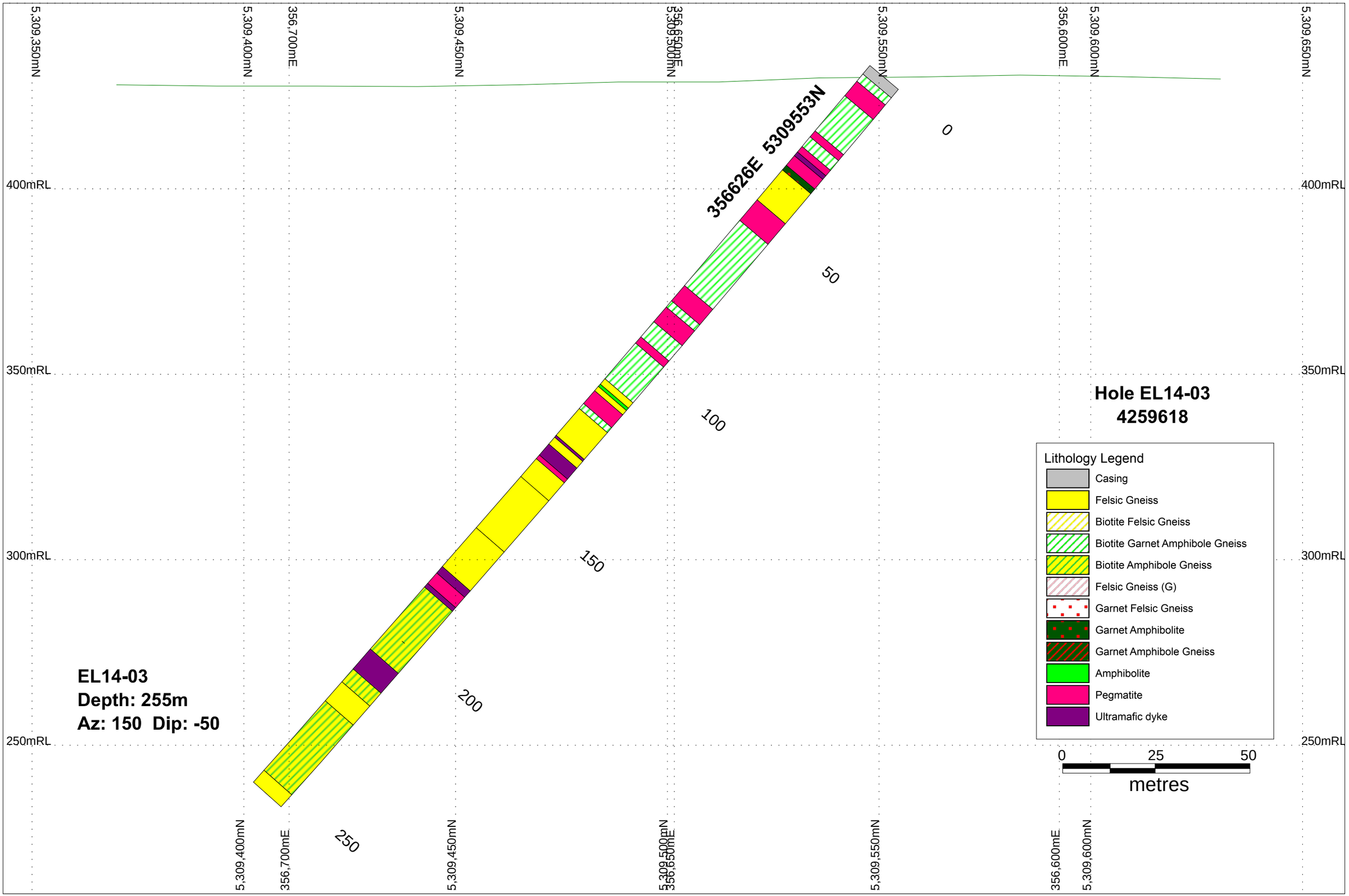
Hole EL14-02
4260897

Lithology Legend
- Casing
- Felsic Gneiss
- Biotite Felsic Gneiss
- Biotite Garnet Amphibole Gneiss
- Biotite Amphibole Gneiss
- Felsic Gneiss (G)
- Garnet Felsic Gneiss
- Garnet Amphibolite
- Garnet Amphibole Gneiss
- Amphibolite
- Pegmatite
- Ultramafic dyke

0 25 50
metres

EL14-02
Depth: 297m
Az: 150 Dip: -50

356,600mE
5,309,200mN
5,309,250mN
356,550mE
5,309,300mN
5,309,350mN
356,500mE
5,309,400mN
5,309,450mN
356,450mE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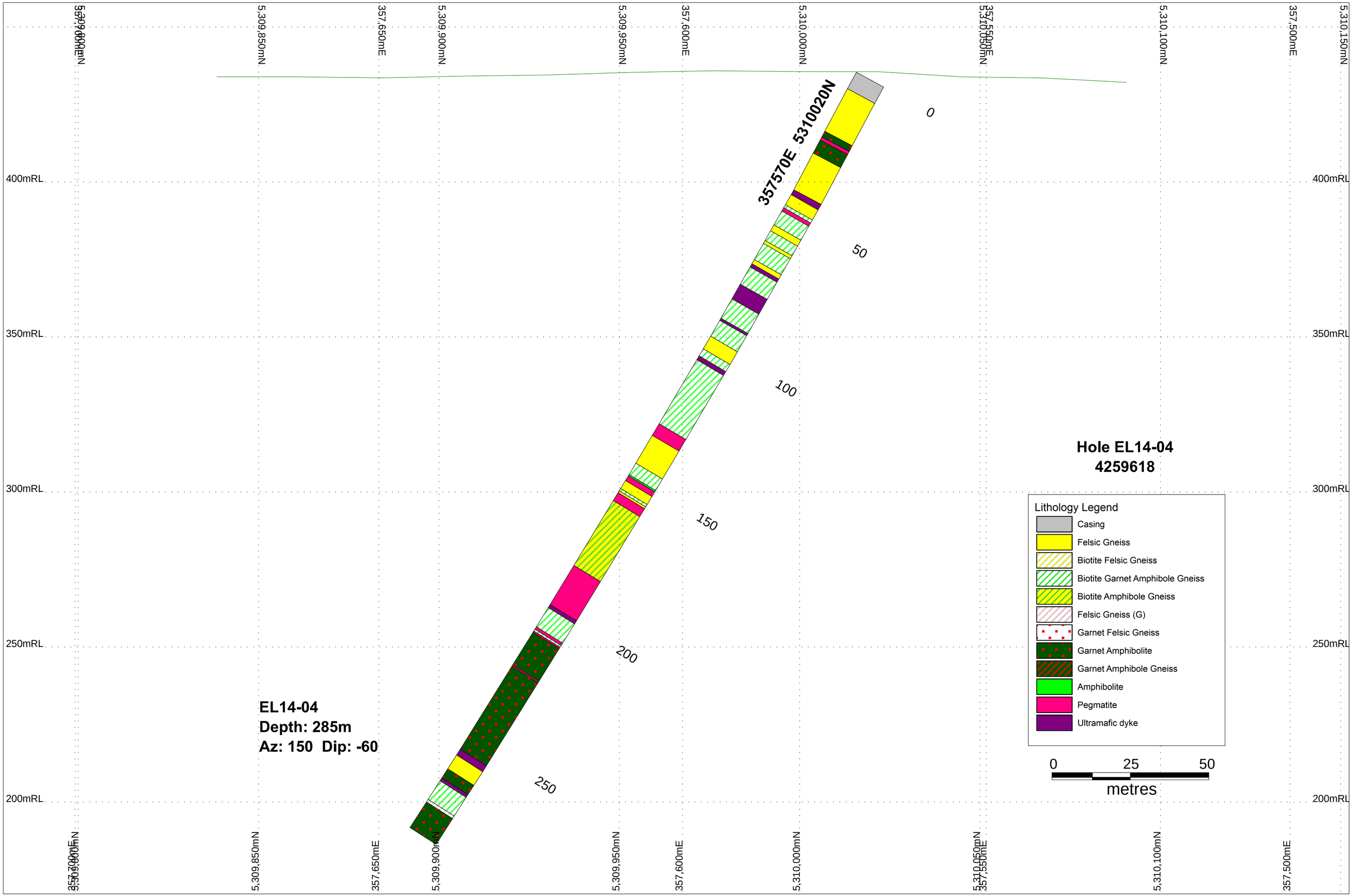
356,700mE
5,309,450mN
356,650mE
5,309,500mN
5,309,550mN
356,600mE
5,309,600mN
5,309,650mN
400mRL
350mRL
300mRL
250mRL
356626E 5309553N
0
50
100
150
200
250
EL14-03
Depth: 255m
Az: 150 Dip: -50
Hole EL14-03
4259618
Lithology Legend
Casing
Felsic Gneiss
Biotite Felsic Gneiss
Biotite Garnet Amphibole Gneiss
Biotite Amphibole Gneiss
Felsic Gneiss (G)
Garnet Felsic Gneiss
Garnet Amphibolite
Garnet Amphibole Gneiss
Amphibolite
Pegmatite
Ultramafic dyke
0
25
50
metres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357,700mE
5,309,850mN
357,650mE
5,309,900mN
5,309,950mN
357,600mE
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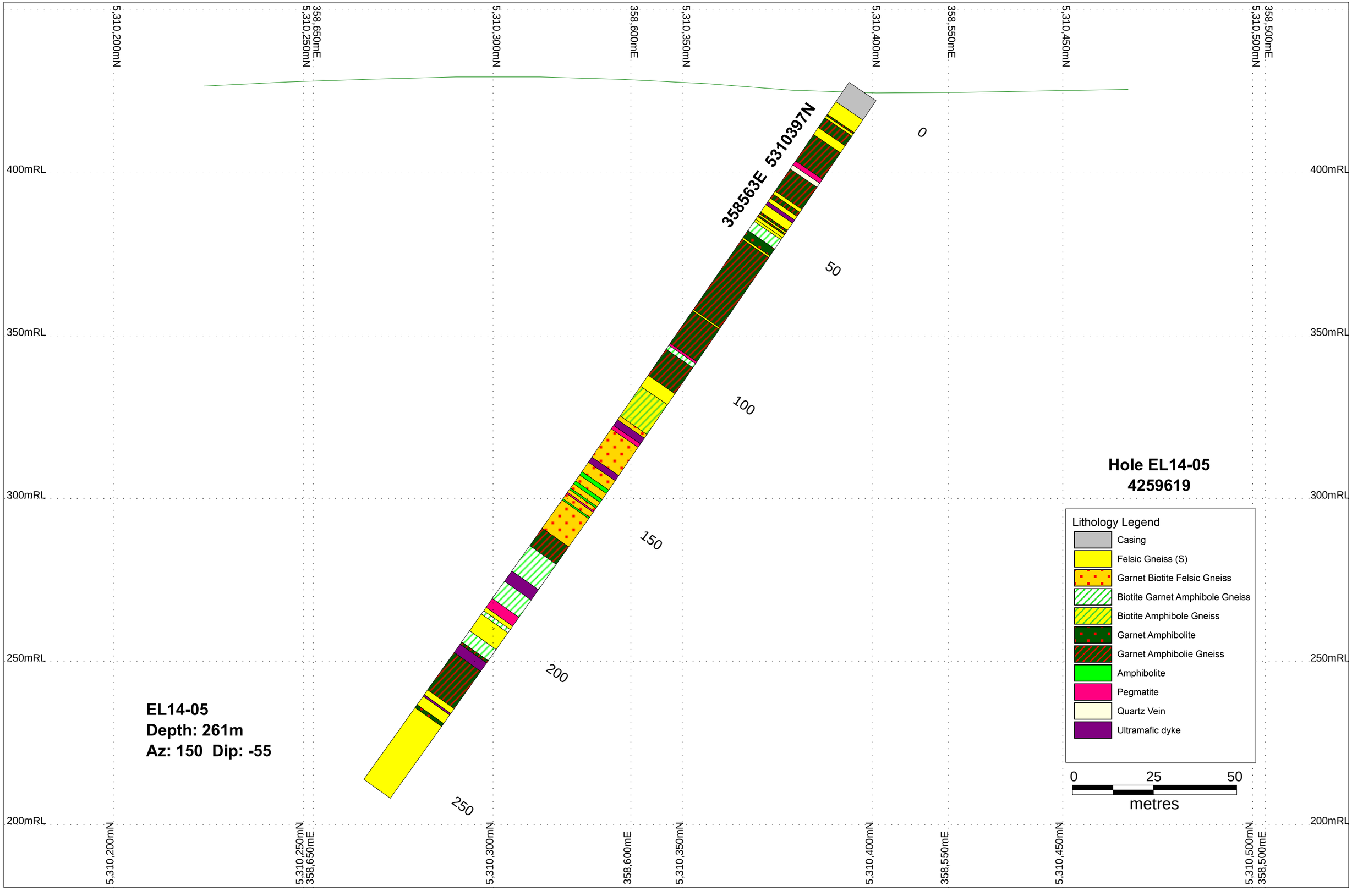
5,310,050mN
357,550mE
5,310,100mN
357,500mE
5,310,150mN
400mRL
350mRL
300mRL
250mRL
200mRL
357570E 5310020N
0
50
100
150
200
250
Hole EL14-04
4259618
EL14-04
Depth: 285m
Az: 150 Dip: -60
Lithology Legend
Casing
Felsic Gneiss
Biotite Felsic Gneiss
Biotite Garnet Amphibole Gneiss
Biotite Amphibole Gneiss
Felsic Gneiss (G)
Garnet Felsic Gneiss
Garnet Amphibolite
Garnet Amphibole Gneiss
Amphibolite
Pegmatite
Ultramafic dyke
0
25
50
metres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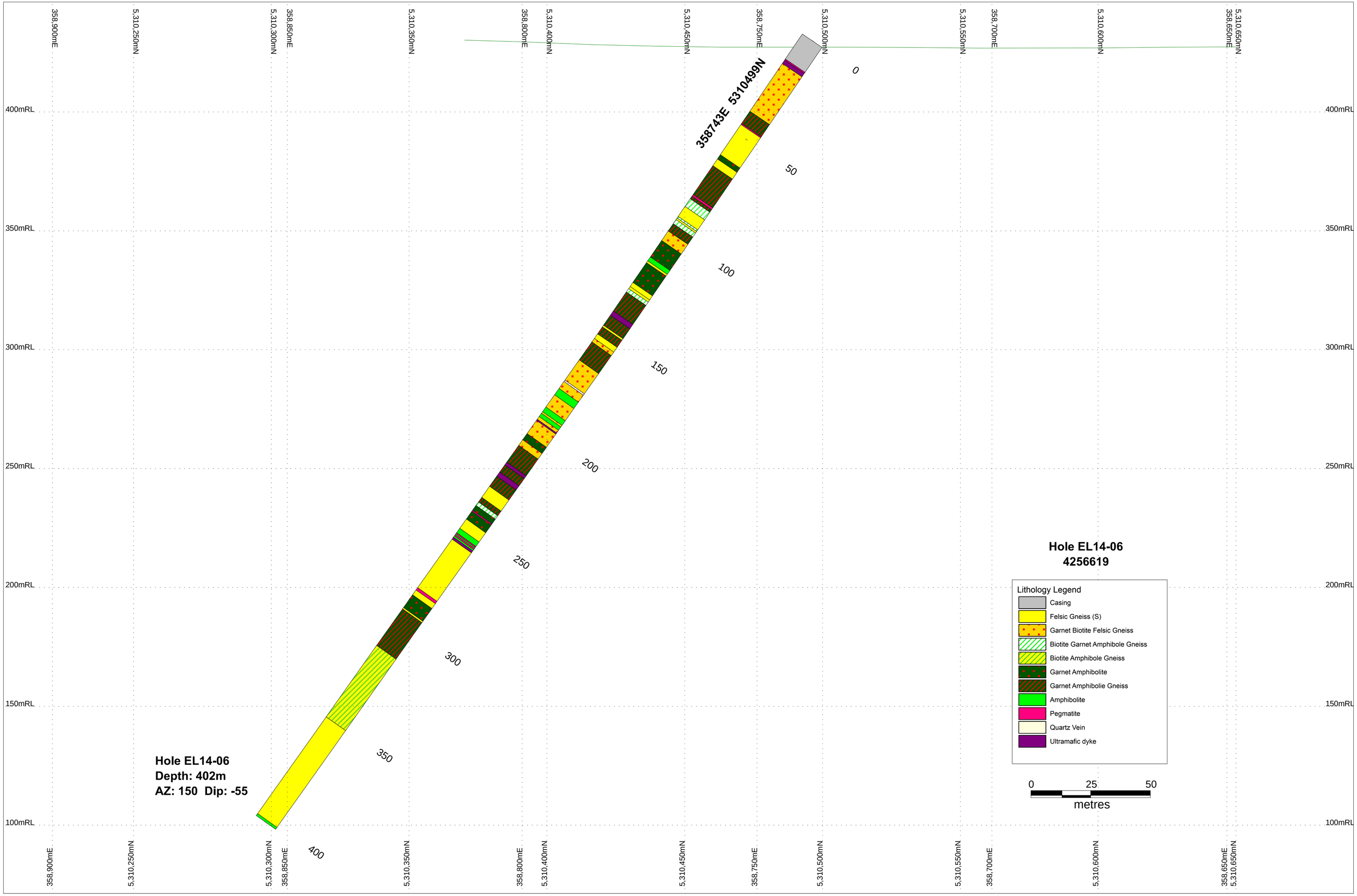
5,310,450mN
5,310,500mN
358,500mE
400mRL
350mRL
300mRL
250mRL
200mRL
358563E 5310397N
0
50
100
150
200
250
EL14-05
Depth: 261m
Az: 150 Dip: -55
Hole EL14-05
4259619
Lithology Legend
Casing
Felsic Gneiss (S)
Garnet Biotite Felsic Gneiss
Biotite Garnet Amphibole Gneiss
Biotite Amphibole Gneiss
Garnet Amphibolite
Garnet Amphibolie Gneiss
Amphibolite
Pegmatite
Quartz Vein
Ultramafic dyke
0
25
50
metres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358,750mE
5,310,500mN
5,310,550mN
358,700mE
5,310,600mN
358,650mE
5,310,650mN
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
100mRL
358743E 5310499N
0
50
100
150
200
250
300
350
400
Hole EL14-06
Depth: 402m
AZ: 150 Dip: -55
Hole EL14-06
4256619
Lithology Legend
Casing
Felsic Gneiss (S)
Garnet Biotite Felsic Gneiss
Biotite Garnet Amphibole Gneiss
Biotite Amphibole Gneiss
Garnet Amphibolite
Garnet Amphibolie Gneiss
Amphibolite
Pegmatite
Quartz Vein
Ultramafic dyke
0
25
50
metres

364,850mE
5,316,200mN
364,800mE
5,316,250mN
5,316,300mN
364,750mE
5,316,350mN
5,316,400mN
364,700mE
5,316,450mN
5,316,500mN
364,650mE

400mRL
350mRL
300mRL
250mRL
200mRL

364747E 5316341N

0
50
100
150
200
250

EL14-07

Hole EL14-07
4263009

Lithology Legend
- Casing
- Felsic Gneiss (S)
- Garnet Biotite Felsic Gneiss
- Biotite Garnet Amphibole Gneiss
- Biotite Amphibole Gneiss
- Garnet Amphibolite
- Garnet Amphibolie Gneiss
- Amphibolite
- Pegmatite
- Quartz Vein
- Ultramafic dyke

0 25 50
metres

Hole EL14-07
Depth: 261m
Az: 150 Dip: -75

5,316,200mN
364,800mE
5,316,250mN
5,316,300mN
364,750mE
5,316,350mN
5,316,400mN
364,700mE
5,316,450mN
5,316,500mN
364,650mE

377,650mE
5,328,350mN
5,328,400mN
377,600mE
5,328,450mN
5,328,500mN
377,550mE
5,328,550mN
5,328,600mN
377,500mE
5,328,650mN
377,450mE
5,328,700mN

350mRL
300mRL
250mRL
200mRL
150mRL
100mRL

377523E 5328566N

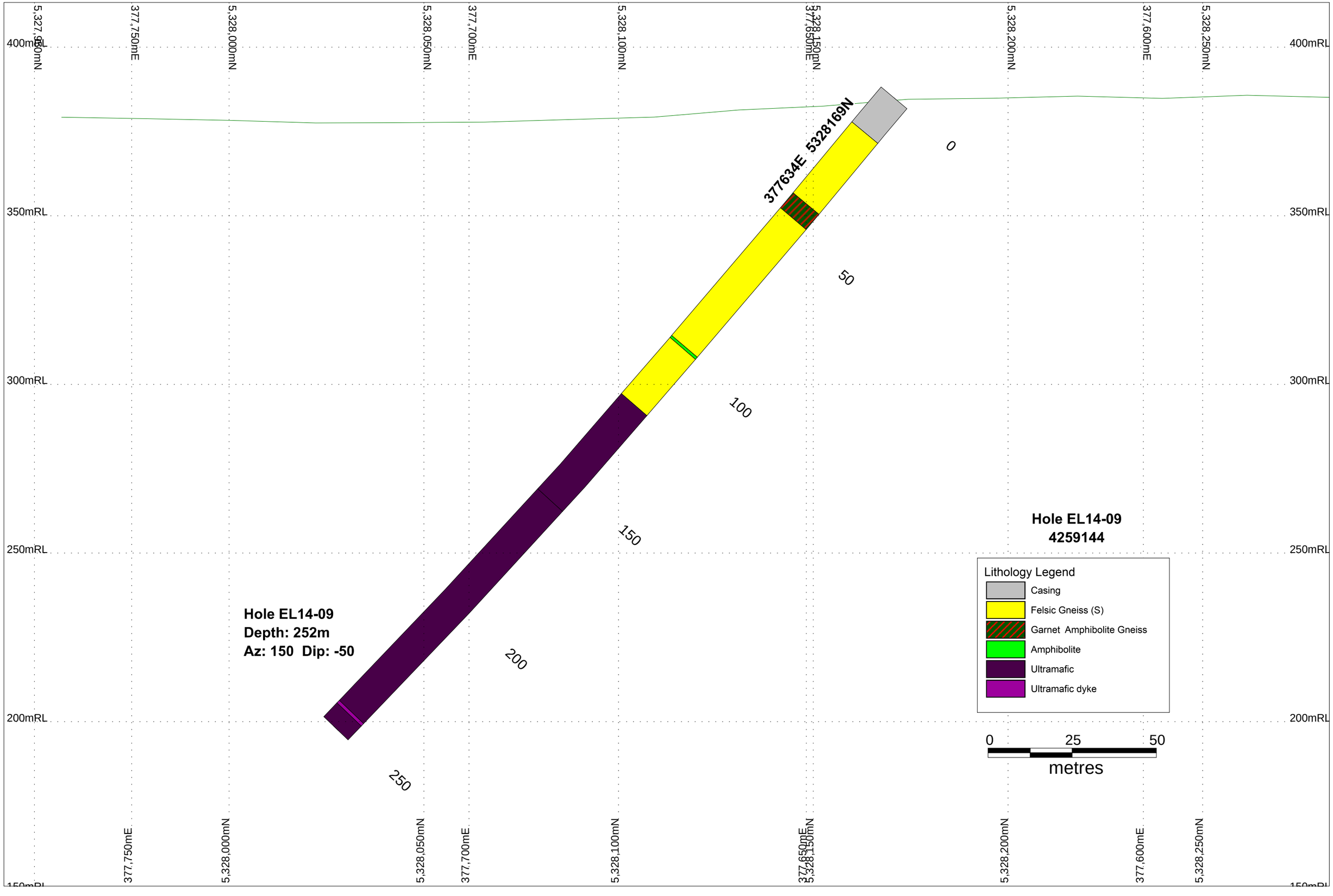
0
50
100
150
200
250
300
350

Hole EL14-08
Depth: 357m
Az: 150 Dip: -50

Hole EL14-08
4259144

Lithology Legend
- Casing
- Felsic Gneiss (S)
- Amphibolite
- Ultramafic dyke
- Diabase dyke

0 25 50
metres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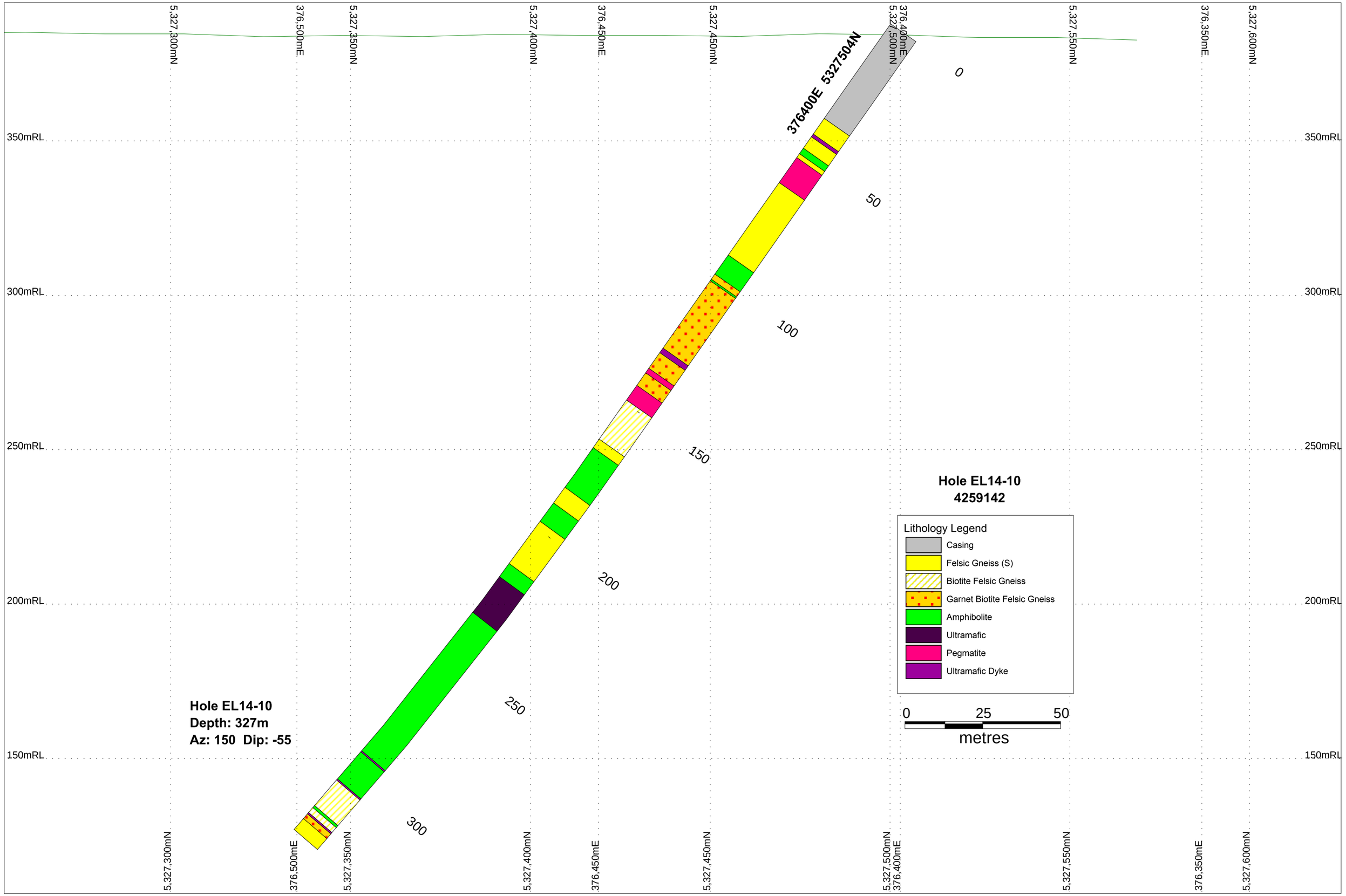
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
377634E 5328169N
0
50
100
150
200
250
Hole EL14-09
Depth: 252m
Az: 150 Dip: -50
Hole EL14-09
4259144
Lithology Legend
Casing
Felsic Gneiss (S)
Garnet Amphibolite Gneiss
Amphibolite
Ultramafic
Ultramafic dyke
0
25
50
metres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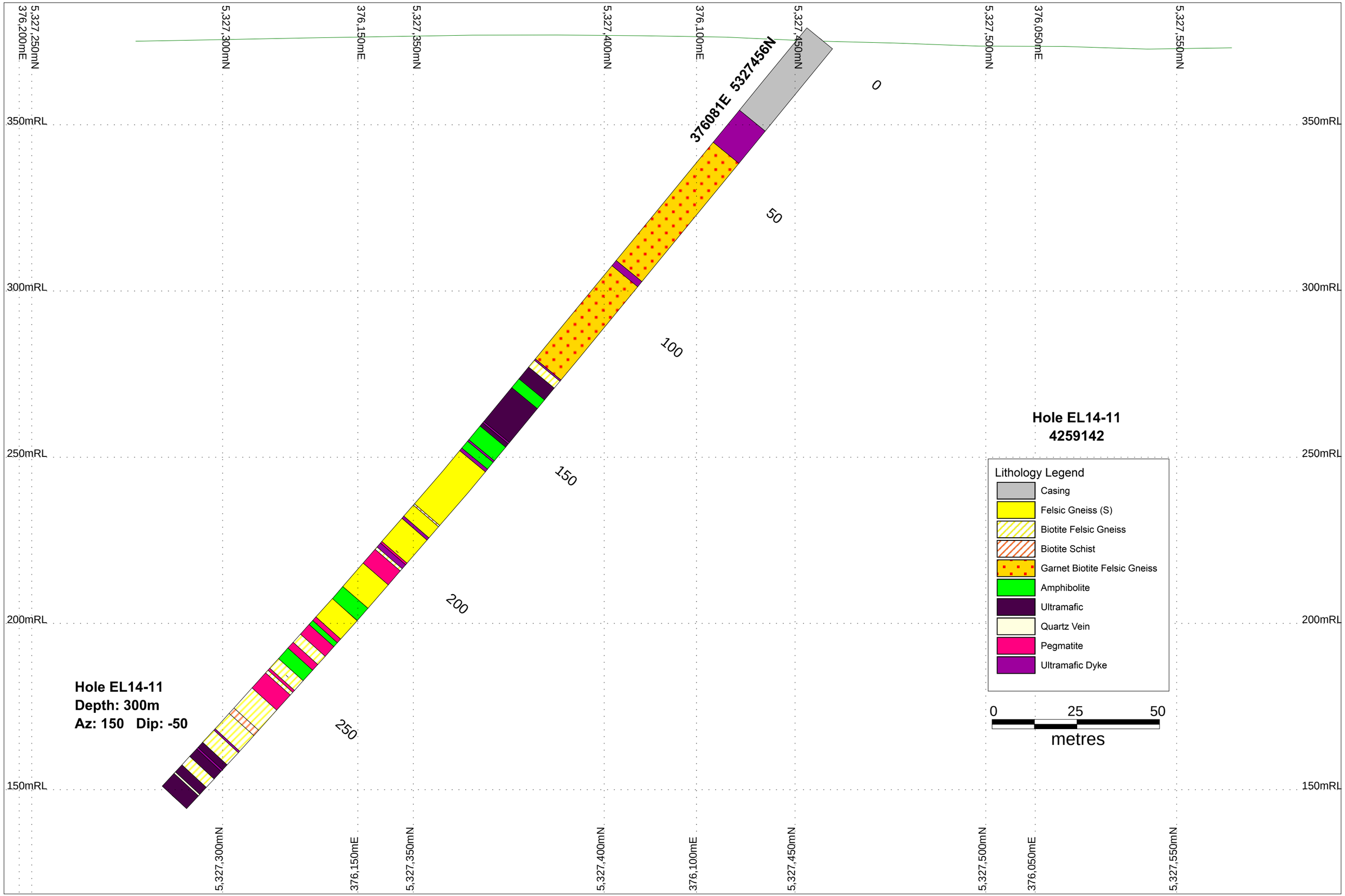
5,327,550mN
376,350mE
5,327,600mN
350mRL
300mRL
250mRL
200mRL
150mRL
376400E 5327504N
0
50
100
150
200
250
300
Hole EL14-10
Depth: 327m
Az: 150 Dip: -55
Hole EL14-10
4259142
Lithology Legend
Casing
Felsic Gneiss (S)
Biotite Felsic Gneiss
Garnet Biotite Felsic Gneiss
Amphibolite
Ultramafic
Pegmatite
Ultramafic Dyke
0
25
50
metres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5,327,500mN
376,050mE
5,327,550mN
350mRL
300mRL
250mRL
200mRL
150mRL
376081E 5327456N
0
50
100
150
200
250
Hole EL14-11
4259142
Lithology Legend
Casing
Felsic Gneiss (S)
Biotite Felsic Gneiss
Biotite Schist
Garnet Biotite Felsic Gneiss
Amphibolite
Ultramafic
Quartz Vein
Pegmatite
Ultramafic Dyke
0
25
50
metres
Hole EL14-11
Depth: 300m
Az: 150 Dip: -50