

**ASSESSMENT REPORT ON
2012 DIAMOND DRILLING
BORDEN GOLD PROJECT**

**COCHRANE TOWNSHIP
PORCUPINE DISTRICT, ONTARIO**

Submitted to:
Geoscience Assessment Office
Ministry of Northern Development and Mines
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INTRODUCTION

Between January 19th and June 28th 2012, Probe Mines Limited completed drilling on the Borden Gold Project as part of its ongoing program. This report describes the results of sixty-four (64) diamond drill holes on the Borden property. Eight (8) holes were completed between January 19th and March 15th; the remaining fifty six (56) were completed from March 12th to June 28th.

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 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 has continued to illustrate this potential and Probe released an updated NI 43-101 compliant Resource Estimate in January 2013 on the Borden Gold Deposit. Drilling in late 2012 intersected a High Grade Zone (HGZ) in the Southeastern area of the deposit. This HGZ continues to be defined by drilling in 2013.

Previous assessment for the first stage drilling on the Borden Gold project was filed under work report W1060.02610 in November 2010. Additional drilling in 2011 was filed in August 2012 under work report W1260.02025.

The property is located in the Borden and Cochrane Townships, approximately 9 km east-northeast of the town of Chapleau, Ontario.

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

LOCATION AND ACCESS

The Borden Gold project is located in the Borden Lake area of the 1:50,000 NTS topographic sheet 41O/14, approximately 160 km southwest of the city of Timmins and 9 km east-northeast of the town of Chapleau, Ontario (Figure 1). Access to the property is via Highway 101.

The current report details work applicable to claims 4227868, 4240490, 4255238, 4242553, 4255237, 4242554; and patent claims with PIN numbers 731020014, 731020016, 731020012 and 731020007 located in Cochrane Township.

Probe Mines has entered into an option agreement with M. Tremblay and J. Robert on claims 4227868, 4240490, 4255237 and 4255238, and has the right to acquire 100% according to the terms of the agreement. The agent's letter was submitted with previous assessment reports (W1060.02610 & W1160.00098) and is on file at the MNDM. Probe has earned the option in these claims and a claim transfer form will be submitted shortly.

Work reported in this report was also completed on four private claims or dispositions (patent lands) on which Probe has entered into either option or purchase agreements. Each disposition is equal in size to four claim units. Agent's letters for the private claims were submitted with a previous assessment report filed in July 2012 (W1260.02025), and are on file at the MNDM.

The amount of credits applied from the work completed as detailed in this report is \$2,395,299, and is being used towards keeping all the project claims in good standing.

Unpatented Mineral Claim and Patented Claim (Private lands) information is displayed in Table 1.

Table 1 – Unpatented and Patented Claim Information

Unpatented Mineral Claims

Mineral Claim	District	Claim Due Date	Township	G-Plan	NTS	Units
4227868	POR	November 10, 2017	Cochrane	G-1085	41O14	15
4240490	POR	May 6, 2017	Cochrane	G-1085	41O14	6
4242553	POR	September 13, 2017	Cochrane	G-1085	41O14	16
4242554	POR	September 13, 2017	Cochrane	G-1085	41O14	14
4255237	POR	May 27, 2017	Cochrane	G-1085	41O14	6
4255238	POR	May 27, 2017	Cochrane	G-1085	41O14	4

Patented Claims (private lands/dispositions)

PIN Number	Mining Land ID	PIN number & Description	Units
731020014	60100167	South Half of Lot 2, Concession 2	4
731020016		North Half of Lot 2, Concession 2	4
731020012	60100165	North Half of Lot 3, Concession 2	4
731020007	60100166	North Half of Lot 6, Concession 3	4

GEOLOGY

The Borden Gold Project is 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 (Figure 2), 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. 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 metamorphic grade granulite and amphibolite facies paragneiss, tonalitic gneisses and anorthosite-suite gneisses occurring along a moderate northwest dipping crustal scale thrust fault 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 metamorphic grade 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 alkali 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 in Borden and Cochrane Townships. It 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 metasediments comprise greywackes, arkose, arenite, quartz pebble conglomerate and polymictic cobble conglomerate, metamorphosed to upper amphibolites facies. Gneissic fabrics are evident and the rocks appear to have been affected by regional deformation. Several

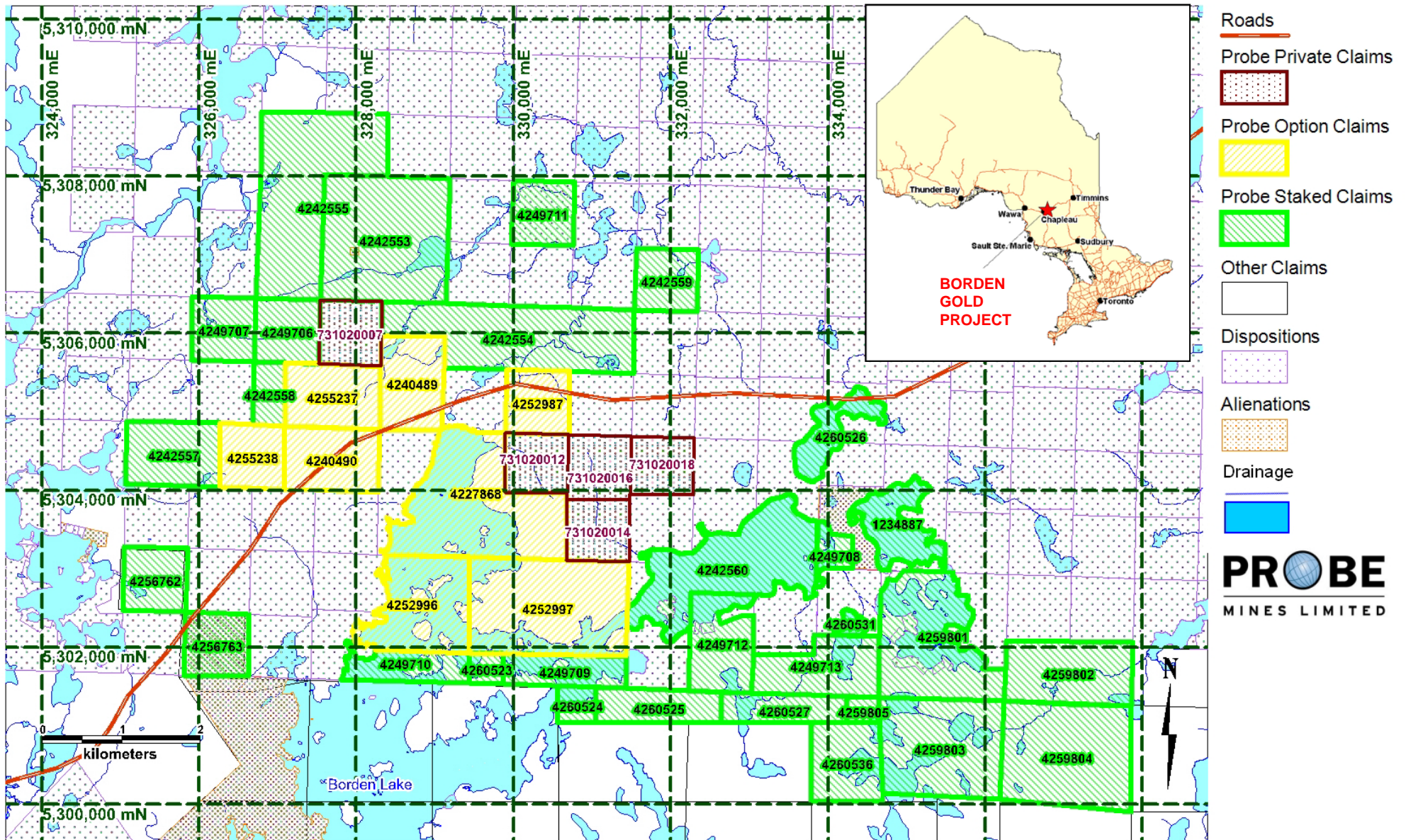


Figure 1- Location of the Borden Gold Project

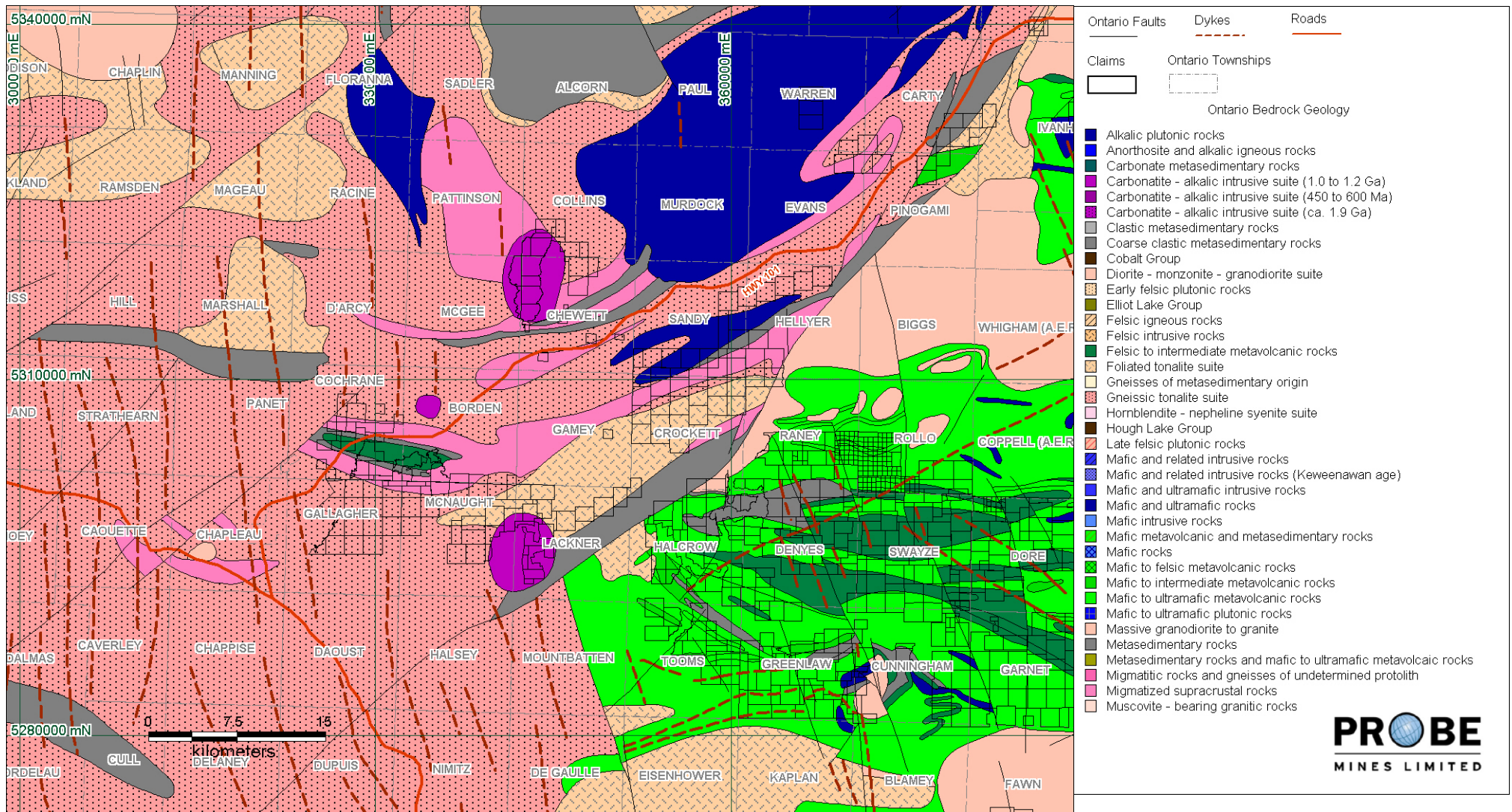


Figure 2 – General Geology of the Borden Gold Project Area

episodes of deformation are reflected in the structural imprint of the rocks, with the last deformation being related to the development of the KSZ.

PREVIOUS WORK

Minimal previous work has been completed on the property. In the early to mid 1980s Noranda Exploration Co. Ltd. carried out an exploration program in the west-northwest section of the project area. The program consisted of geological mapping and geophysical surveys including magnetic and Max-min EM. A drill program was also conducted. AFRIs 41O14SW1003, 41O14SW0003 and 41O14SW0004 detail the results of this work.

Various assessment reports were also filed by M. Tremblay in the early 1990s. Work included VLF surveys, soil geochemical sampling and overburden stripping. The AFRIs that detail the work completed include 41O14SW9179, 41O14SW9180, 41O14SW9184, 41O14SW9200, 41O15NE0001 and 41O14SW0001.

In July 2010, Probe Mines completed a diamond drill program comprising eight holes and totaling 790m on claim number 4227868. An assessment report on the drilling was filed in November 2010 under work report W1060.02610. Results indicated that 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.

DIAMOND DRILLING

Between January 19th and June 28th 2012, Probe Mines Limited completed drilling on the Borden Gold Project as part of its ongoing program. This report describes the results of sixty-four (64) diamond drill holes on the Borden Gold property. Eight (8) holes were completed between January 19th and March 15th; the remaining fifty six (56) were completed from March 12th to June 28th.

Total meterage was 22,178.7 m. Major Drilling was the drilling contractor. The program was overseen by David Palmer, with onsite management by Craig Yuill. Data compilation was completed by Sharon Allan, who is also the author of this report.

The drill hole data for the 64 drill holes is summarized in Table 2. Figure 3 illustrates the collar locations and Figure 4 the drill hole traces plan view. Larger scale maps of these that show greater clarity are located in Appendix I at scales of 1:5,000.

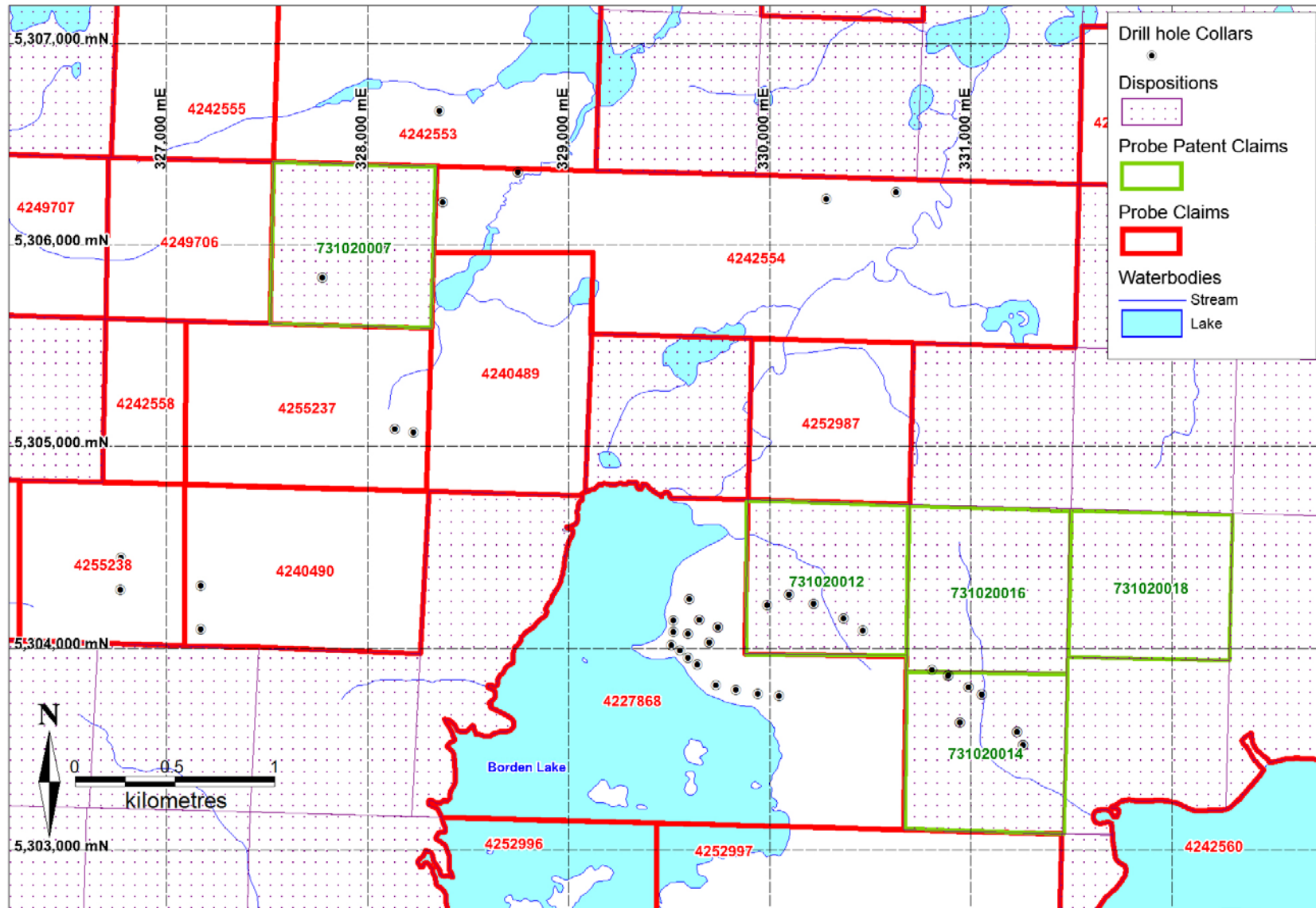


Figure 3 - Diamond Drill Hole Locations (see Appendix I for 1:5,000 map)

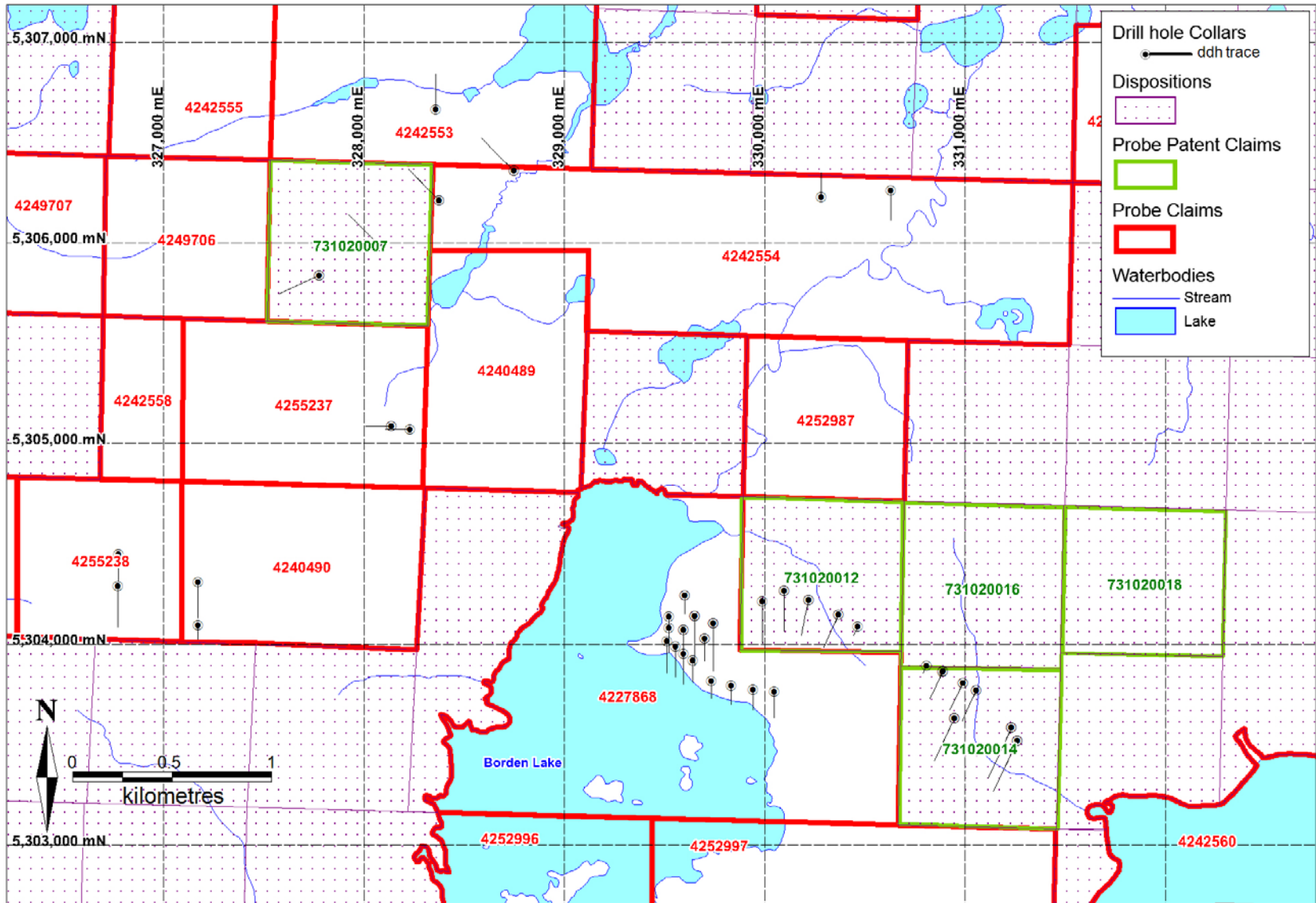


Figure 4 - Diamond Drill Hole Traces and Depths (see Appendix I for 1:5,000 map)

Table 2 – Diamond drill hole data (NAD 83, Zone 17)

	Hole ID	Date Started	Date Completed	Azimuth	Depth (m)	CollarDip	Collar Easting	Collar Northing
1	BL12-179	12/03/2012	14/03/2012	180	197	-50	330048	5303764
2	BL12-180	12/03/2012	16/03/2012	205	470	-85	330807	5303893
3	BL12-181	15/03/2012	16/03/2012	180	161	-50	329942	5303776
4	BL12-182	16/03/2012	07/04/2012	205	545	-85	330465	5304089
5	BL12-183	17/03/2012	05/04/2012	205	438.4	-70	330888	5303865
6	BL12-184	17/03/2012	18/03/2012	180	145	-50	329831	5303796
7	BL12-185	18/03/2012	04/04/2012	180	134	-50	329733	5303817
8	BL12-186	05/04/2012	08/04/2012	205	440	-85	330891	5303867
9	BL12-187	05/04/2012	07/04/2012	180	170	-50	329641	5303919
10	BL12-189	07/04/2012	09/04/2012	180	239	-50	329593	5303954
11	BL12-188	08/04/2012	16/04/2012	205	523.4	-70	330369	5304150
12	BL12-190	09/04/2012	13/04/2012	205	444	-70	330988	5303809
13	BL12-191	09/04/2012	12/04/2012	180	237.8	-50	329555	5303989
14	BL12-192	11/04/2012	13/04/2012	180	245	-50	329511	5304016
15	BL12-193	13/04/2012	16/04/2012	205	433	-85	330988	5303809
16	BL12-194	16/04/2012	20/04/2012	180	386	-50	329649	5304141
17	BL12-195	16/04/2012	23/04/2012	205	518	-85	330369	5304150
18	BL12-196	16/04/2012	21/04/2012	205	492	-70	331056	5303771
19	BL12-197	20/04/2012	24/04/2012	180	443	-70	329649	5304141
20	BL12-198	21/04/2012	25/04/2012	205	443	-85	331056	5303771
21	BL12-199	23/04/2012	30/04/2012	192	524	-70	330219	5304222
22	BL12-200	24/04/2012	30/04/2012	180	506	-85	329649	5304141
23	BL12-201	25/04/2012	01/05/2012	205	365	-50	330945	5303632
24	BL12-202	28/04/2012	16/05/2012	205	393	-70	330945	5303632
25	BL12-204	30/04/2012	23/05/2012	192	681	-85	330219	5304222
26	BL12-203	01/05/2012	18/05/2012	180	368	-50	329743	5304104
27	BL12-205	16/05/2012	20/05/2012	205	446	-85	330945	5303632
28	BL12-206	18/05/2012	22/05/2012	180	425	-70	329743	5304104
29	BL12-208	20/05/2012	24/05/2012	205	431	-50	331232	5303585
30	BL12-209	22/05/2012	28/05/2012	180	500	-85	329743	5304104
31	BL12-207	23/05/2012	29/05/2012	180	597	-70	330095	5304269
32	BL12-210	24/05/2012	27/05/2012	205	440	-70	331232	5303585
33	BL12-211	28/05/2012	01/06/2012	205	503	-85	331232	5303585
34	BL12-212	28/05/2012	31/05/2012	180	365	-70	329521	5304081
35	BL12-213	30/05/2012	09/06/2012	180	711	-85	330095	5304269
36	BL12-214	31/05/2012	01/06/2012	180	218	-70	329521	5304139
37	BL12-215	02/06/2012	05/06/2012	205	431	-50	331259	5303519
38	BL12-217	03/06/2012	05/06/2012	180	200	-50	329595	5304073
39	BL12-218	05/06/2012	07/06/2012	180	278	-70	329595	5304073
40	BL12-219	05/06/2012	08/06/2012	205	431	-70	331259	5303519
41	BL12-220	07/06/2012	09/06/2012	180	275	-70	329600	5304245
42	BL12-221	08/06/2012	01/07/2012	180	609	-70	329986	5304216
43	BL12-222	08/06/2012	27/06/2012	205	503	-85	331259	5303519
44	BL12-223	09/06/2012	11/06/2012	180	260	-85	329600	5304245
45	BL12-224	11/06/2012	26/06/2012	180	176	-50	329699	5304030
46	BL12-225	27/06/2012	28/06/2012	180	212	-70	329699	5304030

	Hole ID	Date Started	Date Completed	Azimuth	Depth (m)	CollarDip	Collar Easting	Collar Northing
47	BN12-019	19/01/2012	19/01/2012	245	5	-45	327775	5305839
48	BN12-020	22/01/2012	26/01/2012	245	316	-45	327775	5305839
49	BN12-021	27/01/2012	02/02/2012	315	313	-45	328081	5305982
50	BN12-022	02/02/2012	23/02/2012	315	352	-50	328081	5305982
51	BN12-023	23/02/2012	27/02/2012	315	307	-45	328374	5306212
52	BN12-024	27/02/2012	02/03/2012	315	313	-60	328374	5306212
53	BN12-025	02/03/2012	09/03/2012	315	325	-45	328747	5306359
54	BN12-026	09/03/2012	15/03/2012	315	335	-60	328747	5306359
55	BN12-027	15/03/2012	19/03/2012	360	250.9	-45	328359	5306663
56	BN12-028	26/04/2012	28/04/2012	270	183	-45	328137	5305086
57	BN12-029	28/04/2012	30/04/2012	270	144	-60	328137	5305086
58	BN12-030	30/04/2012	17/05/2012	270	172	-45	328228	5305070
59	BN12-031	17/05/2012	21/05/2012	180	288	-45	326770	5304289
60	BN12-033	24/05/2012	26/05/2012	180	190.2	-45	326774	5304448
61	BN12-034	26/05/2012	30/05/2012	180	249	-45	327171	5304309
62	BN12-036	03/06/2012	04/06/2012	180	99	-45	327169	5304095
63	BN12-038	06/06/2012	08/06/2012	180	210	-45	330629	5306261
64	BN12-039	08/06/2012	09/06/2012	360	174	-45	330281	5306227

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 multiple drill holes along lines that are perpendicular to the strike of the deposit and parallel the azimuth of the holes. The sections start at 1100mNW and are every 50m (where applicable) to 2000mSE. An index plan view of the section lines and collar locations is also presented at the start of Appendix III. Table 3 lists the section that each drill hole is illustrated on.

There are 18 holes located to the NW of the Borden Gold deposit that are illustrated separately and not as part of the sections on the known deposit.

The unpatented or patented (private) mineral claim that each hole is located on is also listed. In instances where the drill hole crossed a claim boundary, more than one claim is listed with the relevant meterage pertinent to each claim in brackets.

All the drill holes in this program intersected the same rock units as in the previous programs.

Table 3 – Drill holes, Sections and Claim number

	HoleID	Section	Unpatented or Patent (private) claim number	Depth (m)
1	BL12-179	250mNW	4227868	197
2	BL12-180	400mSE	COCH LOT2 CON2 N & S; 731020016 (177m) & 731020014 (293m)	470
3	BL12-181	350mNW	4227868	161
4	BL12-182	0m	COCH LOT3 CON2 N; 731020012	545
5	BL12-183	500mSE	COCH LOT2 CON2 S; 731020014	438.4
6	BL12-184	450mNW	4227868	145
7	BL12-185	550mNW	4227868	134
8	BL12-186	500mSE	COCH LOT2 CON2 S; 731020014	440
9	BL12-187	650mNW	4227868	170
10	BL12-189	700mNW	4227868	239
11	BL12-188	100mNW	COCH LOT3 CON2 N; 731020012	523.4
12	BL12-190	600mSE	COCH LOT2 CON2 S; 731020014	444
13	BL12-191	750mNW	4227868	237.8
14	BL12-192	800mNW	4227868	245
15	BL12-193	600mSE	COCH LOT2 CON2 S; 731020014	433
16	BL12-194	650mNW	4227868	386
17	BL12-195	100mNW	COCH LOT3 CON2 N; 731020012	518
18	BL12-196	700mSE	COCH LOT2 CON2 S; 731020014	492
19	BL12-197	650mNW	4227868	443
20	BL12-198	700mSE	COCH LOT2 CON2 S; 731020014	443
21	BL12-199	150mNW	COCH LOT3 CON2 N; 731020012	524
22	BL12-200	650mNW	4227868	506
23	BL12-201	650mSE	COCH LOT2 CON2 S; 731020014	365
24	BL12-202	650mSE	COCH LOT2 CON2 S; 731020014	393
25	BL12-204	150mNW	COCH LOT3 CON2 N; 731020012	681
26	BL12-203	550mNW	4227868	368
27	BL12-205	650mSE	COCH LOT2 CON2 S; 731020014	446
28	BL12-206	550mNW	4227868	425
29	BL12-208	900mSE	COCH LOT2 CON2 S; 731020014	431
30	BL12-209	550mNW	4227868	500
31	BL12-207	200mNW	COCH LOT3 CON2 N; 731020012	597
32	BL12-210	900mSE	COCH LOT2 CON2 S; 731020014	440
33	BL12-211	900mSE	COCH LOT2 CON2 S; 731020014	503
34	BL12-212	800mNW	4227868	365
35	BL12-213	200mNW	COCH LOT3 CON2 N; 731020012	711
36	BL12-214	800mNW	4227868	218
37	BL12-215	1000mSE	COCH LOT2 CON2 S; 731020014	431
38	BL12-217	700mNW	4227868	200
39	BL12-218	700mNW	4227868	278
40	BL12-219	1000mSE	COCH LOT2 CON2 S; 731020014	431
41	BL12-220	700mNW	4227868	275
42	BL12-221	300mNW	COCH LOT3 CON2 N; 731020012	609
43	BL12-222	1000mSE	COCH LOT2 CON2 S; 731020014	503
44	BL12-223	700mNW	4227868	260
45	BL12-224	600mNW	4227868	176
46	BL12-225	600mNW	4227868	212
47	BN12-019		COCH LOT6 CON3 N; 731020007	5

	HoleID	Section	Unpatented or Patent (private) claim number	Depth (m)
48	BN12-020		COCH LOT6 CON3 N; 731020007	316
49	BN12-021		COCH LOT6 CON3 N; 731020007	313
50	BN12-022		COCH LOT6 CON3 N; 731020007	352
51	BN12-023		4242554 (86m) & COCH LOT6 CON3 N; 731020007 (221m)	307
52	BN12-024		4242554 (124m) & COCH LOT6 CON3 N; 731020007 (189m)	313
53	BN12-025		4242554 (42m) & 4242553 (283m)	325
54	BN12-026		4242554 (63m) & 4242553 (272m)	335
55	BN12-027		4242553	250.9
56	BN12-028		4255237	183
57	BN12-029		4255237	144
58	BN12-030		4255237	172
59	BN12-031		4255238	288
60	BN12-033		4255238	190.2
61	BN12-034		4240490	249
62	BN12-036		4240490	99
63	BN12-038		4242554	210
64	BN12-039		4242554	174

Patented (Private claims) are referenced by Township, lot number, concession number, North or South half (of lot & concession) and PIN/parcel number eg COCH LOT6 CON3N: PIN731020007 refers to Cochrane Township, Lot 6, Concession 3, North Half, Parcel PIN number 731020007.

RECOMMENDATIONS

The Borden Gold Deposit remains open along strike in both directions. An ongoing drill program continues to define the deposit. Costs related to the drilling as detailed in this report are being applied to maintain the claims in good standing.

REFERENCES

- Moser, D. E. 1989. Preliminary Map, Geology of the Wawa Gneiss Terrane Adjacent to the Kapuskasing Structural Zone near Chapleau, Ontario; Geological Survey of Canada Open File Map 2056, scale 1:50 000.
- Moser, D.E. 1994. The geology and structure of the mid-crustal Wawa gneiss domain – a key to understanding tectonic variation with depth and time in the late Archean Abitibi-Wawa Orogen. *Canadian Journal of Earth Sciences*, 31: p. 1064-1080.
- Moser, D.E, Bowman, J.R., Wooden, J., Valley, J.W., Mazdab, F. and Kita, N. 2008. Creation of a continent recorded in zircon zoning. *Geology* 36: p. 239-242.
- Murahwi, C. Gowans, R. and San Martin, A. J. 2012 Technical Report on the Updated Mineral Resource Estimate For the Borden Lake Gold Deposit, Borden Lake Property, Northern Ontario, Canada, 188p.
- Ontario Geological Survey 1991a. Bedrock geology of Ontario, north sheet; Ontario Geological Survey, Map 2543, scale 1:1 000 000.
- Ontario Geological Survey 2001. Results of modern alluvium sampling, Chapleau area, northeastern Ontario: Operation Treasure Hunt—Kapuskasing Structural Zone; Ontario Geological Survey, Open File Report 6063, 164p.
- Percival, J.A. and West, G.F. 1994. The Kapuskasing uplift: a geological and geophysical synthesis; *Canadian Journal of Earth Sciences*, v.31, p.1256-1286.
- Percival, J. A. and McGrath, P.H. 1986. Deep crustal structure and tectonic history of the northern Kapuskasing uplift of Ontario: an integrated petrological–geophysical study; *Tectonics*, v.5, no.4, p.553-572.
- Percival, J. 2008. Field Guide to the Kapuskasing Uplift, Chapleau-Foleyet Transect: A window on the deep crust, in Geological Society of America Field Forum “Late Archean Crust: Magmatism and Tectonics of the Abitibi Subprovince, Canadian Shield” p. 46-76.
- Thurston, P.C., 1991, Archean geology of Ontario: Introduction, in *Geology of Ontario*, Ontario Geological Survey, Special Volume 4, Part I, p.73-78

APPENDIX I

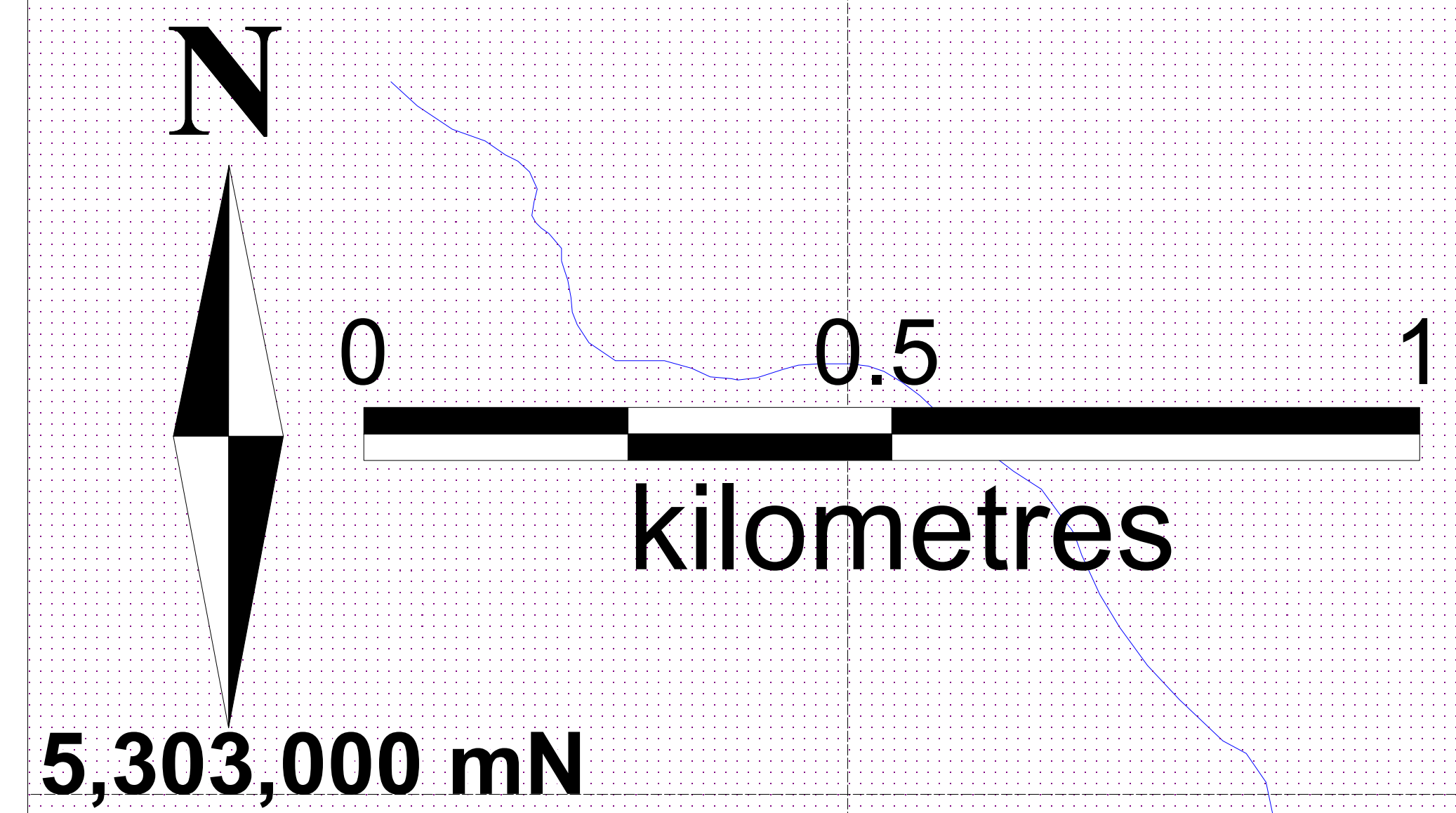
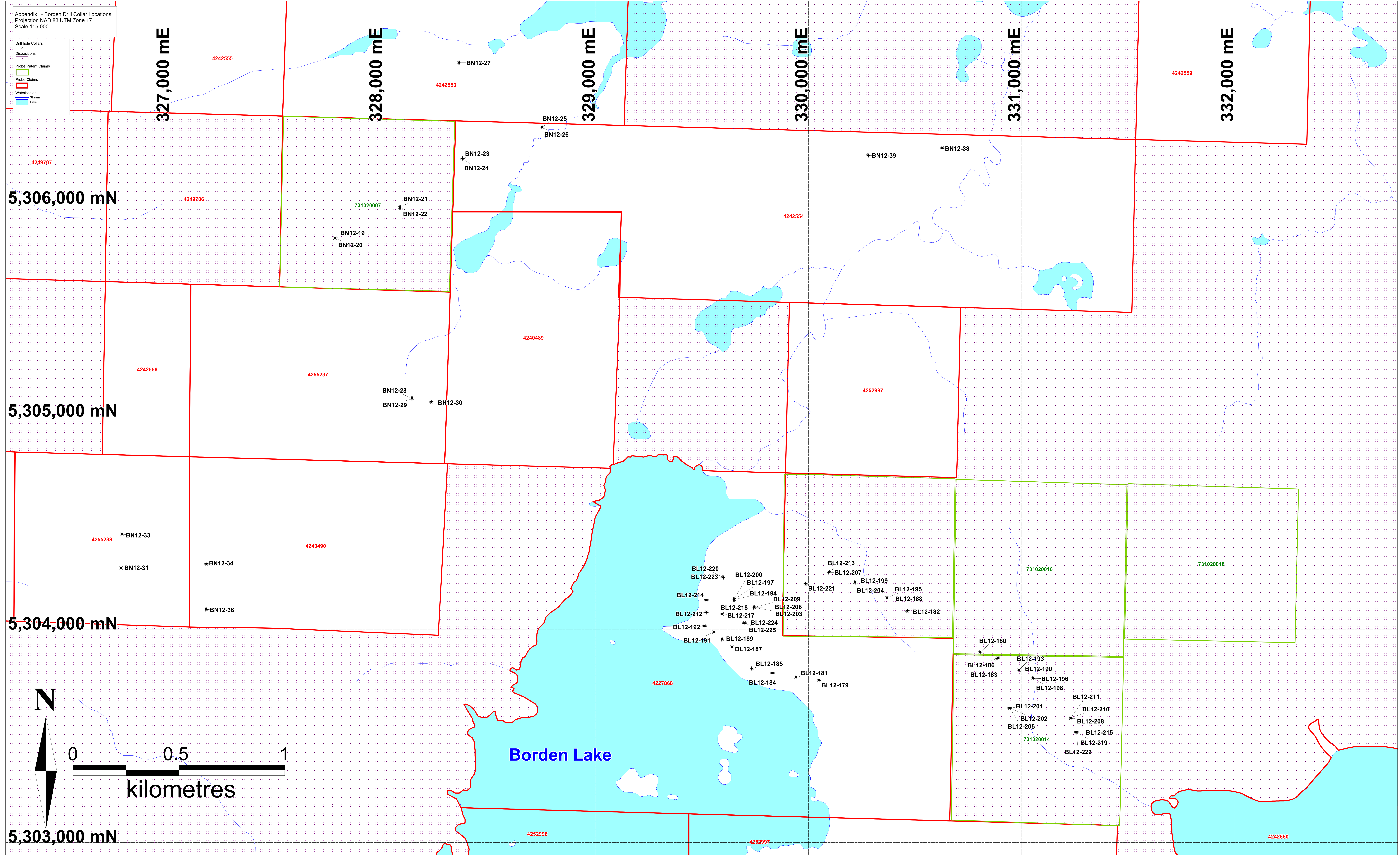
Large Scale Collar Location Map (1:5,000)

and

Drill hole Trace Plan Map (1:5,000)

Appendix I - Borden Drill Collar Locations
Projection NAD 83 UTM Zone 17
Scale 1: 5,000

Drill Hole Collars
Dispositions
Probe Patent Claims
Probe Claims
Waterbodies
Stream
Lake



Appendix I - Borden Drill Hole Traces
Projection NAD 83 UTM Zone 17
Scale 1: 5,000

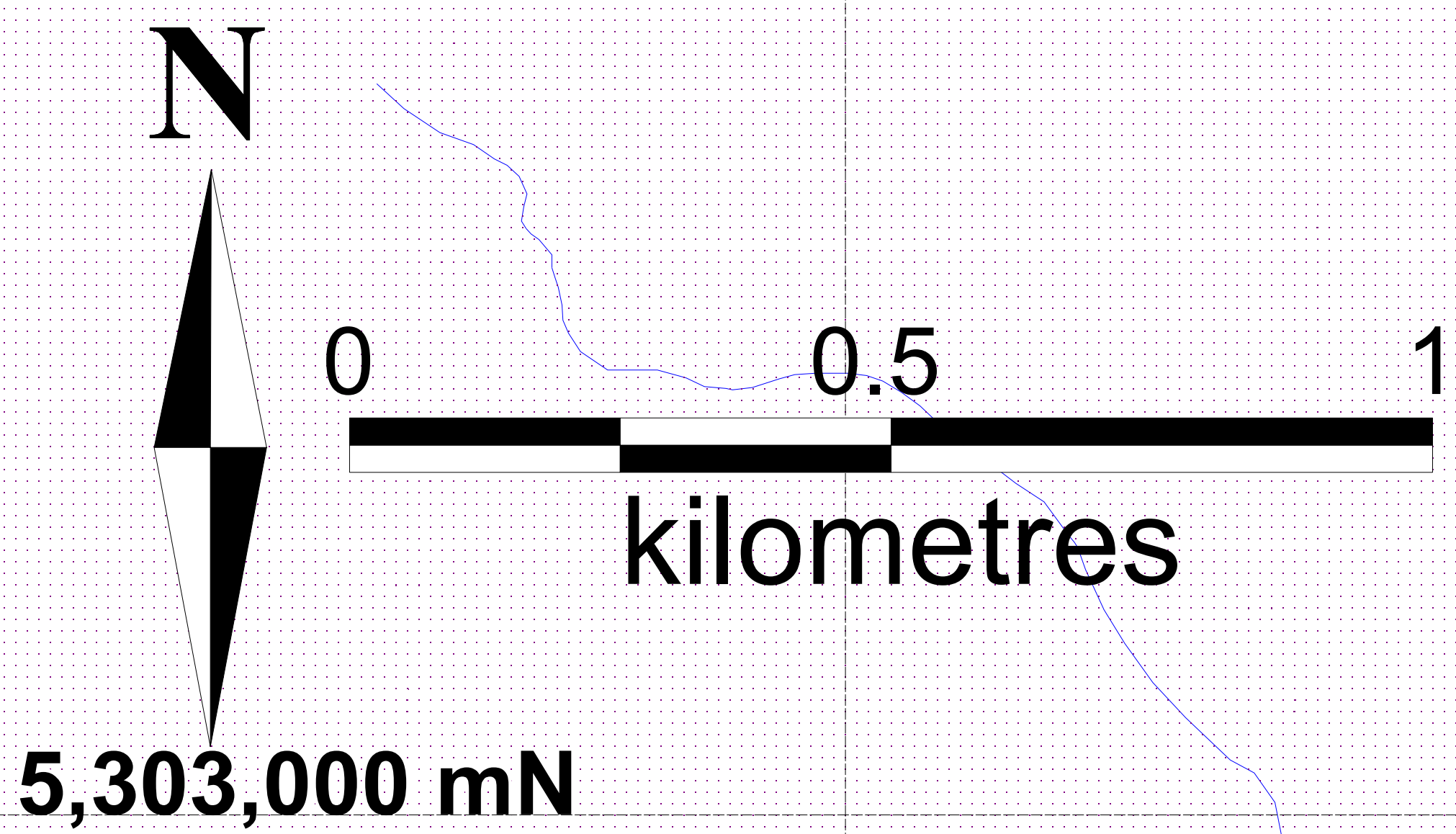
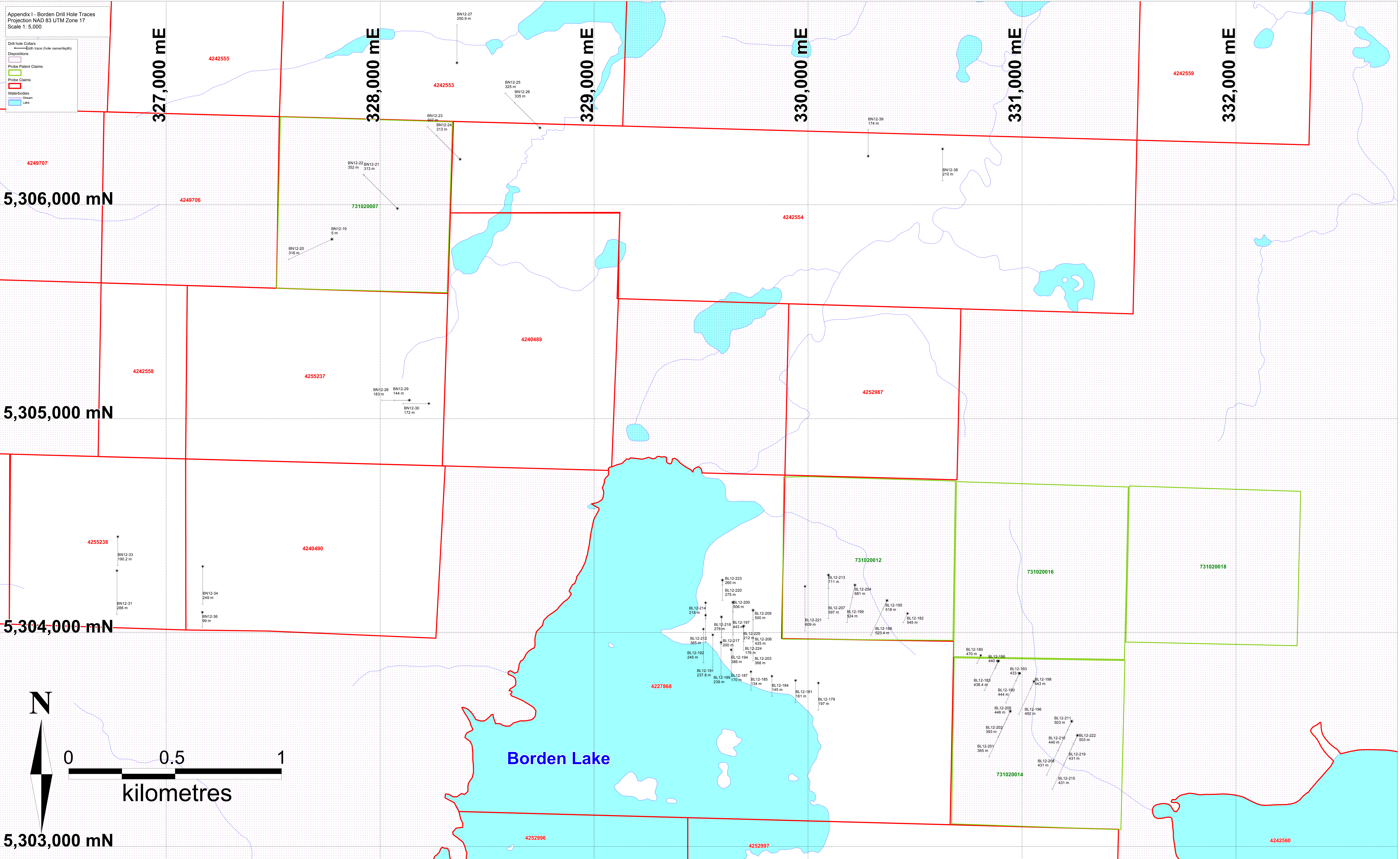
Drill Hole Collars
—●— (hole name/depth)

Dispositions
□ (hole name/depth)

Probe Patent Claims
□ (hole name/depth)

Probe Claims
□ (hole name/depth)

Waterbodies
Stream
Lake



APPENDIX II

Drill logs

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 197	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 12-Mar-12	Date Completed 14-Mar-12	Date Logged Mar.13-14 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 330048
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303764
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	6.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebs of pyrite and pyrrhotite. Patchy coarse grained muscovite.	50	5	1	1
6.4	7.9	Felsic Gneiss (G)		Coarse Grained		Patchy coarse grained muscovite associated with clots of granitic pegmatite.	5	0	1	Tr
7.9	25.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Fine grained disseminated and schlieren and fine-medium grained blebby pyrite-pyrrhotite. Coarser blebs of pyrite and pyrrhotite are associated with the margins of granitic pegmatite sections. Localized intermixed sections (>1m) of granitic pegmatite and granitic felsic gneiss.	55	5	1	1
25.0	27.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Fine grained patchy sulfides predominantly associated with sections of increased biotite.	2	Tr	>1	Tr to >1
27.1	28.8	UMLAMP Dike	Black and white	Fine Grained	Massive	10 cm selvedge of garnet biotite felsic gneiss.				
28.8	29.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed clot of granitic pegmatite with coarse blebs of pyrrhotite and pyrite at its margin.	50	5	2	2
29.5	30.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Coarse grained blebby pyrite and pyrrhotite associated with sections of intermixed granitic pegmatite. Fine grained disseminated sulfides throughout the unit.	5 to 10	1	1	1
30.9	38.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Blebby, disseminated, and schlieren of pyrite and pyrrhotite. Localized coarse blebs and veinlets of pyrrhotite and pyrite. 34.8m- Granitic pegmatite clot with 3x3 cm bleb of pyrrhotite. Intermixed clots of granitic pegmatite.	55	2	2	2 to 3
38.6	39.8	UMLAMP Dike	Black and white	Fine Grained	Massive	10 cm selvedges of garnet biotite felsic gneiss.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
39.8	45.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized coarse grained blebs of pyrite and pyrrhotite associated with an intermixed section of granitic pegmatite. Localized intermixed granitic pegmatite clots.	55	5	3	1
45.3	47.1	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Patchy garnet porphyroblasts, and localized granite pegmatite.	5	>1	1	>1
47.1	49.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Patchy coarse blebs of pyrite and pyrrhotite predominantly associated with clots of granitic pegmatite.	50	2	2	1
49.8	54.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy vuggy sections.	30	0	Tr	Tr
54.7	58.7	Pegmatite	Green, orange, and			Selvages of garnet biotite felsic gneiss. Patchy coarse grained blebby pyrite.	5	>1	1	>1
58.7	59.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz clots.	30	0	Tr	Tr
59.7	70.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Blebby sulfides are associated with bands of biotite. Localized sections of potassic alteration.	10	Tr to	1	2
70.3	78.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized quartz and granitic pegmatite clots.	55	7	>1 to 1	>1 to 1
78.7	80.2	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Localized quartz clots.	2	0	Tr	Tr
80.2	93.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Localized spider veinlets with potassic and sericitic alteration haloes.	40	7	1	Tr
93.2	118.7	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Well Foliated	Localized sections of intermixed granitic pegmatite and amphibole felsic gneiss. Localized quartz spider veinlets with sericite alteration. Localized coarse grained sections.	20	0	1	Tr
118.7	125.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized coarse grained quartz clots.	25	0	1	Tr
125.3	127.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	15	0	>1	>1
127.8	129.0	Pegmatite	Grey and white			Coarse grained biotite booklets.	5	0	Tr	Tr
129.0	134.0	Felsic Gneiss (S)	Black and grey	Fine Grained	Moderately Well Foliated	Quartz-feldspar vein with localized sulphide blebs at 131.44m-131.50m. Moderate amount of quartz-feldspar veinlets. Moderate amount of disseminated sulphide towards lower contact. Localized amount of amphibolite sections (assembled to sulphide grains). Moderate amount of fine to medium phenocrysts sections.	15	0	tr to 1	1 to 2
134.0	136.6	Pegmatite	Grey, white, and pink	Medium-coarse	Porphyritic	Localized pyrite blebs.	5	0	tr to 1	1 to 2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
136.6	176.1	Amphibolite	Dark green, black and pink	Very Fine-fine grained	Moderately Well Foliated	Localized amount of blebby Pyrrhotite. Moderate amount of weblike quartz-feldspar veinlets. Unit characterized by fine to medium size garnet porphyroblasts to upper contact, and fine to coarser garnet porphyroblasts. Localised sedimentary felsic gneiss unit.	25	5 to 7	tr to 1	1 to 2
176.1	181.7	Felsic Gneiss (S)	Black and white	Fine-medium	Porphyritic	Localized pyrite,pyrrhotite blebs.Localized amount of amphibolite assemblages. Dark-whitish Quartz-Feldspar vein at 178.50m-178.61m.	15 to 20	0	tr to 1	1
181.7	197.0	Amphibolite	Dark green, black and pink	Very Fine-fine grained	Moderately Well Foliated	Small section of Ultramafic Lamprophyre at 187.4m-187.8m.Localized weblike quartz-feldspar veinlets.Localized section of sedimentary felsic gneiss (porphyritic). Localized amount of blebby sulphides.	25	5 to 7	tr to 1	1 to 2

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 470	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Town
Date Hole Started 12-Mar-12	Date Completed 16-Mar-12	Date Logged Mar13-Mar17, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 330807
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303893
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	6.8	Felsic Gneiss (G)	Grey and white	Medium-coarse grained	Weakly-moderately well foliated	Vuggy throughout leading to some blocky core areas, sericite(2-4%) and potassic(2-4%) altered mostly along stringer veins, oxidation weathering(2%), local amphibole zones(<3cm)	5 to 10	0	Tr	Tr
6.8	9.5	Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly-moderately	Amphibole part of main groundmass, sericite(2-3%) and potassic (2-3%) altered along striner veins	5 to 10		<1	<1
9.5	10.5	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	Vuggy leading to moderately blocky core, plagioclase in groundmass is potassic altered(5-10%), chlorite alteration(5%)	5 to 10	0	<1	Tr
10.5	27.8	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Weakly-moderately well foliated	Vuggy throughout but increasing towards lower contact, very blocky in bottom 7m of unit, amphibole is scattered throughout as part of groundmass but also has local zones(<5cm), sericite(2-4%), chlorite(5%) and potassic(1-3%) alteration	10 to 15	0	<1 to 1	<1
27.8	29.3	Felsic Gneiss (G)	Grey and white	Fine-coarsegraine	Weakly-moderately	Quartz fragment near upper contact with higher amphibole and pyrite mineralization, plagioclase subangular-subrounded and <1cm, <1% alteration	10 to 15	0	<1	Tr
29.3	32.3	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Weakly-moderately well foliated	Amphibole is part of groundmass and more abundant than the overlying/underlying sedimentary felsic gneisses, boarderline amphibole gneiss, chlorite(3-5%) alteration near amphiboles, potassic(2-4%) and sericite(1-3%) mostly concentrated within 50cm of upper contact	10 to 15	0	<1	<1
32.3	52.3	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Weakly-moderately well foliated	Amphibole part of main groundmass but can be in localized zones<3cm, sulphide mineralization higher in/around amphibole, vuggy throughout with moderately blocky core, clots(<1cm) of pyrite in quartz veins, sercite(1-2%) chlorite(2-4%) and potassic (1-2%) alteration	10 to 15	0	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
52.3	53.2	Amphibole Felsic Gneiss	Dark Grey	Fine-medium	Weakly Foliated	Vuggy and moderately blocky core, epidote<1%, chlorite alteration %%	10 to 15	0	1	<1
53.2	56.4	Felsic Gneiss (S)	Grey and Light Green	Fine-medium	Weakly-moderately	Heavily sercite altered(20-25%) with 5% potassic alteration, local amphibole zones with higher pyrite mineralization	10 to 15	0	<1	<1
56.4	61.5	Pegmatite	Light green and pink	Coarse-very coarse	Massive	Almost entirely potassic(50%) and sericitic(40%) altered barren of sulphides	<1	0	0	0
61.5	62.9	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	Vuggy with chlorite(5%) alteration, potassic alteration(1-2%) is concentrated within 20cm of upper/lower contacts	10 to 15	0	1 to 2	Tr
62.9	66.4	Pegmatite	Light green and pink	Coarse-very coarse	Massive	Similar to pegmatite in 56.4-61.6m interval but sercite/potassic alteration ratio is 50/45	1 to 3	0	0	0
66.4	68.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Vuggy with sercite(2%) and potassic(1-2%) alteration, the latter being restricted to 30cm within lower contact	10 to 15	0	<1 to 1	Tr
68.1	69.9	Pegmatite	Pink	Coarse-very coarse	Massive	75% potassic altered barren of sulphides save for on biotite crystals	1 to 3		Tr	0
69.9	79.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Pyrite mineralization is higher in amphibole zones, sercite(5%) chlorite(2-3%) and potassic(5%) alteration	10 to 15	0	<1 to 1	Tr
79.9	82.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium grained	Weakly-moderately well foliated	Intermixed with sedimentary felsic gneiss, sulphide mineralization is higher in amphibole zones, vuggy throughout with moderately blocky core within 1m of lower contact, chlorite(5%) and potassic (2-3%) alteration	10	0	1	Tr
82.7	95.2	Felsic Gneiss (S)	Grey and Light Green	Fine-medium	Weakly-moderately	Local biotite zones with clotty sulphide mineralization, biotite zones typically found near quartz veins/ fragments, 20-25% sercite alteration increasing towards lower contact	5 to 10	0	<1	<1
95.2	96.3	Altered Felsic Gneiss (S)	Light green	Fine-medium	Weakly-moderately	90% sercite and 5% potassic altered remaining is veining and weak sulphide mineralization, original groundmass is undiscernable	5 to 10		<1	Tr
96.3	97.9	Felsic Gneiss (S)	Grey and Light Green	Fine-medium	Weakly-moderately	Similar to sedimentary gneiss in 82.7-95.2m interval	10 to 15		<1	Tr
97.9	99.8	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	Vuggy with moderately blocky core, 1% epidote, 5-10% chlorite alteration with 2-4% potassic alteration	10 to 15		1 to 2	<1
99.8	113.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Amphibole gneiss from 101.2-101.5m with <1% sulphide mineralization, local amphibole and biotite zones(<2cm), amphibole zones show higher pyrite mineralization and biotite zones show higher pyrrhotite mineralization, potassic alteration 2% mostly within 1m of upper contact	10 to 15	0	<1 to 1	<1
113.9	117.4	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Fine grained unit with coarser and higher sulphide/biotite mineralization at the contacts of quartz veins/fragments, sulphides can also be seen as small clots <5 at those contacts, quartz veins show weak sercite alteration.	10 to 15		<1	<1
117.4	123.3	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Mineralogically similar to overlying felsic gneiss but groundmass is coarser, quartz veins/fragments similar to overlying as well, sercite(3-4%) and chlorite(1-2%) alteration	10 to 15		<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
123.3	143.3	Felsic Gneiss (S)	Dark Grey	Medium Grained	Weakly-moderately well foliated	Variable unit in terms of alteration, grain size(fine to medium) and sulphide abundance but since the variability is local and mineralogy of groundmass is consistent unit is not broken up into smaller sub units, sulphide abundance is 1-2% in bottom 3m but unit is generally well mineralized for a sedimentary felsic gneiss, local amphibole zones(<2cm) with chlorite alteration(1-2%), minor vugs throughout, potassic alteration(1-3%) but mostly concentrated in 137-141m interval, sericite alteration 5%	10 to 15	0	1	<1
143.3	151.0	Felsic Gneiss (G)	Variable Grey	Fine-medium	Massive-weakly	Potassic alteration in feldspars in groundmass and stringers veins(5-10%), minor vugs, amphibole part of main groundmass, trace chalcopryrite, sericite alteration (1-3%)	5 to 10		<1	<1
151.0	153.4	Clotty Felsic gneiss Amphibolite	Dark Green	Medium-coarse grained	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss, clotty amphibolite is vuggy with stringer veins, sedimentary gneiss is potassic altered(10%), sulphide mineralization is weak in both rock types	15 to 20	0	<1	<1
153.4	163.4	Felsic Gneiss (S)	Grey and pink	Fine-medium grained	Weakly-moderately well foliated	Local amphibole zones of clotty amphibolite (<10cm), no sulphide mineralization increase in these zones, vuggy throughout with moderately blocky core, potassic alteration(10-15%)	10 to 15	0	<1 to 1	<1
163.4	164.6	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss, amphibolite is finer grained towards lower contact, vuggy throughout and moderately blocky core, sulphide mineralization higher in gneiss zones, chlorite alteration(5%)	15 to 20	0	<1	Tr
164.6	171.1	Felsic Gneiss (S)	Variable Grey	Fine Grained	Weakly-moderately	Subrounded coarse(<3mm) plagioclase grains, vuggy and moderately blocky core throughout, potassic(5-10%) and sericitic(5%) alteration	10 to 15	0	<1 to 1	<1
171.1	179.8	Felsic Gneiss (S)	Grey and pink	Fine-medium grained	Weakly-moderately well foliated	Similar mineralogically to overlying unit but grains slightly finer grained and slughtly more foliated, 25cm barren quartz vein at upper contact with slight hematization, vuggy and moderately blocky throughout, potassic(20-25%) alteration increases towards lower contact, 5% sericite alteration	10 to 15	0	<1 to 1	<1
179.8	216.3	Clotty Felsic gneiss Amphibolite	Grey and Dark Green	Fine-coarse grained	Moderately Well Foliated	Weak sulphide mineralized unit, trace chalcopryrite found including fine grained 3-4cm clot at 199.4m, most plagioclase within the unit is potassic altered(10-15%), quartz veins/fragments also potassic altered, sericite alteration(20 to 25	0	Tr	Tr
216.3	225.5	Clotty Felsic gneiss Amphibolite	Grey and Dark Green	Fine-medium grained	Moderately Well Foliated	Subangular to subrounded coarse fragments of felsic gneiss found in upper 5m of unit, fragments are not aligned with foliation, bottom 4m of unit is more of an intermixing zone with the felsic gneiss, most of the sulphide mineralization occurs in the felsic gneiss, trace fine grained chalcopryrite in amphibolite	20 to 25	0	<1	Tr
225.5	231.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local coarse biotite zones with no increase in sulphide mineralization, sericite(2-3%) and potassic(2-3%) alteration	10 to 15	0	<1	Tr
231.1	243.5	Altered Felsic Gneiss (S)	Grey, green, and pink	Fine-medium grained	Weakly-moderately well foliated	Clotty amphibolite(<10cm) zones within 1.5 of lower contact and at 236.0m depth, 50-60% potassic and 10-15% sericitic alteration, alteration less prevalent within 1.5m of lower contact	5 to 10	0	<1	Tr
243.5	248.8	Clotty Felsic gneiss Amphibolite	Grey and Dark Green	Medium-coarse	Moderately Well Foliated	Local folding of foliation at lower contact, stringer veins throughout	20 to 25	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
248.8	250.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	20 cm clotty amphibolite section 249.7-249.9m, local coarse biotite zones, 3% potassic alteration	10 to 15	0	<1	<1
250.1	253.5	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Well Foliated	Interbanded with sedimentary felsic gneiss(1-<1cm), felsic gneiss is potassic altered (2-4%), local folding of foliation	15 to 20	0	Tr	Tr
253.5	254.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	70 cm felsic gneiss interval within clotty amphibolite, sericite(1%) and potassic(2%) alteration	10 to 15	0	<1	Tr
254.2	255.6	Clotty Felsic gneiss Amphibolite	Dark Grey	Medium-coarse	Well Foliated	Similar to clotty amohibolite in 250.1-253.5m interval	15 to 20	0	Tr	Tr
255.6	257.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local coarse biotite zones with increase in pyrite mineralization, sericite(1-2%) and potassic (3-4%) alteration	5 to 10		<1	Tr
257.9	259.5	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Amphibole is part of main groundmass, sericite(2-3%) and potassic(5%) alteration	15 to 20	0	<1	Tr
259.5	270.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Clotty amphibolite interval 267.0-267.3m with trace sulphide mineralization, local coarse biotite zones throughout and at contacts of quartz veins, quartz veins have fine grained clotty(<1cm) pyrite, potassic alteration(10%) is mostly concentrated in top 2.5m of unit, 1-2% sericite alteration	10 to 15	0	<1	<1
270.2	271.8	Diorite	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Subrounded elongate to foliation plagioclase grains are mostly potassic altered(20%), local biotite zones(<1cm)	10 to 15	0	Tr	Tr
271.8	274.9	Pegmatite	Grey, white, and pink	Coarse-very coarse grained	Massive	Bottom 30 cm is sedimentary felsic gneiss that is well foliated with 20-25% biotite and most of the sulphide mineralization(<1%), top 2m is 70-80% potassic altered barren of sulphides and poor of biotite, bottom 1m is 1-3% potassic altered with 5% coarse biotite and <1% sulphides	5 to 10		Tr	Tr
274.9	276.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Sericite alteration 2%	15 to 20		Tr	Tr
276.4	280.1	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Sedimentary gneiss intermixed with fine grained amphibole gneiss, pyrite veinlet mineralization occurs in amphibole gneiss, most of the sulphides in the unit(60-70%) occur in amphibole, chlorite alteration 5% and mostly in amphibole, sericite alteration	15 to 20	0	<1 to 1	<1
280.1	281.2	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Barren of sulphides	1 to 3		0	0
281.2	282.9	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with sedimentary gneiss, sedimentary gneiss has local biotite zones that contain the pyrrhotite mineralization, epidote(3%) present in amphibolite, 5% chlorite alteration	15 to 20	0	<1 to 1	<1
282.9	293.1	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Intermixed with amphibole rich zones, purple quartz found at 291.5m depth in white quartz veins with pyrite clots, sericite(2-4%) and chlorite(1-2%) alteration	15 to 20	0	1	<1
293.1	294.0	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Barren of sulphides	1 to 3		0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
294.0	302.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Nearly 50/50 in terms of amphibole and sedimentary gneiss intermixing, amphibole gneiss is more chlorite altered(10-15%) and richer in sulphides(60/40), sedimentary gneiss is potassic altered(2-3%)	15 to 20	0	<1 to 1	<1
302.7	304.9	Diorite	Grey, white, and pink	Medium-coarse	Massive-weakly	Plagioclase crystals have pinkish tinge, due to potassic alteration(20-25%)	10 to 15	0	<1	Tr
304.9	306.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local coarse biotite zones with clotty(<1cm) pyrite mineralization, 5-10% potassic alteration	15 to 20	0	<1 to 1	Tr
306.2	307.8	Pegmatite	Pink and white	Coarse-very coarse	Massive		1 to 3		<1	0
307.8	312.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Amphiboles medium grained crystals part of main groundmass, sulphide mineralization occurs in zones richer in biotite, 312-312.7m section is almost entirely potassic and sericite altered	10 to 15	0	<1	Tr
312.7	317.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Fine grained amphibole gneiss that grades into a more medium grain clotty amphibolite in bottom 1m, chlorite(3-5%) and potassic(5-10%) alteration	10 to 15	0	Tr	Tr
317.7	322.2	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Sedimentary gneiss with clotty amphibolite fragments, fragments vary greatly from <1-7cm, subangular to rounded, trace mineralization to 1-2% sulphide mineralization on the fragments, fragments make up 30-40% of overall unit, local biotite zones(<1cm) with increase in sulphide mineralization and trace garnets, sedimentary gneiss is 5-10% potassic altered while amphibole fragments are mostly unaltered	10 to 15	0	<1	<1
322.2	342.0	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Coarser grained at top of unit and grades to a finer grained towards the bottom, three 20-50cm potassic/sericite alteration zones found throughout where mineralization is not very discernable and sulphide mineralization is weak, local coarse biotite zones(<1-3cm) where sulphide mineralization is slightly higher but overall mineralization is fairly weak in unit, pegmatite fragments at bottom of unit that have clotty(<0.5cm) mineralization	10 to 15	0	<1	<1
342.0	342.8	Pegmatite	Pink	Coarse-very coarse	Massive	Sulphide mineralization found near biotite	2 to 4		<1	<1
342.8	347.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Local amphibole zones(<20cm) with heavy sulphide mineralization(up to 75%), these zones are often chlorite altered(5%)and can contain garnet, local biotite zones(<3cm) with increase in sulphide mineralization and garnet but amphibole zones host 70-80% of the mineralization in the unit, sericite alteration 2-3%	20 to 25	1 to 2	2 to 3	3 to 4
347.3	351.1	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Moderately Well Foliated	Local chlorite(5%) altered amphibole zones similar to above but sulphide mineralization is weak(<1-1%), local biotite zones(<2cm) with slight increase in pyrrhotite mineralization(<1%), sericite alteration(2-3%)	15 to 20	0	<1 to 1	<1
351.1	355.9	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Moderately Well Foliated	Overlying sedimentary felsic units(342.8-351.1) grade slowly into this one, grain size increases while sulphide, biotite and amphibole mineralization all decrease, bottom portion of unit is altered by the UMLAMP dike, sericite(2-3%) and potassic(2-3%) alteration	10 to 15		<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
355.9	356.6	UM\LAMP Dike	Black and white	Fine-medium	Dike					
356.6	358.4	Felsic Gneiss (S)	Grey and Green	Fine-medium	Massive-weakly	Dike fragments(<15cm) and 5% sericite alteration	5 to 10	0	<1	Tr
358.4	360.0	UM\LAMP Dike	Black and white	Fine-medium	Dike	Altered sedimentary gneiss between 359.3-359.6m				
360.0	366.1	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Local amphibole zones within 30cm of upper contact, barren 35cm quartz vein at lower contact, sericite alteration(2-4%)	10 to 15		<1 to 1	<1
366.1	368.5	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss, sulphide mineralization is heavier in chlorite(5%) altered amphibole zones(<1%)	10 to 15	0	<1	<1
368.5	383.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local biotite zones with coarse garnet within some(10%), biotite zones mostly located at contacts of quartz veins, sulphide mineralization is fairly weak and shows a slight increase in amphibole and biotite zones(<1%), sericite alteration 2-4%	10 to 15	<1	<1	<1
383.5	384.1	Pegmatite	Pink	Coarse-very coarse	Massive	Barren of sulphides	1 to 3		0	0
384.1	386.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixing of pegmatite and sedimentary gneiss in bottom 40cm, biotite within intermixing zone is medium to coarse and more abundant(30%), potassic alteration 3-5%	10 to 15		<1	<1
386.2	392.3	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Sedimentary felsic gneiss with local amphibole(<2cm), biotite (<5cm) and pegmatites (<30cm), amphibole zones are often chlorite altered(3-5%) and most of the pyrite mineralization(60%) is within these zones, local biotite zones have coarse mineralization, pegmatite fragments have an increase in biotite and pyrrhotite mineralization at the contacts, potassic(1-3%) and sericite(2-4%) alteration	20 to 25	0	<1 to 1	<1 to 1
392.3	399.6	Pegmatite	Green, white, and pink	Coarse-very coarse grained	Massive	Upper 1m and lower 1.5m of unit are a coarse grained whiteish pink sedimentary gneiss with trace sulphide mineralization and poor (<5%) biotite content, pegmatite seems to grade into this gneiss with no sharp contacts, pegmatite has very rich local biotite zones(<15cm) that host the sulphide mineralization for the pegmatite, 5-10% sericite alteration	10 to 15	0	<1	<1
399.6	402.6	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Sulphide mineralization is almost entirely within 10-20cm of upper and lower contacts, strong presence of epidote, potassic alteration 1-3%	15 to 20	0	Tr	Tr
402.6	404.3	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Very poor in biotite mineralization, potassic(1-3%) and sericitic(1-3%) alteration	<5		<1 to 1	0
404.3	406.9	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Upper 30cm is diorite, 3-5% epidote mineralization, local amphibole zones(<3cm) with chlorite alteration(3-5%), sericite alteration(3-5%)	10 to 15	0	<1	Tr
406.9	416.4	Felsic Gneiss (S)	Grey	Medium grained	Moderately Well Foliated	Pegmatite fragments(<20cm) with heavier biotite mineralization at contacts, sericite alteration (2-3%) mostly along stringer veinlets	10 to 15	0	<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
416.4	442.0	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Moderately Well Foliated	Local amphibole zones(<3cm) with chlorite alteration, 30cm clotty amphibolite fragment 437.9-438.2m that has weak sulphide mineralization, local coarse biotite zones(<5cm) where sulphide mineralization is fairly consistent with rest of unit, sericite(3-5%) and potassic(3-5%) alteration	10 to 15		<1	<1
442.0	444.9	Clotty Felsic gneiss Amphibolite	Dark Green	Medium-coarse grained	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss, felsic gneiss is only portion where trace pyrrhotite mineralization occurs, moderately blocky unit, chlorite(5-10%) and sericite(1-2%) alteration	15 to 20		<1	Tr
444.9	448.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Similar to sedimentary felsic gneiss in 406.9-416.4m interval	10 to 15		<1	<1
448.7	450.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Sedimentary felsic gneiss in 449.8-450.2m interval, sulphide mineralization is trace in both rock types, amphibole gneiss is fine grained and sedimentary is more medium, 3-5% chlorite alteration in amphibole gneiss, 1-2% sericite alteration throughout	10 to 15		Tr	Tr
450.6	452.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<1cm) within 20cm of lower contact, no sulphide mineralization increase, 5-7% sericite alteration	5		Tr	Tr
452.6	459.7	Amphibolite	Dark Green and Pink	Fine-coarse grained	Moderately Well Foliated	Garnets can be medium/coarse grained, rest of groundmass is fine medium, 3-5% sericite alteration	5 to 10	5 to 10	<1	<1
459.7	461.6	Altered Amphibolite	Light and Dark Green	Fine-medium	Weakly-moderately	95% sericite altered section, groundmass minerals are undiscernable save for <5% amphibole and <1% garnet		<1	0	0
461.6	470.0	Amphibolite	Dark Green and Pink	Fine-coarse grained	Moderately Well Foliated	Garnets are medium/coarse grained while amphibolite groundmass is fine grained, two 30cm patches of altered amphibolite similar to overlying altered unit, 5% chlorite and 5-7% sericite alteration. End of Hole	<5	15 to 20	Tr	0

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 180	Total Depth (m) 161	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 15-Mar-12	Date Completed 16-Mar-12	Date Logged Mar.16-17 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329942
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303776
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	12.5	Casing								
12.5	18.6	Amphibolite	Dark green, black and pink	Fine Grained	Moderately Well Foliated	Localized weblike quartz-feldspar veinlets.Moderate amount of sulphide blebs, stringers towards lower contact. Localized amphibole porphyroblasts near lower contact.Localized amount of broken core along the unit. Garnet biotite felsic gneiss section with moderate amount of disseminated sulphide fine grains, and blebs.	15	7	tr to 1	1 to 2
18.6	19.7	Pegmatite	Grey, white, and pink			localized amount of sulphide blebs.	5	0	tr to 1	tr to 1
19.7	34.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed pegmatite sections.Localized amount of muscovite.Localized amount of pyrrhotite clots.	35	10	tr to 1	1 to 2
34.5	36.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
36.0	39.5	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Weakly-moderately	Unit undergone extensive sericite, silification and minor potassic alteration from fluids associated eith abundant quartz spider veinlets.	5	0	Tr to >1	Tr to >1
39.5	43.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Coarse grained blebby textured sulfides dominant with fine disseminated crystals and schlieren present as well. Sulfides associated with sections of increased biotite content.	35	5	1	2
43.2	46.3	Diorite	Grey and white	Medium Grained	Massive	44.8-45.1- Selvedge of overlying garnet biotite felsic gneiss.	25	0	1	Tr
46.3	50.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Coarse clots of pyrrhotite are associated with granitic pegmatite clots. Localized fine grained disseminated and schlieren pyrite-pyrrhotite. Localized >10 cm clots of granitic pegmatite.	40	5	1	3
50.8	51.7	Diorite	Grey and white	Medium Grained	Massive	Intermixed quartz pegmatite clots.	20	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
51.7	53.7	Felsic Gneiss (G)	Variable Grey	Medium-coarse	Moderately Well Foliated	Localized potassically altered sections, mid-unit and near the lower contact.	10	1	1	Tr
53.7	56.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Abundant intermixed granitic pegmatite clots associated with coarse grained sulfide blebs.	35	5	2	1
56.8	59.7	Altered Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Extensive bands parallel to foliation of medium grained blebby pyrite-pyrrhotite. Unit has undergone fine grained silification.	5 to 10		2	2
59.7	61.4	Diorite	Grey and white	Medium Grained	Massive	Localized vuggy sections, and granitic pegmatite clots.	15 to 20	0	1	Tr
61.4	63.3	Pegmatite	Green, orange, and			Sulfides are associated with patchy crystals of biotite.	2	0	>1	1
63.3	84.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Localized blebby pyrite and pyrrhotite. Intermixed sections of barren granitic pegmatite (>30 cm), and fine grained amphibolite. Localized quartz spider veinlets. Unit is coarser grained near upper contact	35 to 40	7	1	1
84.9	90.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy disseminated and blebby crystals of pyrrhotite and pyrite. Localized granitic pegmatite sections and quartz spider veinlets.	10 to 15	0	>1	1
90.4	94.9	Felsic Gneiss (S)	Grey and white	Coarse Grained	Well Foliated	Intermixed clots of granitic pegmatite, and patchy fine grained sillmanite.	15	0	Tr	Tr
94.9	108.7	Felsic Gneiss (S)	Black and white	Medium Grained	Well Foliated	Intermixed granitic pegmatite predominantly near the lower contact.	25	0	>1	Tr
108.7	110.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
110.8	120.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized medium grained blebs of pyrrhotite and pyrite associated with quartz pegmatite clots.	10	0	>1	>1
120.9	126.7	Amphibolite	Dark\Light Green	Fine-medium	Weakly-moderately	121m- 1 cm vein of pyrrhotite. Localized medium blebs of pyrrhotite throughout unit.	5	Tr	Tr	1
126.7	135.7	Pegmatite	Grey, white, and pink			Barren granitic pegmatite.	5	0	Tr	Tr
135.7	136.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Intermixed fine grained amphibolite (10 cm).	40	5	>1	2
136.7	140.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	137.5-138m- footwall amphibolite. 138-138.5m -UMLAMP Dike.	15	1	Tr	>1
140.0	161.0	Amphibolite		Fine Grained		Patchy blebs of pyrrhotite. Localized interlayers of felsic gneiss (s).	5 to 10	10	Tr	1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 545	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 16-Mar-12	Date Completed 07-Apr-12	Date Logged Mar17-Apr7, 2012	Logged By Gabrielle Hosein; Daniela Marcoux		(m) degrees	Property Name Borden	Easting 330465
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304089
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	13.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Intermixed with a medium grained weakly foliated granitic felsic gneiss (10-15% of unit). Presence of calcite fragments and local medium grained, biotite rich patches. Medium grained plagioclase crystals increase downhole (15-20% of unit). Moderate sericitic (15%) and minor chloritic (4-5%) alteration. Gradational lower contact. Minor, fine-medium grained disseminated pyrite, blebs of pyrite associated with biotite patches. No visible pyrrhotite.	10 to 15	0	<1 to 1	Tr
13.1	18.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Minor presence of spider veinlets with potassic alteration haloes (2-3% of unit). Local quartz-calcite zone containing coarse grained biotite. Coarse grained blebby pyrite associated with local quartz-calcite zone. Presence of quartz fragments. Minor weathering and vuggy textures (<1%). Disseminated fine to medium grained pyrite.	15 to 20	0	<1 to 1	Tr
18.5	26.4	Felsic Gneiss (S)		Medium Grained	Moderately Well Foliated	Unit contains a moderate amount of medium grained plagioclase (30-35% of unit). Presence of cm-scaled amphibole felsic gneiss clasts (<<1%), predominantly between 25.7-26.4m. Barren white-pink quartz fragments (<<1%) with chlorite alteration at clast contacts.	15 to 20	0	<1	Tr
26.4	52.2	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Unit is intermixed with intervals of granitic felsic gneiss (10-15% of unit). Presence of a dark green and grey, medium grained, moderately well foliated amphibole felsic gneiss (38.5-38.9m). Quartz-calcite fragments (<2%). Fractured zone from 41.2-41.7m. Minor spider veinlets containing potassic and sericitic alteration haloes (<2% of unit). Presence of minor chloritic alteration (<<1%). Trace to minor disseminated pyrite.	10 to 15	0	<1 to 1	Tr
52.2	54.5	Amphibole Felsic Gneiss	Dark Green and grey	Medium Grained	Moderately Well Foliated	Presence of calcite fragments and local vein (<<1% of unit). Trace-minor disseminated pyrite, no visible pyrrhotite.	10	0	Tr to	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
54.5	143.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Same as previous. Interval of medium grained, moderately foliated amphibole felsic gneiss from 64.5-65.3m. Interlayered with conglomerate felsic gneiss (2-5%) prevalent between 111-116m. Diabase dike from 111.6-111.9m. Increasing presence of local biotite rich zones downhole. Medium grained blebby pyrite associated with potassically altered calcite fragment. White-pink, quartz fragments with potassic alteration (<1%) Increasing presence of spider veinlets with sericitic alteration haloes downhole (10-15% of unit). Chloritic (3-4% of unit) alteration throughout along with associated vuggy textures (<<1%) decreasing downhole.	15	0	<1	Tr
143.3	145.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Presence of spider veinlets with potassic (10%) and sericitic (5%) alteration haloes. Alteration disappears downhole. Trace to minor disseminated sulphides, no visible pyrrhotite.	5 to 10	0	<<1	Tr
145.6	172.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a fine to medium grained conglomerate felsic gneiss. Presence of a medium to coarse grained amphibole felsic gneiss 148-148.4m. Local chloritic (3-4%) alteration. Spider veinlets with sericitic alteration haloes (<1%). White, pink and green quartz and quartz-calcite fragments. Minor disseminated sulphides, dominantly pyrite, <<1% chalcopryite and trace pyrrhotite. Coarse grained, blebby pyrite associated with quartz fragments (169.9-171.8m).	15 to 20	0	1 to <2	Tr
172.4	176.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with white, massive quartz veins and fragments. Chloritic alteration present at quartz vein/fragment contacts. Disseminated pyrite is associated with sedimentary felsic gneiss layers. Quartz intervals contain trace to minor fine grained disseminated pyrite.	15 to 20	0	1	Tr
176.1	197.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Intermixed with a medium grained weak to moderately foliated conglomerate felsic gneiss. Local biotite rich zones (<1%). Presence of spider veinlets (1-<2%) with sericitic (3-4%) and potassic (2%) alteration haloes. Minor medium grained disseminated pyrite visible throughout. Blebby pyrite associated with biotite rich zones.	10 to 15	0	1	Tr
197.7	201.5	UMLAMP Dike	Dark Grey	Fine to Medium	Dike					
201.5	207.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Unit is altered by a blue-grey fluid (prevalent between 202.5 and 204m). Minor to moderate sericitic alteration (10%) prevalent from 204m to 207.5m. Local biotite rich zones. Minor disseminated pyrite.	15	0	<1	Tr
207.5	226.7	Altered Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	K-altered granitic felsic gneiss intermixed with a medium grained sedimentary felsic gneiss. Granitic gneiss contains 20% medium grained and 5% patchy muscovite. K-Altered sedimentary felsic gneiss from 222.3-223.9m. Local medium grained amphibole felsic gneiss intervals (5% of unit). White and green quartz fragments. Trace to minor sulphides, dominantly pyrite.	10	0	<1	Tr
226.7	238.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of white and green quartz fragments and veins (<2% of unit). Local biotite rich zones (<2%) and local chloritic alteration (1-<2%). Spider veinlets with potassic alteration haloes (3%). Minor sulphides, predominantly disseminated and blebby pyrite.	10 to 15	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
238.4	246.1	Clotty Felsic gneiss Amphibolite	Dark Green and Grey	Medium Grained	Moderately Well Foliated	Trace sulphides.	10	0	Tr	Tr
246.1	253.3	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Weak to moderate foliation	Intermixed with a medium grained granitic felsic gneiss. Spider veinlets with potassic alteration (20-25% of unit). Weak to moderately fractured. Minor disseminated sulphides, dominantly pyrite. No visible pyrrhotite.	10	0	<1	Tr
253.3	257.5	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Weak sericitic (2-3%) and potassic (<1%) alteration haloes. Minor disseminated pyrite.	10	0	<1	Tr
257.5	263.4	Altered Felsic Gneiss (G)	Grey and Pink	Medium Grained	Moderately Well Foliated	Intermixed with a K-Altered sedimentary felsic gneiss. Moderate potassic (15-20%) and sericitic (10%) alteration. Very fine grained sericitic and potassic altered section at 262.1-262.4m.	5 to 10	0	<<1	Tr
263.4	269.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Intermixed with an altered sedimentary felsic gneiss (10% of unit). Presence of potassic alteration (10-15%).	5 to 10	0	<1	Tr
269.6	275.1	Diabase Dike	Grey	Fine Grained	Dike	Unit is heavily fractured, contacts are not visible. Presence of a dark grey-pink medium grained sedimentary felsic gneiss from 270.2-270.5m. Blebby fine grained pyrite is present <<1%.and a grey-pink, fine grained altered sedimentary felsic gneiss from 274.6-274.8m. No visible sulphides in dike.	0	0	<<1	Tr
275.1	283.2	K-Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained granitic felsic gneiss. Unit is heavily fractured and broken. Trace disseminated sulphides, dominantly fine grained pyrite.	5 to 10		<<1	Tr
283.2	285.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Potassic fragments (1-2%) and chloritic alteration. Trace to minor disseminated sulphides, predominantly pyrite.	5 to 10		<1	Tr
285.0	291.2	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly Foliated	Interlayered with a medium grained sedimentary felsic gneiss. Minor sericitic and potassic alteration (<1%). Minor disseminated sulphides, dominantly pyrite.	10 to 15	0	<1	Tr
291.2	296.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixedwith a coarser grained sedimentary gneiss containing medium grained potassium feldspar grains. Presence of epidote alteration (green, fine to medium grained 1-<2% of unit). Minor fine grained, disseminated pyrite.	15	0	<1 to 1	Tr
296.2	306.2	Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intense potassic (30%) and sericitic (15%) alteration. Minor fracturing. Minor medium grained disseminated pyrite.	15 to 20	0	<1 to 1	Tr
306.2	318.0	Diabase Dike	Black	Fine Grained	Dike	Potassic altered granitic felsic gneiss (307.2-307.5m). Presence of minor sericitic alteration and pink-white carbonate veinlets (<<1%).				
318.0	329.9	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained, granitic felsic gneiss (<5%), 1-2% muscovite. Pink-white quartz veins and clasts (2%). Minor disseminated sulphides.	10	0	<1	Tr
329.9	336.2	Amphibole Felsic Gneiss	Dark Green and Grey	Medium Grained	Moderately Well Foliated	Presence of potassic alteration 20% of unit. Unit is weakly fractured between 332.5-334.2m. Trace sulphides.	5	0	Tr to	Tr
336.2	348.1	Altered Felsic Gneiss (G)	Grey, black and pink	Fine-medium grained	Weakly Foliated	Unit contains a medium grained granitic pegmatite (336.6-337.9m) and intervals of a medium grained K-Altered sedimentary felsic gneiss. 340.8-341m amphibole rich zone containing medium grained biotite and fine to medium grained blebby and disseminated pyrite. Trace to minor disseminated sulphides throughout, dominantly pyrite.	10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
348.1	381.2	K-Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Barren white quartz fragments and veins (5-10cm), 2% of unit. Trace to minor sulphides, predominantly medium grained cubic disseminated pyrite. 1% amphibole mineralization within 10m of lower contact, potassic alteration variable from 5% in 30cm intervals up to 60%, overall alteration is 25-30%	20	0	<1	Tr
381.2	382.6	Amphibole Felsic Gneiss	Dark Green and pink	Fine-medium	Moderately Well Foliated	Carbonate stringer veins(1%) and carbonate replacement within quartz veins(<1cm)(<1%), 3-5% potassic and 3-5% chlorite alteration,	10		<1	0
382.6	401.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Moderately blocky core , 1-2m intervals with coarse (<1cm) subrounded plagioclase crystals in the groundmass, sulphide mineralization in those intervals consistent with rest of unit, barren quartz veins(<1-5cm), 2-3% sericite and 2-3% potassic alteration, if you're reading this then you've passed the test, and you already know that im the best, but its worth repeating cause i now got your full attention and its worth more than a mention, cause when i do it up its said to be perfection, seriously though hope you're rereading this cause somehow i dont think people will appreciate my short freestyle on the database	10 to 15	0	<1 to 1	Tr
401.3	414.1	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Amphibole felsic gneiss intermixed with sedimentary gneiss (65/35), amphibole gneiss is 5-7% chlorite altered and contains 55-60% of the sulphide mineralization in the unit, sedimentary gneiss is slightly coarser than amphibole gneiss with 3-5% sericite alteration and still has 2-3% amphibole mineralization, unit grades (1m) into underlying sedimentary felsic gneiss.	10 to 15	0	<1 to 1	<1 to 1
414.1	418.7	Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated	Interlayered with sections of weak to moderate potassic alteration (30-35% of unit) and weak sericitic alteration (<2%). Presence of rounded coarse quartz crystals (2mm-5mm). Unit is potassically altered to a weakly foliated sedimentary felsic gneiss by underlying dike unit (418.4-418.7m). Disseminated sulphides are present throughout, however gradually decreases downhole.	5 to 10	0	1	1 to <2
418.7	419.4	Diabase Dike	Black	Fine Grained	Dike					
419.4	430.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Presence of potassic (419.4-424.7m, gradually decreasing downhole, approx. 15% of unit) and sericitic (15-20%) alteration haloes. Minor presence of quartz-carbonate veinlets (<5%). Local biotite rich zones (<2% of unit), chloritic alteration associated with biotite zones. Disseminated sulphides throughout, dominantly pyrite.	10	0	<1 to 1	<1
430.6	434.2	Amphibole Felsic Gneiss	Dark\Light green	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss (15%). Presence of chloritic alteration<5% and carbonate veinlets <2%. Minor disseminated sulphides.	10		<1	<<1
434.2	438.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local biotite rich zones. Presence of chloritic alteration, associated with biotite. Increase in medium to coarse grained plagioclase from 437.4-438.5m.	15	0	<<1	Tr to
438.5	442.8	Amphibole Felsic Gneiss	Dark Green and grey	Medium Grained	Moderately Well Foliated	Quartz-carbonate stringer veins. Presence of chloritic alteration <5%. 439.8m- blebs of fine to medium grained pyrite and pyrrhotite.	15	0	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
442.8	451.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Local biotite rich sections containing medium grained biotite. broken/fractured sections. Presence of weak sericitic alteration (3-5%), and chloritic alteration (2-4%). Quartz clasts and veins containing fine to medium grained pyrite blebs. Minor disseminated sulphides throughout.	10		<1	<1
451.5	459.1	Amphibole Felsic Gneiss	Dark Green and dark grey	Fine-medium	Moderately Well Foliated	Contains carbonate stringers and blebs (<2%). Presence of chloritic alteration (<1%). Minor sulphides, disseminated and associated with carbonate blebs.	5	0	<<1	<<1
459.1	468.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Medium to coarse grained sub-rounded plagioclase grains. Unit contains minor sericitic alteration haloes (2%). Minor sulphides throughout.	15	0	<1	<<1
468.6	486.5	Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	Same as previous, contains weak to moderate potassic alteration (3-5%). 479-479.3m: chloritic altered sedimentary felsic gneiss. 484.1-485.8m: fine-medium grained sedimentary felsic gneiss, increased biotite content (10-<15%). 485.8-486.5: sedimentary felsic gneiss intermixed with a granitic felsic gneiss, presence of 5% coarse grained quartz and 2% muscovite. Minor disseminated and clotty sulphides associated with granitic felsic gneiss and chlorite alteration.	10	0	<1	<<1
486.5	490.1	UM\LAMP Dike	Grey and white	Fine Grained	Dike	486.9-487.6m: altered (potassic 2%) sedimentary felsic gneiss containing 10% biotite and quartz clasts (1-2%). 487.6-488.5m: intermixed section of UM/LAMP Dike and brecciated sedimentary felsic gneiss. Unit is weakly fractured. Fine grained clots of pyrrhotite associated with quartz clasts in sedimentary felsic gneiss.				
490.1	505.0	UM\LAMP Dike	Dark Grey and white	Fine Grained	Dike	491.5-491.9m: sedimentary felsic gneiss containing 1-2% biotite and 1% chloritic alteration. 491.9-493.3m: UM/LAMP dike containing weak to moderate chloritic alteration (4-5%). 500.5-500.7m: medium grained sedimentary felsic gneiss.				
505.0	509.1	UM\LAMP Dike	Grey and white	Fine Grained	Dike	Unit contains intervals of fine to medium grained, moderately foliated sedimentary felsic gneiss. No visible sulphides.				
509.1	518.7	UM\LAMP Dike	Grey and white	Fine Grained	Dike					
518.7	520.3	Amphibole Felsic Gneiss	Dark Grey and dark	Fine Grained	Moderately Well Foliated	519.4-520.3m: interval of amphibole felsic gneiss containing local sections of amphibolite. 520.1-520.3m: UM/LAMP Dike	5	0	Tr	<<1
520.3	524.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with amphibolite (520.3-521.5m, 523.7-524.2m). Sections of amphibolite contain chlorite (1-2% of unit). Trace sulphides associated with chlorite.	5 to 10		Tr	Tr to
524.2	526.5	UM\LAMP Dike	Grey and white	Fine-medium	Dike					
526.5	536.9	Amphibolite	Dark\Light green and pink	Medium Grained	Moderately Well Foliated	Presence of moderate chloritic alteration (4-5%). Contains intervals of UM/LAMP Dikes (533.8-534.2m, 534.4-534.6m, 535.3-535.9m). Unit contains local zones that are moderately fractured.	<5	15	<<1	Tr to <<1
536.9	538.4	UM\LAMP Dike	Grey and white	Fine Grained	Dike	Interval of amphibolite from 538-538.4m.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
538.4	539.5	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Same as previous, no visible sulphides.	<2	10	Tr	Tr
539.5	540.6	UM\LAMP Dike	Grey and white	Fine Grained	Dike					
540.6	545.0	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Same as previous. Trace to minor sulphides, pyrite associated with chloritic alteration. End of hole.	<2	15 to 20	<1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 438	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Town
Date Hole Started 17-Mar-12	Date Completed 05-Apr-12	Date Logged Mar18-Apr 5 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 330888
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303865
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden				
3.0	29.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Amphibole in unit is part of main groundmass, as bands(<2cm) and amphibole felsic gneiss subunits as well(20-40cm), subunits have 1% pyrite and 2-5% chlorite alteration, clotty(<1cm) sulphide mineralization occurs mostly at contacts of quartz veins, chlorite alteration(2-4%) mostly found with amphibole mineralization, grain size can be slightly coarse locally but mostly fine-medium throughout, 2-3% sericite 3-5% potassic alteration	10 to 15	0	<1	0
29.8	31.9	Felsic Gneiss (G)	Grey and white	Fine-medium	Massive-weakly	Subangular plagioclase crystals, amphibole banding <1cm with slight increase in pyrite mineralization(<1%)	10 to 15		<1	0
31.9	72.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar to sedimentary felsic gneiss in 3.0-29.8m interval, unit is vuggy and moderately blocky in areas	10		<1	0
72.4	75.1	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	Moderately blocky with minor vugs, 5% chlorite alteration	10 to 15	0	1	0
75.1	76.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Intermixed with amphibole gneiss(2% chlorite alteration), 3% sericite alteration	15 to 20	0	<1	0
76.9	88.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium grained	Weakly-moderately well foliated	Similar to amphibole gneiss in 72.4-75.1m interval, clotty(<1cm) mostly occurs in quartz veins, vugs mostly restricted to upper 5m of unit, 1-2% potassic alteration in quartz veins/fragments	10 to 15	0	1	0
88.7	103.2	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Weakly-moderately well foliated	Local amphibole zones with chlorite alteration(1-4%) and fine-coarse grained pyrite, 20cm barren quartz vein, local patches of increased grain size(boarderline coarse) but no increase in pyrite mineralization	10	0	<1 to 1	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
103.2	141.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Groundmass grain size is coarser than overlying sedimentary gneisses, plagioclase crystals are distinct and subrounded throughout, vugs throughout including large(1.5cm diameter) vug that cross cuts the entire core, moderately blocky core, presence of amphibole increases towards lower contact, pyrite mineralization is strong in upper half(1-2%) but decreases in lower half(<1%), 1-2% potassic, sericite and chlorite alteration,	10 to 15	0	1	Tr
141.6	143.0	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Weakly-moderately well foliated	Coarse (<2cm) subangular quartz fragments(1%) found in groundmass, coarse biotite/amphibole mineralization at contacts, single pyrrhotite clot(1cm) in quartz vein at lower contact,	10 to 15	0	<1	Tr
143.0	145.7	Felsic Gneiss (S)	Grey and Green	Medium Grained	Weakly-moderately	Intermixing of sedimentary gneiss and clotty amphibolite, amphibolite vuggy with 1-3% potassic alteration in plagioclase and 2-3% chlorite alteration	10 to 15	0	<1	0
145.7	148.0	Clotty Felsic gneiss Amphibolite	Dark Green	Medium-coarse	Moderately Well Foliated	Vuggy and moderately blocky, 1% epidote, 30cm quartz vein near lower contact with navy bluish alteration at contact, 3-5% chlorite alteration	15 to 20	0	<1	0
148.0	160.9	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Vuggy and moderately blocky, clotty amphibolite from 152.5-153m with <1-1% pyrite, quartz vein from 156.9-157.6 with clotty pyrite and coarse mineralization at the contacts, 2-3% sericite alteration	10 to 15	0	<1	Tr
160.9	182.6	Clotty Felsic gneiss Amphibolite	Dark Green	Medium-coarse grained	Weakly-moderately well foliated	0.4m lost at 172-173m depth due to grinder, coarse sedimentary gneiss from 178.9-179.4m with fine grained clotty pyrite, felsic gneiss banding(<3cm) occurs in bottom 3m of unit, last meter of unit is fine/medium grained, 2-4% potassic alteration	15 to 20	0	Tr	0
182.6	205.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Vuggy and blocky in upper 3m if unit, <1% epidote, biotite banding(<1cm), pyrite clots at contacts of quartz veins, veins are 15-20% potassic altered, coarse mineralization potassic altered zone between 197.7-198.1m, more altered section between 187.5-189.6m with 50% sericite and 10% potassic alteration, <10cm amphibole zones within 6m of lower contact, pyrite mineralization decreases towards lower contact, 5-10% sericite and 5-10% potassic alteration overall	10 to 15	0	<1	
205.4	207.1	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately well-well	Potassic altered sedimentary felsic gneiss banding(<1cm)	15 to 20	0	Tr	0
207.1	215.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Upper 3m is vuggy, moderately blocky with coarser subrounded plagioclase and patches of amphibole, biotite banding with slight increase in pyrite mineralization but sulphide is still weak overall, 5-10% sericite and 3-5% potassic alteration decreasing downhole	10 to 15	0	<1	0
215.3	216.5	Pegmatite	Green, white, and pink	Coarse-very coarse	Massive	Massive pegmatite barren of sulphides	<1		0	0
216.5	220.9	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Coarse biotite mineralization within 20cm of lower contact with 5% amphibole and no increase in sulphide mineralization, 10-15% sericite and 3-5% potassic alteration	10 to 15		<1 to 1	Tr
220.9	226.3	Felsic Gneiss (S)	Grey and Green	Fine-coarse grained	Moderately Well Foliated	Intermixed with pegmatite, pegmatites are massive coarse grained, pink and barren of sulphides, 3-5% sericite and 10-15% potassic alteration	10 to 15	0	<1	Tr
226.3	237.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Vuggy and moderately blocky, amphibole typically found in vuggy areas, 50cm pegmatite at lower contact with clotty sulphides, 5% chlorite alteration	10 to 15	0	<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
237.3	253.0	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Mineralogically similar to overlying sedimentary felsic gneiss but groundmass grains coarser, pyrrhotite mineralization mostly occurs with amphibole mineralization, pyrite mineralization is consistent throughout, 2-5% sericite alteration	10 to 15	0	1	<1 to 1
253.0	259.1	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Intermixing of amphibole and sedimentary gneiss, sedimentary gneiss is similar to overlying, amphibole gneiss is finer grained and richer in sulphide mineralization, barren quartz veins with clotty pyrite mineralization at the contacts, 5-7% chlorite alteration	10 to 15		1	<1 to 1
259.1	260.8	Diorite	Grey, white, and pink	Fine-coarse grained	Weakly-moderately	Subrounded plagioclase grains, 50-60% of those grains are potassic altered	10 to 15	0	Tr	0
260.8	268.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixing unit similar to 253.0-269.1m interval, local biotite banding (<1cm) in sedimentary gneiss zones, 3-5% sericite, 1-2% sericite alteration	10 to 15	0	1 to 2	<1 to 1
268.0	271.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sedimentary gneiss unit similar to overlying and underlying mixed zones but trace amphibole over interval, clotty pyrite mineralization at contacts of quartz veins/fragments	10 to 15		<1 to 1	<1
271.4	278.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Intermixing unit similar to 253.0-259.1m interval but with more sedimentary gneiss and less sulphide mineralization as a result, trace chalcopyrite, 1-3% potassic alteration within 1m of lower contact, 1-3% chlorite alteration	10 to 15	0	<1 to 1	<1
278.0	279.1	Pegmatite	Pink and White	Coarse-very coarse	Massive		1 to 3		Tr	0
279.1	281.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	3-5% chlorite and 5-7% potassic altered, essentially zero sulphide mineralization	10 to 15	0	Tr	0
281.6	282.9	Pegmatite	Pink and White	Coarse-very coarse	Massive-weakly	Coarse sedimentary gneiss for 10-20cm at upper and lower contacts	1 to 3		Tr	0
282.9	284.2	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Similar to amphibole gneiss in 279.1-281.6m interval	10 to 15	0	Tr	0
284.2	299.0	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Coarse sedimentary gneiss unit intermixed with pegmatite in some areas, 1-3% muscovite, plagioclase dominated, sulphide mineralization increases towards lower contact, 1% galena 298.6-298.7m, 5-10% potassic alteration mostly in vicinity(<30cm) of pegmatite, and 2-3% sericite alteration	10	0	<1	Tr
299.0	300.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixing unit similar to 253.0-259.1m interval, 20cm altered section at upper contact(potassic and sericite), 3-5% chlorite alteration	10 to 15	0	1	1
300.6	304.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Fine grained matrix that grades to more medium towards lower contact, subrounded coarse(up to 5cm elongate) plagioclase crystals aligned along foliation, biotite mineralization at the contacts of these coarse crystals, garnet mineralization occurs in 301.5-301.7m interval within a local biotite and amphibole zone and no sulphide mineralization increase, trace garnets also found along thin(1mm) biotite bands, 2-4% sericite alteration	15 to 20	<1	<1 to 1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
304.6	309.6	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Moderately Well Foliated	Local biotite zones(<5cm) with slight increase in pyrite mineralization, altered section(306.4-306.6m) where main groundmass is not discernable but trace fine grained disseminated pyrite is found, 1-3% potassic alteration	5 to 10		<1	<1
309.6	311.2	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Intermixed with amphibole felsic gneiss, local biotite zones(<1cm) with slight increase in sulphide mineralization, 5-10% chlorite alteration present in amphibole zones	15 to 20	0	<1	<1
311.2	314.0	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Biotite mineralization increases towards lower contact and unit grades from a lighter to a darker grey with the slight increase in biotite mineralization	10 to 15	0	<1 to 1	<1
314.0	323.0	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium grained	Weakly-moderately well foliated	Clotty sulphide mineralization occurs in quartz veins/fragments that are mostly potassic altered in this unit, pyrite mineralization increases slightly downhole, 5% chlorite alteration	10 to 15	0	<1	Tr
323.0	331.2	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Intermixed with amphibole that is often chlorite altered, sulphide mineralization is stronger in amphibole zones, local biotite zones(<5cm) with increase in pyrrhotite mineralization, purple quartz mineralization 323.0-323.3m,	15 to 20	0	1	<1
331.2	332.4	Pegmatite	Grey and white	Coarse-very coarse	Massive-weakly	Intermixed with coarse sedimentary gneiss, local biotite zones at upper and lower contact, sulphide mineralization occurs around biotite, 1-2% potassic alteration	15 to 20	0	<1 to 1	<1 to 1
332.4	345.3	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Pegmatite fragments(<1m) throughout, pegmatites are whiteish pink with coarse-very coarse grains and trace mineralization, sedimentary gneiss has local biotite zones(<10cm) as well as amphibole banding, sulphide mineralization increases slightly in these zones, 1-3% chlorite alteration associated with amphibole, 3-5% sericite and 3-5% potassic alteration	15 to 20	Tr	<1 to 1	<1 to 1
345.3	352.7	Pegmatite	Grey, white, and green	Coarse-very coarse grained	Massive	Intermixed with coarse sedimentary felsic gneiss within 1m of upper and lower contact, biotite mineralization occurs mostly in local zones(<10cm) that are rich in clotty sulphides(2-3%), 5-10% sericite and 2-4% potassic alteration	15 to 20	0	<1 to 1	<1 to 1
352.7	359.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with whiteish grey coarse grained pegmatite fragments(<30cm), local biotite zones(<10cm) and banding including some with garnet mineralization, sulphide mineralization increases slightly in these zones, 5% sericite alteration	15 to 20	Tr	<1 to 1	<1 to 1
359.3	361.7	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Local coarse zones of biotite, garnet mineralization occurs throughout, 5-10% muscovite, small (<5cm) potassic altered pegmatite salvages	30 to 35	1 to 3	1	1
361.7	366.0	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Moderately Well Foliated	Intermixed with coarse grained pegmatite, biotite crystals are coarser at the contacts of pegmatites with an increase in sulphide mineralization, pegmatites are lightly potassic and sericite altered while gneiss is essentially unaltered	20 to 25	0	<1 to 1	<1 to 1
366.0	371.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Intermixing between fine/medium grained zones, medium zones poorer in biotite abundance and garnet mineralization, trace chalcopyrite, 1-2% chlorite alteration	10 to 15	<1	<1 to 1	1
371.2	373.7	Felsic Gneiss (G)	Grey and white	Medium-coarse	Weakly-moderately	Subangular plagioclase grains within matrix, local biotite zones(<3cm)	10 to 15	0	<1	Tr
373.7	378.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Similar to felsic gneiss in 366.0-371.2m interval, noticeable less pyrrhotite and 2-3% sericite alteration	10 to 15	<1	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
378.2	382.6	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately well-well Foliated	Middle of unit is intermixed with sedimentary gneiss(<20cm sections), slight increase in pyrite mineralization and heavier biotite mineralization at those sections, carbonate stringers within amphibolite, 1-2% potassic alteration	10 to 15	0	<1	Tr
382.6	397.5	Felsic Gneiss (S)	Grey	Fine- medium grained	Moderately well-well Foliated	Alteration zone 384.7-386.7m with 15-20% sericite alteration and 2-3% carbonate replacement, 5-7% in remaining section, local coarse biotite zones throughout(<2cm), 20cm quartz vein 386.4-386.6m with pyrite mineralization all along contact, 2-3% chlorite alteration with clotty(<0.5cm) sulphides and amphibole (1-2%) in those alteration zones	10 to 15	0	<1 to 1	Tr
397.5	404.1	Felsic Gneiss (S)	Grey and Green	Fine- medium grained	Moderately Well Foliated	Intermixing of sedimentary gneiss and footwall amphibolite, sedimentary gneiss is fine grained and rich in biotite(15-20%), 5-10% sericite alteration, 3-5% chlorite alteration found in amphibolite zones	10 to 15	3 to 5	<1	Tr
404.1	407.5	Felsic Gneiss (S)	Grey and white	Medium- coarse grained	Moderately Well Foliated	Local biotite zones(<1cm), amphibolite section from 407.0-407.3m with 2-3% chlorite alteration, pyrrhotite mineralization is mostly restricted to this area, 10-15% sericite alteration in unit	5 to 10	<1	<1	<1
407.5	409.9	Felsic Gneiss (S)	Grey and Green	Fine- medium	Moderately Well Foliated	Intermixing of sedimentary gneiss and footwall amphibolite similar to unit in 397.5-404.1m interval, 3-5% chlorite and 1-3% sericite alteration	10	1 to 2	<1	<1 to 1
409.9	414.5	Amphibolite	Dark Green	Fine- medium	Moderately Well Foliated	Footwall amphibolite, amphibole/biotite groundmass is fine-medium grained while garnets can be fine-coarse, 3-5% sericite and 5-7% chlorite alteration	10 to 15	10	Tr	<1
414.5	415.6	Felsic Gneiss (S)	Grey	Fine- medium	Moderately Well Foliated	Small felsic gneiss interval within amphibolite with trace sulphide mineralization, 3-5% sericite alteration	10 to 15	0	Tr	Tr
415.6	428.8	Amphibolite	Dark Green	Fine- medium	Moderately Well Foliated	Similar to amphibolite in 409.9-414.5m interval, trace chalcopyrite, 7-10% sericite and 5-7% chlorite alteration	10 to 15	10 to 15	Tr	<1
428.8	433.4	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	10-15% sericite altered pegmatite barren of sulphides	1 to 3%	0	0	0
433.4	438.4	Amphibolite	Dark Green	Fine- medium	Moderately Well Foliated	Similar to amphibolite in 409.9-414.5m interval, sericite(10-15%) altered sedimentary gneiss in upper 0.8m, 3-5% chlorite alteration. End of Hole.	10 to 15	5 to 10	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 180	Total Depth (m) 145	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 17-Mar-12	Date Completed 18-Mar-12	Date Logged Mar.18 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329831
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303796
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	20.2	Casing								
20.2	27.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Fine-medium grained blebby and wispy pyrite with minor fine grained pyrrhotite.	40	15	1 to 2	<1
27.3	33.9	Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Unit is likely an altered and or retrograde garnet biotite felsic gneiss with biotite replaced by amphibolite. Intermixed unaltered sections of garnet biotite felsic gneiss.	5	5	1	1
33.9	45.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Intermixed sections of granitic pegmatite (<30 cm).	35	5 to 7	<1 to 1	1
45.8	50.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately well-well	Localized medium grained blebs of pyrite-pyrrhotite. Intermixed sections of granitic felsic gneiss and quartz clots, and veinlets.	30 to 35	5	1	1
50.7	53.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized veins of biotite, and chlorite alteration. Patchy quartz clots. Unit could possibly be a silicified section of over and underlying garnet biotite felsic gneiss.	10 to 15	1	<1 to 1	Tr
53.4	63.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately well-well Foliated	Localized coarse blebs and veins of pyrite and pyrrhotite associated with sections of granitic pegmatite. Fine grained disseminated and blebby crystals of pyrite pyrrhotite present as well.	40	5	2	2
63.1	67.1	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized medium grained blebs of pyrite associated with intruding granitic pegmatite.	20	1	1 to 2	<1
67.1	70.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed barren granitic pegmatite.	25	0	<1 to 1	Tr
70.3	73.3	Pegmatite	Green, orange, and			Localized very coarse grained blebs of pyrite. Intermittent selvages of garnet biotite felsic gneiss most prevalent at the upper and lower contact.	10 to 15	1	2	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
73.3	83.2	Garnet Biotite Felsic Gneiss	Grey, white, black and	Medium Grained	Well Foliated	Increased sulfides in sillimanite poor sections. Localized quartz clots and veins.	35	7	<1	Tr
83.2	110.7	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	89.5, 94.5, 96m - Intermixed granitic pegmatite sections associated with coarse blebby pyrite. 96.4, 99.5-100, 106.7-107.4m - UM\LAMP Dike sections. Localized biotite rich sections with associated increase in sulfide content.	15 to 20	1	1 to 2	<1
110.7	114.2	Pegmatite	Grey, white, and pink			Barren granitic pegmatite.	5	0	Tr	Tr
114.2	133.1	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz clots.	25	0	>1	Tr
133.1	145.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized quartz clots, and blebs of pyrrhotite.	5	5	Tr	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 437	Bearing of Hole from true North 180	Total Depth (m) 134	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 18-Mar-12	Date Completed 04-Apr-12	Date Logged Mar.19-Apr.4 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329733
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303817
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.4	Casing								
13.4	20.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections associated with coarse grained blebs of sulfides. 13.4-14m- Diorite.	45	3	1	1
20.0	25.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermittent granitic pegmatite sections, and localized biotite rich sections (<10 cm).	5	10	<1	Tr
25.3	37.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Numerous sections of intermixed granitic pegmatite associated with coarse grained blebs of pyrite-pyrrhotite.	40	5	1	1
37.7	44.0	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz veins with associated vuggy sections.	5	1	<1 to 1	<1 to 1
44.0	46.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized fine grained schlieren pyrite and pyrrhotite.	35	5	1	1
46.7	47.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Localized sections of potassic alteration and granitic pegmatite.	10	0	1 to 2	Tr
47.9	61.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Localized quartz clots.	35	4	1	1
61.3	65.8	Diorite	Grey and white	Medium Grained	Massive	Localized quartz clots.	25	0	<1	Tr
65.8	66.9	Pegmatite	Grey, white, and pink			Localized selvages of garnet biotite felsic gneiss.	5	0	1	Tr
66.9	72.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized coarse grained blebs of sulfides associated with quartz clots.	40	5	1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
72.5	89.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized medium grained blebs of pyrite-pyrrhotite associated with intermixed quartz clots. Localized quartz spider veinlets and diorite sections.	15	0	<1 to 1	<1 to 1
89.2	100.8	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed quartz pegmatite clots.	15	0	Tr	1
100.8	102.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
102.6	106.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed granitic pegmatite clots, and amphibolite sections.	15 to 20	0	Tr	Tr
106.3	116.1	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Localized blebby pyrrhotite.	5	Tr	Tr	1
116.1	119.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
119.1	131.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz spider veinlets.	25	0	<1	Tr
131.7	134.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized coarse grained garnet porphyroblasts.	5	10	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 440	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Town
Date Hole Started 05-Apr-12	Date Completed 08-Apr-12	Date Logged Apr 6-Apr 9, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 330891
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303867
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden, 2m core lost				
3.0	29.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Moderately blocky core and lightly vuggy, quartz veins/fragments (<1cm grain size) with clotty pyrite, <1% epidote, 11.4-18.2m interval contains hematite alteration (5-10%) and has 1-2% amphibole, most of the pyrrhotite mineralization for the unit occurs	5 to 10	0	<1	Tr
29.2	31.8	Felsic Gneiss (S)	Grey and pink	Fine-medium grained	Weakly-moderately well foliated	Medium grained subrounded plagioclase crystals with pinkish tinge make up 40-50% of groundmass, minor amphibole scattered throughout groundmass and often found with chlorite alteration (<1%), 10-15% potassic and 1-2% sericitic alteration.	10 to 15	0	<1	0
31.8	41.7	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Weakly-moderately well foliated	Quartz vein (20cm) at 33.6-33.8m with tourmaline and clotty pyrite mineralization at the contact, vein itself contains <1% pyrite, amphibole mineralization increases towards lower contact, 3-5% sericitic 1-2% chloritic alteration.	5 to 10	0	<1	<1
41.7	45.7	Diorite	Grey and white	Fine-coarse grained	Weakly Foliated	Over and underlying contacts are gradational and grade about 1m away from marked contacts, vuggy in upper 1m, 1-3% potassic alteration, some plagioclase (<10%) have pinkish tinge.	10	0	<1	0
45.7	64.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	49.7-50.2m: amphibole interval with 30% amphibole, rest of unit with 1-2% and increasing towards lower contact, 1% epidote, minor vugs in lower 2m, 1-3% sericitic, 1-2% chloritic and 1-2% potassic alteration.	10 to 15	0	<1	Tr
64.5	66.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Vuggy and very blocky, local interval (<10cm) of sedimentary gneiss where pyrite mineralization is trace , <1% epidote.	10	0	<1 to 1	0
66.4	71.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Minor vugs and slightly blocky core, amphibole gneiss interval (68.0-68.8) with 1-3% epidote, quartz veins (up to 15cm) are barren and are 80-90% potassic altered, 2-3% potassic altered	10		<1 to 1	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
71.0	83.2	Amphibole Felsic Gneiss	Dark Green	Fine-medium grained	Weakly-moderately well foliated	Moderately blocky and vuggy, 2-4% epidote, intermixed with sedimentary gneiss ranging from <10cm to 1.5m intervals (79.5-81.0m), sedimentary gneiss is 2-3% sericite altered with <1% pyrite, 2-3% potassic and 3-5% chlorite alteration.	10	0	1	Tr
83.2	90.6	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Sedimentary felsic gneiss intermixed with an amphibole gneiss, dominant between 83.6-84.3m and 88.8-90.6m intervals, 5% epidote and 5% chlorite alteration in amphibole gneiss, trace chalcopyrite, 1-2% sericite and 1-2% potassic alteration.	10	0	<1 to 1	Tr
90.6	138.7	Felsic Gneiss (S)	Grey and white	Fine-medium grained	Weakly Foliated	Trace to minor sulphide mineralized unit with medium grained subrounded plagioclase grains dominate groundmass (40-50%), amphibole scattered throughout groundmass but can be seen in 3-5% mineralization patches (<10cm), 2-3% potassic alteration with interv	10 to 15	0	Tr	Tr
138.7	146.7	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	1% epidote mineralization in upper 1m, intermixing of sedimentary felsic gneiss fragments (<5cm) and bands (<2cm) found throughout (<5%), 1% carbonate stringer veins, 1-2% potassic and 1-2% chlorite alteration.	15 to 20	0	<1	Tr
146.7	149.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Minor vugs, 2-3% potassic alteration	5 to 10	0	<1 to 1	Tr
149.0	150.9	Amphibole Felsic Gneiss		Fine Grained	Moderately Well Foliated	1-2% carbonate stringer veins, 2-3% chloritic and potassic alteration	10	0	<1	0
150.9	171.9	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Moderately Well Foliated	Amphibole is mineralized throughout groundmass and often associated with chloritic alteration (2-3%), there can be amphibole banding (<5cm, <1%), alteration interval between 150.9-154.2 with 30-40% sericitic and 5-10% potassic alteration, 2-3% epidote, we	10 to 15	0	1	<1
171.9	183.3	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately	Similar to clotty amphibolite in 138.7-146.7m interval, 20cm quartz vein at bottom contact with <1% chalcopyrite and coarse biotite.	15 to 20	0	Tr	0
183.3	184.6	Amphibole Felsic Gneiss	Grey and Green	Fine-coarse grained	Moderately Well Foliated	Coarse clots of amphibole surrounded by a thin layer of biotite (<1mm) within a sedimentary gneiss fine grained groundmass.	10 to 15	0	<1	0
184.6	192.1	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately well-well	Subrounded to subangular fragments of sedimentary gneiss(<7cm)(5-10%), 1-2% carbonate stringer veins.	15 to 20	0	Tr	0
192.1	198.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Similar to amphibole felsic gneiss in 183.3-184.6m interval with increased percentage of amphibole.	15 to 20	0	Tr	0
198.0	199.9	Clotty Felsic gneiss Amphibolite	Grey and Green	Medium Grained	Moderately well-well	Similar to clotty amphibolite in 184.6-192.1m interval.	15 to 20	0	Tr	0
199.9	203.9	Felsic Gneiss (S)		Fine-medium	Moderately well-well	2-3% potassic alteration, minor vugs.	10 to 15	0	<1	Tr
203.9	210.2	Felsic Gneiss (S)		Fine-coarse grained	Weakly-moderately	Coarse mineralization of plagioclase and biotite in areas(1-2%), 3-5% potassic and 1-2% sericite alteration	10 to 15	0	<1	Tr
210.2	215.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Smilar to overlying gneiss but with 10-15% potassic alteration and no coarse mineralization.	10 to 15	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
215.1	218.8	Altered Felsic Gneiss (S)	Light green and pink	Fine-medium	Moderately Well Foliated	Carbonate replacement of quartz in veins and veinlets(3-5%), upper 2.3m is 50-60% sericite altered and 10-15% potassic altered, lower 1.4m is 85-90% potassic altered.	10 to 15	0	Tr	0
218.8	231.3	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium grained	Moderately well-well Foliated	Amphibole felsic gneiss interval 219.8-220.1m, local biotite bands(<2mm) including 10cm section(227.2-227.3m) of only coarse biotite mineralization (95-100%) in the core, potassic altered barren quartz veins (<7cm) and fragments (<5cm, 3-5%), <1% epidote,	10 to 15	0	<1	Tr
231.3	236.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Pyrite grains are discernable as euhedral crystals in groundmass, groundmass mineralogy is similar to overlying gneiss but with higher sulphide content, 1% amphibole in groundmass within 2m of lower contact, 2-3% potassic and 1-2% sericitic alteration	10	0	<1 to 1	0
236.2	239.8	Diorite	Grey and Green	Fine-medium	Moderately Well Foliated	Moderately blocky core, 1% epidote, 2-3% potassic alteration.	10 to 15	0	<1	0
239.8	251.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Amphibole banding (<5mm) where 60-70% of pyrrhotite mineralization occurs, pyrrhotite clotting within quartz veins, 1-2% epidote, local biotite banding(<3mm), 40cm barren quartz vein at lower contact.	10 to 15	0	<1	<1
251.0	252.0	Biotite Felsic Gneiss	Grey and white	Fine-medium	Moderately Well Foliated	Boarderline biotite felsic gneiss, 1-2% potassic alteration.	25 to 30	0	<1	0
252.0	259.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Local biotite (<2mm) and amphibole(<5mm) banding, slight increase in grain size within 1m of lower contact (medium), clotty sulphide mineralization occurs in quartz veins or at contact of veins, 1-2% sericite and chlorite alteration.	10 to 15	0	<1 to 1	<1
259.4	261.6	Pegmatite	Green, white, and pink	Coarse-very coarse	Massive	Trace to minor sulphide mineralization, 5-10% sericite altered.	3 to 5	0	Tr	Tr
261.6	263.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Grain size grades from medium to fine towards lower contact, local biotite banding (<2mm).	10 to 25	0	<1	<1
263.6	266.1	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	5% epidote, local coarse biotite zones (<7cm), sulphide mineralization is strong and evenly distributed, 3-5% chlorite alteration.	5 to 10	0	1	1
266.1	270.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to sedimentary gneiss in 261.6-263.6m interval, 40cm barren quartz vein at 269.4m with coarse biotite mineralization at contact.	10 to 15	0	1	<1 to 1
270.8	280.6	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Intermixing of sedimentary gneiss (65%) and amphibole gneiss (35%), amphibole gneiss is similar to 263.6-266.1m with trace garnet, pyrrhotite mineralization occurs mostly in amphibole zones (75%), 1-2% sericite alteration.	10 to 15	0	1	1
280.6	282.4	Pegmatite	Pink and White	Coarse-very coarse	Massive	Trace to minor sulphide mineralization, sedimentary gneiss with 3-5% amphibole, <1% pyrite and 3-5% potassic alteration, within 1m of lower contact.	1 to 2	0	Tr	0
282.4	285.7	Diorite	Grey and white	Fine-coarse grained	Weakly-moderately	Subrounded plagioclase grains are coarse part of groundmass, pinkish tinge in some areas (5% potassic alteration).	15 to 20	0	Tr	0
285.7	293.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixing unit is similar to 270.8-280.6m interval but amphibole gneiss represents 60% of unit.	10 to 15	0	1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
293.4	300.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Local thin (<2mm) biotite banding, quartz veins (10-20cm) have trace sulphide mineralization and 1-2% sericitic alteration, amphibole felsic gneiss interval 295.9-296.2m similar to overlying unit, heavier alteration (60%, potassic and sericitic) in bottom	10	0	<1	Tr
300.9	306.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Overlying and underlying contacts grade with 10cm buffer from marked contacts, trace muscovite, 1-2% sericite alteration.	15 to 20	0	<1	Tr
306.2	320.5	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Moderately well-well	Local coarse biotite zones (<5cm) and banding (<1cm), quartz veins with increased biotite mineralization at the contacts and clotty sulphides.	10 to 15	0	<1 to 1	<1 to 1
320.5	324.5	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Weak to moderate sulphide mineralization occurs in and around biotite, 3-5% sericitic alteration	1 to 3		<1	<1
324.5	331.8	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intervals of sedimentary felsic gneiss with 2m of upper and lower contacts, trace garnets and local biotite zones(<10cm) in both intervals, 5-10% chloritic alteration.	10 to 15	Tr	<1 to 1	<1 to 1
331.8	336.0	Felsic Gneiss (G)	Light Grey	Medium-coarse	Weakly-moderately	3-5% muscovite, grain size increases slightly towards lower contact, 3-5% sericite alteration.	5 to 7	<1	1	<1
336.0	341.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite zones (<3cm) with a slight increase in pyrite mineralization, 30cm barren quartz vein at 338.1, 2-3% sericitic alteration.	10 to 15		<1 to 1	<1
341.5	345.2	Amphibole Felsic Gneiss	Pink	Fine-medium	Moderately well-well		10 to 15	0	<1 to 1	<1 to 1
345.2	351.7	Felsic Gneiss (S)	Light Grey	Fine-coarse grained	Moderately well-well	Biotite banding(<2mm) with trace garnet mineralization.	5 to 10	<1	<1 to 1	<1
351.7	354.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss similar to underlying felsic gneiss, 10-40cm patches of heavy sericite and potassic alteration(5% overall), 3-5% chlorite alteration.	10 to 15	0	<1	Tr
354.4	371.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Local biotite zones (up to 10cm) and bands(<1cm) with up to 45% biotite and often found with 1% garnet, amphibole mineralized throughout groundmass, 10-15% potassic altered quartz-feldspar-porphyry within 70cm of lower contact, quartz veins have clotty (<	10 to 15	<1 to 1	1	<1 to 1
371.7	380.1	Pegmatite	Grey, white, and pink	Medium-coarse	Massive-weakly	Intermixed with coarse sedimentary felsic gneiss with local coarse biotite zones (<7cm), clotty sulphides occur in both rock types but disseminated mineralization in gneiss.	10 to 15	0	<1 to 1	<1
380.1	380.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Medium grained plagioclase and fine grained biotite groundmass, 380.3-380.7m interval is 80% sericitic altered.	15 to 20	0	<1	<1
380.9	385.0	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly-moderately	Intermixed with pegmatite similar to 371.7-380.1m interval but sedimentary gneiss is dominant rock type (75/25), local biotite zones (<10cm) with trace garnet.	5 to 10	Tr	1	1
385.0	385.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Carbonate replacement in veins (<2mm).	20 to 25	0	<1	Tr
385.9	421.4	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Moderately well-well Foliated	Local variation in grain size across unit some areas are more medium while others more fine grained but groundmass composition is generally consistent with biotite mineralization decreasing 3-5% towards lower contact, amphibole mineralization occurs in p	10 to 15	0	<1 to 1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
421.4	427.9	Amphibolite	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixing of footwall amphibolite and sedimentary felsic gneiss similar to overlying, 3-5% chlorite alteration.	5 to 10	2 to 3	<1	<1
427.9	433.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<10cm), 1-2% sericitic alteration.	5 to 10	0	<1	<1
433.0	440.0	Amphibolite	Green	Fine-medium	Moderately well-well	Footwall amphibolite, garnet grain size varies from fine to coarse, 3-5% chlorite alteration. End of hole.	<5	5 to 7	0	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 438	Bearing of Hole from true North 180	Total Depth (m) 170	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 05-Apr-12	Date Completed 07-Apr-12	Date Logged Apr.5-7 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329641
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303919
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	14.4	Casing								
14.4	33.8	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly-moderately well foliated	Patchy medium grained blebs of pyrite. Localized granitic pegmatite clots, and interlayers of granitic felsic gneiss (<1m). Increased sulfide content within localized biotite rich (<10cn) sections. Localized quartz spider veinlets, with potassic and sericitic alteration haloes.	5 to 10	1 to 2	1	Tr
33.8	47.3	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Medium grained blebby and locally fine disseminated pyrite, and fine grained schlieren and disseminated pyrrhotite. Localized coarse grained blebs of pyrrhotite-pyrite associated with clots of granitic pegmatite.	25	5 to 7	1	1
47.3	51.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Localized pegmatitic sections and sections of potassic alteration.	5	<1	<1	<1
51.7	92.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized fine grained schlieren of pyrite and pyrrhotite, and finely disseminated pyrrhotite. Coarse grained sulfides are associated with pegmatitic quartz clots.	40	5	2	1
92.9	94.3	Diorite	Grey and white	Medium Grained	Massive	Localized pegmatitic quartz clots.	30	0	Tr to <1	Tr
94.3	96.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
96.5	100.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Patchy medium-coarse grained sulfide blebs. Coarse sulfides associated with quartz clots.	30	7	1	<1
100.9	103.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Coarse sulfides associated with bands of biotite and intermixed granitic pegmatite.	5	0	1	<1 to 1
103.8	112.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections. Localized vuggy sections.	30	5	1 to 2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
112.9	160.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy clots of pegmatitic quartz.	10	Tr	1	<1
160.2	170.0	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Intermixed porphyroblastic amphibole gneiss.	5	2	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 523	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08-Apr-12	Date Completed 16-Apr-12	Date Logged Apr8-Apr16, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 330369
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304150
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	10.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of sericitic and potassic alteration haloes (<1%), Local biotite rich zones (<2%), containing coarse grained biotite (ranging from 1-2cm). Massive 15cm barren quartz vein at 8.3m. Minor disseminated sulphides, predominantly pyrite, associated	5 to 10	0	<1	Tr
10.3	14.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Local zones of chloritic alteration (1-2%) and presence of quartz fragments (<1%). Vuggy textures associated with chloritic alteration. Medium grained clotty pyrite associated with quartz fragments. Minor disseminated pyrite throughout, no visible pyrr	10 to 15	0	<1	Tr
14.5	17.9	Felsic Gneiss (S)	Grey and dark grey	Medium Grained	Moderately Well Foliated	Potassic and sericitic alteration haloes (2-3% of unit). Massive 25cm barren quartz vein at 15.2m. Fractured/broken section at 15m. Minor disseminated pyrite.	15	0	<1	Tr
17.9	42.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained conglomerate felsic gneiss and with gneiss sections ranging from 0.3-0.5m containing increased biotite content (<15%). Medium grained plagioclase crystals throughout unit, not consistent. Chloritic alteration (<2%) assoc	10 to 15	0	<1	Tr
42.2	43.4	UMLAMP Dike	Grey	Fine-medium grained	Dike	42.4-42.6m: medium grained altered sedimentary felsic gneiss (2-5% biotite), potassically altered (2% of interval). Contains fine to medium grained disseminated pyrite.				
43.4	53.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local zones of increased (coarse grained) biotite occurring along foliation. Potassic alteration near upper contact with dike. White, massive barren quartz vein (45.1-45.9m). Fine to medium grained disseminated pyrite.	10 to 15	0	<1 to 1	Tr
53.1	54.8	Altered Felsic Gneiss (S)	Grey and Red	Medium Grained	Weakly Foliated	Intermixed with fluids from underlying UM/LAMP dike. Local sections containing fine to medium grained pyrite, no visible pyrrhotite.	5	0	<1	
54.8	57.0	UMLAMP Dike	Grey	Medium Grained	Dike					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
57.0	60.4	Altered Felsic Gneiss (S)	Grey and Red	Medium Grained	Weakly-moderately	Same as previous, 57.5-57.9m: UM/LAMP Dike, 58.2-58.4m: Biotite rich (40% of interval) amphibole felsic gneiss. Minor disseminated pyrite.	5	0	<1	
60.4	69.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with sections containing a higher biotite content (12-<15%). Presence of sericitic alteration haloes (5%) and chloritic (1-<2%) alteration. Minor epidote alteration from 65-65.1m. Minor fine to medium grained disseminated and clotted pyrite.	10 to 15	0		
69.4	72.4	Amphibole Felsic Gneiss	Dark Green and Grey	Medium Grained	Moderately Well Foliated	Local biotite rich zones. Presence of quartz-carbonate veinlets and clasts (5%). Medium grained clotted pyrite associated with carbonate vein at 74.2m.	15 to 20	0	<<1	Tr
72.4	80.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Abundant spider veinlets (5%). Presence of quartz carbonate clasts (1-2%). 78.5-80.1: Potassic (15%) altered amphibole felsic gneiss (<5% biotite). Fine grained clotted pyrite at 78.1m.	10 to 15	0	<1	
80.1	90.0	UMLAMP Dike	Grey	Fine-medium	Dike					
90.0	102.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	91.8-92m: sericitic and potassic altered (45% of interval) amphibole felsic gneiss, no visible sulphides. 92-93.2m: abundant spider veinlets with sericitic alteration haloes. Minor disseminated sulphides throughout, no visible pyrrhotite.	10	0	1	Tr
102.7	103.4	Diabase Dike	Black	Fine Grained	Dike	Contains felsic gneiss clasts (1-2%). Pyrite is associated with sedimentary felsic gneiss.			<1	
103.4	123.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of moderate sericitic (4-5%) and potassic (3-5%) alteration haloes. Trace to minor disseminated sulphides, no visible pyrrhotite.	10 to 15	0	<1	Tr
123.5	148.7	K-Altered Felsic Gneiss (S)	Grey and Pink	Fine-medium grained	Moderately Well Foliated	Intermixed with a fine to medium grained potassic altered granitic felsic gneiss. Presence of barren quartz fragments (<2%) and carbonate veinlets with potassic alteration haloes (1-2%). 143-143.4m: Diabase dike containing large (5-10cm) K-altered sedi	5	0	1	Tr
148.7	152.6	Diabase Dike	Black and white	Medium Grained	Dike	Carbonate stringer veins (2-3%) and presence of hematization (5%).				
152.6	157.4	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated	Same as previous. Trace to minor disseminated sulphides, no visible pyrrhotite.	10	0	Tr to <1	Tr
157.4	176.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of sericitic (2-3%) and chloritic (<1%) alteration. Barren quartz fragments (2% of unit). 158.1-158.5m: UM/LAMP Dike. Weakly fractured (<2%). Spider veinlets (2% of unit). Minor fine grained disseminated pyrite throughout unit. Minor fine to	10 to 15		<1	<1
176.4	187.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a grey-pink, medium grained K-Altered sedimentary felsic gneiss. Presence of local biotite rich zones (3-5%). Unit contains 3% chloritic alteration. Minor medium grained disseminated pyrite throughout unit, no visible pyrrhotite.	15	0	1	
187.9	192.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Unit contains barren quartz veinlets and fragments (2-3%).	10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
192.2	212.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained granitic felsic gneiss (15%). Local biotite rich zones (occurring between 195.5-197m). 192.7-192.8m: Chloritic alteration. 199-199.4: Diabase dike containing sedimentary felsic gneiss clasts. 205.7-206.3m: dark gre	15 to 20	0	<1	Tr
212.9	222.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local biotite rich zones (<2%) and presence of barren quartz fragments (<1%).	10 to 15	0	1	Tr
222.6	230.4	Amphibole Felsic Gneiss	Dark Green and dark grey	Fine Grained	Moderately Well Foliated	Interlayered with a grey, medium grained, sedimentary felsic gneiss containing 15% biotite (226.3-226.8m and 228.2-229.1m) and intermixed with sections of biotite felsic gneiss containing 55% biotite over 0.3m intervals (15% of unit). Chloritic (2-3%) an	10	0	1	<1
230.4	234.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Spider carbonate veinlets with potassic alteration haloes (20%). White massive barren quartz vein (230.9-231.3m). Fine to medium grained disseminated pyrite found throughout unit. No visible pyrrhotite.	10 to 15	0	<1 to 1	Tr
234.2	238.7	Diorite	Grey and white	Medium-coarse grained	Weakly-moderately well foliated	Potassic alteration haloes (<2%), minor fine to medium grained disseminated pyrite. 235.5-235.7m: interval contains quartz-carbonate clasts (40%), coarse grained biotite (1%) and chloritic (1%) alteration. Minor disseminated fine grained pyrite.	10 to 15	0	<1 to 1	Tr
238.7	243.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Upper section of unit contains coarse grained plagioclase crystals (<10%).	10 to 15	0	<1	Tr
243.4	248.3	Amphibole Felsic Gneiss	Dark Green and dark grey	Fine-medium	Moderately Well Foliated	3-5mm carbonate veinlets (3% of unit). Gradual lower contact.	20	<1	<1 to 1	Tr to
248.3	250.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10		<1	Tr
250.9	253.8	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained amphibole felsic gneiss. Chloritic alteration (2-3%).	40	1 to 2		
253.8	258.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium to coarse grained granitic felsic gneiss. Presence of quartz clasts and veinlets (<4%).	10	0	<1	Tr
258.1	260.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	259.4-260.7m: medium grained amphibole felsic gneiss, increased chloritic alteration, pyrrhotite blebs associated with chloritic alteration.	25	0	<1	1 to 2
260.7	267.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5 to 10	0	<1	Tr
267.6	270.5	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Carbonate spider veinlets (1-2%) and quartz fragments (<1%).	20		<1 to 1	Tr to
270.5	271.8	UMLAMP Dike	Grey	Fine to Medium	Dike	Light green sericitic alteration (10% of unit), carbonate spider veinlets (<2%). No visible sulphides.				
271.8	275.7	Amphibole Felsic Gneiss	Dark Green and Dark	Medium Grained	Moderately Well Foliated	Abundant carbonate spider veinlet (5-8%). Quartz fragments (<1%). Presence of chloritic alteration (<2%).	15	0	<1 to 1	<<1
275.7	277.0	Diabase Dike	Black	Fine Grained	Dike					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
277.0	279.5	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained amphibolite.			<1 to 1	Tr
279.5	293.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained, potassically altered granitic felsic gneiss containing 15% muscovite and 10% biotite. Trace to minor sulphides.	10	0	<1	Tr
293.1	295.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		10	0	<1	Tr
295.0	315.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous, intermixed with a potassically altered granitic felsic gneiss.	10	0	<1	Tr
315.6	322.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Presence of potassic alteration (15%) and quartz (2-3%) fragments. Trace to minor sulphides.	10 to 15	0	<<1	Tr
322.1	334.5	K-Altered Felsic Gneiss (S)	Grey and Dark Green	Medium Grained	Moderately Well Foliated	328.8m: 5cm UM/LAMP dike.	10		<1	Tr
334.5	336.6	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with a grey, medium grained sedimentary felsic gneiss.	10 to 15	0	<1	Tr
336.6	351.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a dark green, fine to medium grained amphibole felsic gneiss (339.5-340.6m, 344.9-346.2m, 350.3-351.1m). Minor disseminated and blebby sulphides.	15	0	<1 to 1	<1
351.1	376.5	Amphibole Felsic Gneiss	Dark Green and Grey	Medium Grained	Moderately Well Foliated	Potassic alteration haloes (5%). Presence of barren quartz fragments (2-3%)	10		<1	<1
376.5	377.2	UM/LAMP Dike	Grey	Medium Grained	Dike					
377.2	381.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10		Tr to <1	Tr
381.6	387.5	Amphibole Felsic Gneiss	Grey	Medium Grained	Moderately Well Foliated	Unit contains 20-25% amphibole grains. Presence of spider veinlets with potassic alteration haloes (5-10%).	10		<1	Tr
387.5	391.4	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated	Unit contains section of chloritic alteration 389.8-390.4m.	2 to 5		Tr to	Tr
391.4	403.4	Amphibole Felsic Gneiss	Grey	Medium Grained	Moderately Well Foliated	Same as previous.				
403.4	404.9	UM/LAMP Dike	Light Grey	Fine Grained	Dike					
404.9	420.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained, moderately well foliated granitic felsic gneiss. Local zones with chloritic alteration (2-3%). Presence of potassic and sericitic alteration haloes. Minor sulphides, dominantly pyrite.	10 to 15	0	1	Tr
420.4	423.0	K-Altered Felsic Gneiss (S)	Grey and Pink	Fine-medium	Moderately Well Foliated	Potassically altered. Minor sulphides.	5 to 10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
423.0	423.8	UMLAMP Dike	Grey	Medium Grained	Dike					
423.8	425.1	K-Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	<1	<<1
425.1	426.8	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Presence of chloritic alteration.	5	0	Tr	Tr
426.8	433.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		10	0	<1	Tr
433.2	434.6	UMLAMP Dike	Grey	Fine to Medium	Dike					
434.6	444.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Presence of potassic alteration (2-3%).	10 to 15	0	<1	Tr
444.3	450.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local biotite rich zones (2%). Chloritic alteration (1-2%). Interlayered with a fine to medium grained amphibole felsic gneiss (with 5% biotite and 55-60% amphibole).	15 to 20		<1	<1
450.2	451.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Dark Green and grey, medium grained amphibole felsic gneiss with 20% biotite and 40% amphibole. Quartz carbonate clasts with chloritic (5-8%) alteration. Trace sulphides.	20		Tr	Tr
451.0	452.4	UMLAMP Dike	Grey	Medium Grained	Dike					
452.4	455.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Same as previous.	15 to 20	0	<1	Tr
455.1	463.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with local dark green, fine to medium grained amphibole felsic gneiss (10-15% of unit). Presence of chloritic (<2%) alteration. Minor fine grained disseminated pyrite.	10 to 15	0	<1	Tr
463.8	468.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Spider veinlets with potassic alteration haloes (2-3%). Trace to minor disseminated pyrite.	15	0	<<1	Tr
468.8	472.6	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Same as previous, interlayered with a medium grained sedimentary felsic gneiss (10%).	10	0	<<1	Tr
472.6	478.6	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Intermixed with a medium to coarse grained granitic felsic gneiss with 5-10% quartz. Fine to medium grained clotty pyrite and <<1% fine to medium grained chalcopyrite found within the granitic felsic gneiss.	15	0	<1	Tr
478.6	482.8	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Interlayered with local dark green, fine grained amphibolite containing garnet porphyroblasts (2%). Interval of fine to medium grained sedimentary felsic gneiss with 5-10% biotite. Presence of carbonate clasts and veins (2-3%). Sulphides are dominant in	2 to 5	<3	<1	<1
482.8	485.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite. Interval of medium to coarse grained diorite (484.3-485.1m) intermixed with medium grained amphiboles (10%). Trace sulphides.	10 to 15	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
485.6	488.0	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Dark green, fine to medium grained amphibole felsic gneiss with 5% biotite and 65-70% amphibole. Unit contains abundant spider veinlets (10%). Trace to minor sulphides.	5	0	<<1	Tr
488.0	492.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained amphibole felsic gneiss (same as previous unit, 15-20%). Trace sulphides.	5 to 10	0	Tr	Tr
492.2	513.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Variable sized plagioclase grains (2-4mm). Weak potassic alteration (1-2%). Local chloritic altered zones.	15	0	<1	Tr
513.5	516.0	Amphibolite	Dark/light green and	Medium Grained	Moderately Well Foliated	Intermixed with a grey, medium grained sedimentary felsic gneiss with 10% biotite. Minor disseminated sulphides.	15		<<1	<<1
516.0	517.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10 to 15	0	Tr	Tr
517.5	523.4	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Dark/light green and pink medium grained amphibolite with 5% biotite and 10-15% garnet. Trace sulphides. EOH	5	10 to 15	Tr	Tr



**Diamond
Drilling
Log**

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BL12-189

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Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 439	Bearing of Hole from true North 180	Total Depth (m) 239	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 07-Apr-12	Date Completed 09-Apr-12	Date Logged Apr.8-9 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329593
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303954
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	17.8	Casing								
17.8	20.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
20.0	53.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant broken and blocky core, and vugs. Localized chlorite alteration, quartz spider veinlets and epidote forming in the vugs.	5	1	1	Tr
53.6	60.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized vugs containing epidote crystals, and chlorite alteration. Quartz veins (<30 cm) associated with coarse grained pyrrhotite present.	30	2	1	1
60.0	68.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Localized silicified and sericitically altered sections. Patchy quartz clots. Pyrite-pyrrhotite is associated with crydtals of biotite.	5	1	<1 to 1	<1 to 1
68.0	70.4	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Massive-weakly	3% patchy mediym grained crystals of muscovite.	5	0	<1	<1
70.4	76.9	Felsic Gneiss (S)	Grey, black and pink	Fine Grained	Moderately Well Foliated	Patchy quartz clots. Increased sulfides associated with cm-scale biotite rich sections.	20	3	1	1
76.9	83.4	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Same as previous.	5	0	Tr	<1
83.4	101.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Patchy cm-scale clots of granitic pegmatite, and intermixed granitic felsic gneiss.	30	5	1	1
101.6	104.3	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Patchy muscovite crystals.	5	0	Tr	Tr
104.3	116.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Patchy quartz clots, and chlorite alteration.	20	5	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
116.2	126.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Intermixed pegmatitic quartz sections.	35	5 to 7	1	1
126.7	189.7	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Overall 1% pyrite with 1-2% locally. Intermixed sections (<1m) of chlorite altered biotite gneiss associated with increased 1-2 percentages if pyrite. Localized quartz clots.	15	1	1	Tr
189.7	239.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed quartz-carbonate veins. Graditional upper contact with intermixed felsic gneiss (s) and diorite.	5	10	Tr	1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 444	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Town
Date Hole Started 09-Apr-12	Date Completed 13-Apr-12	Date Logged Apr 9-Apr 13, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 330988
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303809
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden				
3.0	11.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	UM/LAMP dike(50cm) at 9.2m, moderately blocky core, 2-3% potassic alteration	5 to 10		<1 to 1	Tr
11.4	27.6	Felsic Gneiss (S)		Fine-coarse grained	Weakly-moderately	Moderately blocky core, coarse(<1cm) subrounded plagioclase crystals spread throughout groundmass(3-5%), 2-3% sericite and 5-7% potassic alteration	5 to 7	0	<1	Tr
27.6	30.0	UM/LAMP Dike	Grey and Green	Fine-medium	Dike		0	0	0	0
30.0	32.7	Felsic Gneiss (S)	Grey, white, and pink	Fine-coarse grained	Weakly-moderately	Similar to sedimentary felsic gneiss in 11.4-27.6m interval, 5-10% potassic alteration	5 to 7	0	<1	Tr
32.7	53.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Moderately blocky core, contact with overlying is gradational over 2m downhole over indicated upper contact, fine grained amphibole felsic gneiss intermixing in 51.4-52.9m interval, 3-5% potassic and 3-5% sericite alteration	5 to 10	0	<1 to 1	Tr
53.0	65.0	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Massive-weakly	Subangular medium plagioclase grains have pinkish tinge, amphibole clots (<1cm) throughout, 5-7% potassic alteration	5 to 10	0	<1	Tr
65.0	83.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Moderately blocky core, vuggy within 5m of lower contact, amphibole clots(<3cm) throughout, quartz veins/fragments have clotty sulphides and medium/coarse biotite and amphibole within them, 2-3% pyrite interval in 73.8-74.5m with increased amphibole miner	5 to 10	0	<1 to 1	Tr
83.2	85.2	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Biotite content decreases downhole, vuggy within 30cm of upper and lower contacts, 3-5% chlorite alteration	10 to 15	0	1	<1 to 1
85.2	93.4	Felsic Gneiss (S)	Grey and white	Fine-medium	Weakly Foliated	Grain size coarsens downhole with medium subrounded plagioclase grains dominating groundmass(30-40%), amphibole clots(<1cm) throughout, 2-3% sericite alteration	10	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
93.4	94.6	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Groundmass composition similar to overlying but groundmass is fine grained, upper contact is sharp, 1-2% sericite alteration	10	0	<1 to 1	Tr
94.6	96.3	Amphibole Felsic Gneiss	Green	Fine-medium	Weakly-moderately	Large clots (up to 4cm) of fine grained pyrite in upper 1m, biotite and pyrrhotite mineralization increases downhole, 3-5% epidote, 2-3% chlorite alteration	10 to 15	0	3 to 5	<1 to 1
96.3	103.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Moderately blocky core, amphibole clots(<2cm) throughout	5 to 10		<1 to 1	Tr
103.3	106.5	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Similar groundmass composition to overlying but grain size is finer, increase in pyrite mineralization, contact is gradational	5 to 10	0	1	Tr
106.5	109.4	Felsic Gneiss (G)	Grey	Fine-medium	Weakly Foliated	Amphibole clots(<1cm)	5 to 10	0	<1 to 1	Tr
109.4	116.1	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	Moderately blocky core, 11.5-11.8m amphibole gneiss interval with <1-1% pyrrhotite	5 to 10		1 to 2	Tr
116.1	129.8	Felsic Gneiss (G)	Grey and white	Fine-medium	Weakly Foliated	Blocky core, amphibole clots(<1cm) throughout, 2-3% potassic and 1-2% sericite alteration	5 to 10	0	<1 to 1	Tr
129.8	131.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Minor vugs throughout	5 to 10	0	<1 to 1	Tr
131.7	133.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Quartz veins/fragments with clotty(<0.5cm) pyrite, 3-5% chlorite alteration	10 to 15	0	<1 to 1	Tr
133.3	144.8	Felsic Gneiss (G)	Grey and white	Fine-medium	Weakly Foliated	Similar to granitic gneiss 116.1-128.1m interval, 3-5% potassic alteration	5 to 10	0	<1 to 1	Tr
144.8	148.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	Moderately blocky core, <1% epidote, trace sulphide mineralization throughout, 3-5% chlorite alteration	10 to 15	0	Tr	Tr
148.6	156.8	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Moderately blocky core, amphibole clots(<3cm) throughout, fine grained pyrite clots <3cm, 2-3% potassic alteration	5 to 10		1	Tr
156.8	158.0	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Weakly-moderately	First 20cm is medium grained clotty amphibolite, trace sulphides throughout, 1-2% potassic alteration in quartz fragments	10 to 15		Tr	Tr
158.0	168.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Moderately blocky core, amphibole clots(<3cm) throughout, coarse(<1cm) subrounded plagioclase within 3m of lower contact, 2-3% potassic alteration	5 to 10		<1 to 1	Tr
168.5	170.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixed with sedimentary felsic gneiss, 3-5% potassic alteration	10 to 15	0	<1	Tr
170.0	173.1	Felsic Gneiss (S)	Grey	Fine-coarse grained	Moderately Well Foliated	Coarse(<1cm) subrounded plagioclase grains, quartz veins/fragments have 1% pyrite	7 to 10	0	<1 to 1	Tr
173.1	177.6	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Moderately well-well	Sedimentary felsic gneiss banding(<1-10cm), gneiss bands have trace sulphides and 2-3% potassic alteration	15 to 20	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
177.6	180.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Moderately blocky core, biotite banding(0.75cm)	10 to 15	0	<1 to 1	Tr
180.0	185.3	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Moderately blocky core, intermixed with sedimentary gneiss in 182-184m interval, 3-4% chlorite alteration	10 to 15	0	1 to 2	<1
185.3	203.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Moderately blocky core in upper 5m, zones of coarse grained mineralization(<10cm) with amphibole clots(<1cm), quartz veins with clotty pyrite mineralization, <1-1% epidote, biotite banding(<1cm), 2-3% potassic alteration	10 to 15	0	<1 to 1	Tr
203.5	204.9	Clotty Felsic gneiss Amphibolite	Grey and Green	Fine-medium	Moderately well-well	Interlayered with sedimentary gneiss, amphibolite sections have 1-2% pyrrhotite and pyrite, 2-3% chlorite alteration	10 to 15		1	1
204.9	220.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Massive pyrrhotite mineralization(206.8-206.9m) with 1-2% fine grained chalcopyrite, fine-coarse biotite banding(<2cm), grain size coarsens downhole(fine-medium/coarse), amphibole patches/bands/clots(<5cm) throughout, coarse pegmatite interval(<30cm) in m	10 to 15	0	<1 to 1	<1
220.5	221.5	Diorite	Grey and white	Medium Grained	Moderately well-well	Plagioclase have pinkish tinge in upper 0.5m	20 to 25	0	<1	Tr
221.5	226.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Similar to sedimentary gneiss in 204.9-220.5m interval, 15cm of fragment of overlying unit within 30cm of upper contact	10 to 15	0	<1 to 1	Tr
226.9	229.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Similar to overlying unit with increase in sulphide mineralization and 5-10% sericite alteration	5 to 10		1	<1
229.9	233.2	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	1-3% epidote, zones of amphibole mineralization(<20cm) where pyrrhotite mineralization occurs, 2-3% chlorite alteration	10 to 15	0	1	<1 to 1
233.2	240.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite (<0.5cm) and amphibole(<3cm) banding, 1-3% sericite alteration	10	0	1	<1
240.2	245.1	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Amphibole gneiss interval 241.4-242.1m, 10-15% sericite and 25-30% potassic alteration, carbonate alteration in quartz veins(<0.5cm)	10 to 15	0	<1	Tr
245.1	248.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Quartz vein (1cm) at 247.2m with <1% galena and chalcopyrite, 2-3% sericite alteration	10 to 15	0	1	Tr
248.4	256.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Intermixed with sedimentary gneiss in bottom 1.5m, sulphide veinlets <2mm, 2-3% chlorite alteration	10	0	1	1
256.2	257.3	Diorite	Grey and white	Fine-medium	Moderately Well Foliated	Carbonate replacement in veinlets(<2mm)	20 to 25	0	<1	0
257.3	261.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Amphibole mineralization in upper 1.5m, biotite banding(<0.5cm) often seen with slight increase in sulphide mineralization	10 to 15	0	<1 to 1	<1 to 1
261.3	268.3	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Intermixed with sedimentary gneiss, amphibole gneiss hosts most of the sulphide mineralization, 3-5% chlorite alteration	10 to 15	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
268.3	270.9	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately well-well	Barren quartz veins(<30cm) with slight increase in biotite mineralization at the contacts	7 to 10	0	Tr	0
270.9	275.5	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed with amphibole gneiss, sedimentary gneiss has trace sulphides, sulphide barren quartz veins(<10cm) with coarse biotite at contacts, 3-5% sericite alteration	10	0	<1 to 1	<1 to 1
275.5	294.9	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Weakly Foliated	Amphibole is mineralized throughout as part of main groundmass and grades to a boarderline amphibole gneiss in bottom 2m, pinkish tinge to plagioclase throughout, 5-7% potassic and 2-3% sericite	5 to 10	0	<1	Tr
294.9	297.7	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed with pegmatite , local biotite bands(<1cm), 3-5% potassic alteration	10	0	<1	<1
297.7	304.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local biotite banding(<1cm) with increase in sulphide mineralization, 2-3% potassic and 1-2% sericite alteration	10 to 15	0	<1 to 1	<1 to 1
304.4	310.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Intermixed with pegmatite and sedimentary felsic gneiss, amphibole is well mineralized by sulphides(2-3%), 3-4% sericite, 2-3% chlorite and 1-2% potassic alteration	10 to 15	0	1 to 2	1 to 2
310.6	314.9	Altered Felsic Gneiss (S)	Pink and Green	Fine-medium grained	Moderately Well Foliated	Intermixed with pegmatite in bottom 1m, nearly fully altered(60% potassic, 30% sericite) and original groundmass texture is not very discernable, trace purple quartz mineralization	5		<1	Tr
314.9	318.3	Felsic Gneiss (S)	Grey and Green	Medium-coarse	Moderately Well Foliated	Intermixed with pegmatite similar to 294.9-297.7m interval, 3-5% sericite alteration	10 to 15	0	<1 to 1	<1 to 1
318.3	323.1	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed with coarse pegmatite and medium sedimentary gneiss similar to 304.4-310.6m interval, pyrite banding <1cm, 2-3% sericite and chlorite alteration	10 to 15	0	1 to 2	1 to 2
323.1	331.3	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed with coarse pegmatite similar to 294.9-297.7m interval, 2-3% sericite and potassic alteration	10 to 15	0	<1	<1
331.3	334.6	Diorite	Grey and white	Fine-medium	Moderately Well Foliated	Intermixed with coarse-very coarse pegmatite, 2-3% sericite alteration	20 to 25	0	<1	Tr
334.6	337.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately well-well Foliated	Intermixed with medium sedimentary gneiss and 40cm diorite(same as overlying) interval, sulphide mineralization is highest in amphibole gneiss zones(1-2%), lower contact is gradational over 40cm, 3-5% chlorite alteration	10 to 15	0	<1 to 1	<1 to 1
337.6	341.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pegmatite zone(25cm) at 339m depth, 3-5% potassic and sericite alteration	10 to 15	0	<1	<1
341.3	345.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately well-well	Local biotite zones(<10cm) and bands(<1cm), pink coarse pegmatite salvages(<10cm), 2-3% sericite alteration	20 to 25	0	1	1
345.0	351.6	Felsic Gneiss (S)	Grey and Green	Fine-coarse grained	Moderately Well Foliated	Intermixed with coarse pegmatite, amphibole zones in upper 2m of unit, 1-30cm barren quartz veins with coarse mineralization at contacts, 30cm garnet biotite gneiss interval at 350.7m, 10-15% sericite alteration	10 to 15	<1	<1	<1
351.6	357.1	UMLAMP Dike	Black and green	Fine-medium	Dike	Subrounded to subangular clasts of overlying/underlying rock(<1-7cm)	0	0	0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
357.1	361.8	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately well-well	Intermixed with coarse white/pink pegmatite(with clotty sulphides) in bottom 2m, grain size coarsens downhole	20 to 25	1 to 2	1 to 2	1 to 2
361.8	363.2	Amphibole Felsic Gneiss	Grey and Green	Fine-Medium	Moderately Well Foliated	Spider veinlets with carbonate replacement	5 to 10	0	0	0
363.2	364.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Transitional unit between overlying and underlying unit, garnet mineralization occurs in bottom half, 3-5% muscovite	20 to 25	3 to 5	<1	<1
364.9	366.4	Biotite Felsic Gneiss	Dark Grey	Fine-coarse grained	Moderately well-well	Local zones(<15cm) of garnet biotite felsic gneiss, grain size decreases downhole	40 to 50	3 to 5	<1 to 1	<1 to 1
366.4	373.1	Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Local zones(<20cm) of 60%+ biotite mineralization with garnet, amphibole mineralized in bands(<1cm) and clots(<5cm), pegmatite intervals and salvages(<10cm) with coarse biotite mineralization at the contacts, 1-2% sericite alteration	30 to 35	1 to 2	1 to 2	1 to 2
373.1	374.7	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	2-3% epidote, amphibole intermixed in main groundmass	20 to 25	0	<1	<1
374.7	378.2	Felsic Gneiss (S)	Grey	Fine-coarse grained	Moderately well-well	Local biotite zones (<15cm), amphibole banding(<2cm) with 1-2% sulphides, barren quartz veins(<5cm) with coarse mineralization at contacts, 1-2% chlorite alteration	15 to 20	0	1	1
378.2	379.6	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	1-2% sericite	10 to 15	0	<1	<1
379.6	383.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite(<1cm) and amphibole(<3cm) banding, 2-3% sericite alteration	10 to 15	0	<1	<1
383.5	384.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Similar to 378.2-379.6m interval, carbonate spider veinlets, 1-2% potassic alteration	10 to 15	0	<1	<1
384.3	396.4	Felsic Gneiss (G)	Dark Grey	Fine-medium	Weakly-moderately	Barren quartz veins(10-30cm) in 387.0-388.0m interval, amphibole is mineralized throughout main groundmass, 2-3% sericite alteration	10 to 15	0	<1	Tr
396.4	402.7	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately well-well	Intervals of footwall amphibolite(<10cm) very fine-fine garnet and 1% sulphides, biotite banding(<1cm), 2-3% chlorite and 1-2% sericite alteration	15 to 20	<1 to 1	<1 to 1	<1 to 1
402.7	405.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Barren quartz veins(<7cm), 3-5% chlorite and 1-2% sericite alteration	10 to 15	Tr	1	1
405.4	407.3	Felsic Gneiss (G)	Grey	Medium Grained	Weakly-moderately	2-3% sericite alteration	10 to 15	0	<1 to 1	<1 to 1
407.3	410.3	Amphibolite	Dark Green	Fine-coarse grained	Moderately Well Foliated	Grain size grades from fine-medium-fine with coarse(5mm) garnets in middle, 3-5% chlorite alteration	<5	3 to 5	Tr	Tr
410.3	412.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Interlayer between footwall amphibolites with amphibole zones(<10cm) in upper 1m, grain size coarsens downhole, 1-2% chlorite alteration	15 to 20	0	Tr	<1
412.7	417.5	Amphibolite	Dark Green	Fine-medium	Moderately well-well	Footwall amphibolite with 5-7% chlorite alteration	5 to 10	5 to 10	<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
417.5	419.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayer similar to 410.3-412.7m interval, barren 10cm quartz vein with coarse biotite mineralization at the contact	15 to 20	0	Tr	Tr
419.9	441.7	Amphibolite	Dark Green	Fine-medium grained	Moderately well-well Foliated	Footwall amphibolite with sedimentary gneiss interlayer at 433-434.3m similar to overlying, 1% chalcopyrite in 428.6-428.7m interval with 3-5% pyrrhotite, garnets vary from fine to coarse(5mm) grained, 2-3% sericite and 5-7% chlorite alteration	10 to 15	5 to 7	Tr	<1 to 1
441.7	444.0	Felsic Gneiss (S)	Grey	Fine-coarse grained	Moderately Well Foliated	Poor sulphide mineralization, medium-coarse garnets in fine groundmass. End of Hole	5 to 7	2 to 3	Tr	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 180	Total Depth (m) 238	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 09-Apr-12	Date Completed 12-Apr-12	Date Logged Apr.9-11 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329555
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303989
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	17.5	Casing								
17.5	26.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy sections of chlorite altered biotite, and localized quartz veins. Pyrite is associated with crystals of biotite.	10	0	1 to 2	Tr
26.4	28.5	Altered Biotite Felsic Gneiss	Black and grey	Medium Grained	Well Foliated	Abundant chlorite alteration.	40	0	1	1
28.5	48.9	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Patchy quartz clots, quartz spider veinlets with potassic and sericitic alteration haloes. Localized coarse blebs of pyrite of quartz clots.	5	0	1	Tr
48.9	50.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
50.3	51.8	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Patchy sections of chlorite altered biotite.	10	0	<1	<1
51.8	55.3	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	5	0	1	1
55.3	76.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy vuggy sections of increased biotite that has been chlorite altered. Localized quartz spider veinlets with potassic and sericite alteration haloes.	10 to 15	0	1 to 2	Tr
76.3	81.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Blebbly and disseminated sulfides overall with coarse blebs locally associated with quartz clots. Patchy chlorite alteration.	30	2 to 3	1	1
81.7	89.0	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Silicified sections and patchy chlorite alterations.	5	0	<1	Tr
89.0	100.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed sections of felsic gneiss (G). Localized quartz veins.	30	5	1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
100.1	107.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy biotite rich sections with coarse blebs of sulfides, and localized granitic pegmatite.	5	0	<1	Tr
107.7	121.8	Diorite	Grey and white	Medium Grained	Massive-weakly	Pyrite is associated with crystals of biotite. Localized sections of mm-scale vugs, and quartz spider veinlets with potassic and sericitic alteration haloes.	30	0	<1 to 1	Tr
121.8	139.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Fine disseminated and schlieren sulfides as well. Coarse grained blebs of pyrite and pyrrhotite are often associated with clots of quartz. Localized patches of epidote and siliceous alteration.	40	5	2	1
139.1	144.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Massive-weakly	Sulfides concentrated in the interlayers of garnet biotite felsic gneiss.	5	0	<1 to 1	<1 to 1
144.1	146.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Intermixed sections of granitic pegmatite.	35	5	1	1
146.5	147.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
147.4	186.5	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	1% pyrite overall with 1-2% locally. Localized sections with quartz spider veinlets with potassic and sericitic alteration haloes. Coarser grains of pyrite at the margins of quartz clots. 154.6-156.1m- Interlayer of garnet biotite felsic gneiss. 188.1-181.8m- Fine grained felsic gneiss interlayer. 183.8-186m- Chlorite altered section.	15 to 20	0	1 to 2	Tr
186.5	190.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
190.1	212.0	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Moderately Well Foliated	190.1-191.1, 191.7-192.5m- Granitic Pegmatite. 199.7-201.8m- Quartz vein Patchy coarse blebs of pyrrhotite and pyrite. Intermittent granitic pegmatite clots at lower contact. Intermixed cm-scale sections of amphibolite at 203-206m.	10	Tr	1	<1
212.0	237.8	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Patchy pyrrhotite and quartz veins.	5	7	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 180	Total Depth (m) 245	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 11-Apr-12	Date Completed 13-Apr-12	Date Logged Apr.11-13 2012	Logged By Craig Yuill; Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 329511
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304016
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	38.8	Casing								
38.8	68.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy quartz clots associated with medium grained sulfides at their margins. Sections of broken and blocky core. 61.4-62.8, 64.8-67.4m- Chlorite-altered biotite rich sections with 1-2% pyrite and pyrrhotite.	5	0	<1 to 1	<1
68.1	70.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
70.2	79.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby pyrite, quartz spider veinlets and vuggy sections.	7	0	1	Tr
79.4	81.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
81.1	100.4	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Localized interlayers of garnet biotite felsic gneiss with increased sulfides (<1m).	10	1	1	1
100.4	107.8	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Patchy medium grained blebby pyrite associated with quartz clots.	2	0	<1	Tr
107.8	114.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized fine grained disseminated and schlieren pyrite and pyrrhotite.	30	3	1	1
114.2	115.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Massive-weakly	Patchy muscovite.	2	0	Tr	Tr
115.9	117.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized quartz clots.	30	3	<1 to 1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
117.4	121.6	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Massive-weakly	Patchy quartz spider veinlets with potassic alteration.	1	0	Tr	Tr
121.6	128.8	Diorite	Grey and white	Medium Grained	Massive	Granitic pegmatite sections intermittent with unit at the lower contact.	30	0	<1	Tr
128.8	130.1	Pegmatite	Green, orange, and			Selvages of garnet biotite felsic gneiss.	2	0	Tr	Tr
130.1	134.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse grained	Moderately well-well Foliated	Grey, black and pink medium to coarse grained garnet biotite felsic gneiss with 65% biotite. Presence of local vuggy chloritic altered zones (5%). Unit contains quartz (3%) and quartz-carbonate (2%) fragments. Medium grained clotty pyrite and pyrrhotite associated with quartz and quartz carbonate fragments.	65	8 to 10	2	2 to 3
134.6	135.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Light grey, medium grained, sedimentary felsic gneiss with 10-15% biotite. No visible garnet.	10 to 15		<1 to 1	Tr to <1
135.5	140.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately well-well	Same as previous.	65 to 70	8 to 10	1 to 2	2 to 3
140.7	143.9	Diorite	Grey and white	Medium-coarse	Moderately Well Foliated	Grey and white, medium to coarse grained diorite with 10-15% biotite. Unit contains quartz-carbonate veins and clasts (5-7%). Minor sulphides.	10 to 15	0	<<1	Tr
143.9	168.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately well-well Foliated	Interlayered with a medium to coarse grained granitic felsic gneiss (162.3-163.4m) and a fine to medium grained biotite felsic gneiss containing 35-40% biotite and 1-2% garnet. Unit is also intermixed with local medium to coarse grained granitic pegmatites (2%), and quartz veins and veinlets (1%). Sulphides typically follow foliation and also associated with quartz.	60	8 to 10	1 to 2	2 to 3
168.5	174.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 25-30% biotite and 1% garnet porphyroblasts. 174.4-174.7m: Grey, black and pink medium grained, garnet biotite felsic gneiss (section contains 60% biotite) with 0.1m zone of chloritic alteration. Unit contains local granitic pegmatites (2-3%). Presence of spider veinlets with sericitic alteration haloes (4-5%). Minor disseminated and clotty sulphides. Clots are visible within pegmatitic zones.	25 to 30	1	<1	1
174.7	193.2	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained sedimentary felsic gneiss containing 15% biotite and 15-20% variable sized (3-6mm) sub rounded plagioclase grains. Unit contains 3-4% spider veinlets with sericitic alteration. Presence of carbonate clasts (2-5cm) with chloritic alteration (2%). Trace to minor sulphides	10 to 15	0	<1 to 1	Tr
193.2	195.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous, reduced amount of medium to coarse grained sub rounded plagioclase grains (5-10%).	15	0	Tr to	Tr
195.6	200.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Similar to unit from 174.7-193.2m.	15		<1 to 1	Tr
200.9	204.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local zones of garnet biotite felsic gneiss (2%). Massive white quartz veins (<10cm) and quartz fragments (2-3%). Spider carbonate veinlets with potassic (1-2%) and sericitic (2%) alteration haloes. Trace to minor sulphides.	10	3 to 4	<1	Tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
204.4	207.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Unit intermixed with intervals (0.2-0.3m) of dark/light green, medium grained moderately well foliated amphibole felsic gneiss (5-10%). Minor disseminated sulphides.	10	0	<1	<1
207.8	209.7	Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Weakly Foliated	Altered by fluids of underlying dike. Weakly fractured (10%). 208-208.4m: Coarse grained granitic pegmatite. No visible sulphides.	1 to 3		Tr	Tr
209.7	210.2	UMLAMP Dike	Grey and white	Fine-medium	Dike	Abundant quartz-carbonate veinlets (5%).				
210.2	211.9	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Interlayered with local dioritic zones (15%). Trace to minor sulphides.	5		<1	Tr
211.9	216.1	Amphibole Felsic Gneiss	Dark\Light green	Fine Grained	Moderately Well Foliated	Dark/light green, fine grained amphibole felsic gneiss with 5% biotite and 60-65% amphibole. Unit contains weak chloritic alteration (3-4%). Minor sulphides.	5	<1	<1	<1
216.1	219.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 5-10% biotite and local zones of amphibole felsic gneiss (5%). Presence of quartz carbonate clasts (4-5%).	5 to 10	0	Tr to <1	Tr
219.6	222.5	Amphibole Felsic Gneiss	Dark\Light green	Fine-medium	Moderately Well Foliated	Same as previous, interlayered with intervals (0.1-0.3m) of a grey medium grained sedimentary felsic gneiss (containing 15% biotite).	5		<1	<1
222.5	229.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Unit is interlayered with intervals of coarse grained granitic pegmatites (dominant as 0.2-0.4m sections between 224.2-226.4m) Local zones of biotite felsic gneiss (zones contain 35-40% biotite).	15		<1	<1
229.8	232.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a dark/light green and pink moderately foliated amphibole felsic gneiss (5% biotite and 5-7% garnet).	10	0	<<1	Tr to
232.1	245.0	Amphibolite	Dark\Light green and pink	Medium Grained	Moderately Well Foliated	Amphibolite is intermixed with a fine to medium grained sedimentary felsic gneiss with 15-20% biotite. 236.8-237.2m: Fractured diabase dike. Blebbly pyrrhotite at 239.8m. End of Hole.	5	15 to 20	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 433	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Town
Date Hole Started 13-Apr-12	Date Completed 16-Apr-12	Date Logged Apr13-Apr 16, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 330988
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303809
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden				
3.0	10.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Oxidation weathering (1-2%), amphibole mineralized throughout main groundmass	10	0	1	Tr
10.4	26.7	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately	Fine-medium main groundmass with coarse(<1cm) subrounded plagioclase grains throughout(3-5%), 3-5% sericite and 7-10% potassic alteration	5 to 10		<1 to 1	Tr
26.7	29.1	K-Altered Felsic Gneiss (S)	Pink	Fine-coarse grained	Weakly-moderately	Groundmass identical to over/underlying unit with 70-80% potassic alteration	5 to 10	0	<1	Tr
29.1	46.6	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately	Similar to sedimentary gneiss in 10.4-26.7m interval, 60cm quartz vein at 45.3m depth with <1% clotty pyrite, 3-5% sericite and 5-7% potassic alteration	5 to 10	0	<1	Tr
46.6	47.6	Felsic Gneiss (G)	Grey and white	Fine-medium	Weakly-moderately	Amphibole part of main groundmass, plagioclase has pinkish tinge, 3-5% potassic alteration	10 to 15	0	<1	Tr
47.6	48.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Vuggy, 2-3% potassic alteration	5 to 10	0	<1	Tr
48.5	77.0	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Similar to 46.6-47.6m interval, amphibole also present in bands(<1cm) and amphibole gneiss interlayers(<40cm), 1-2% sericite and 3-5% potassic alteration	10 to 15	0	<1	Tr
77.0	78.8	Diorite	Grey and white	Fine-medium	Weakly-moderately	Upper 50cm is blocky potassic altered sedimentary gneiss, plagioclase crystals can be coarse(<1cm), amphibole part of main groundmass	15 to 20	0	<1	Tr
78.8	95.1	Felsic Gneiss (G)	Grey	Fine-medium grained	Weakly Foliated	Intermixed with fine-medium sedimentary gneiss intervals(<50cm) with slight increase in pyrite mineralization(<1-1%), quartz veins(<10cm) with <1% fine grained clotty sulphides (including chalcopyrite), amphibole mineralized in clots(<3cm) throughout grou	5 to 10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
95.1	104.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Similar to overlying interlayers in granitic gneiss, 40cm barren quartz vein at 98.1m depth, local zones of biotite and pyrite (<2cm), amphibole mineralized in clots(<3cm) throughout groundmass, 2-3% sericite alteration	5 to 7	0	<1 to 1	Tr
104.3	108.3	Felsic Gneiss (S)	Grey and pink	Fine-medium	Moderately Well Foliated	Grain size decreases downhole, 15-20% potassic alteration concentrated mostly in middle section of unit	10		<1 to 1	Tr
108.3	120.8	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately	Carbonate replacement in spider veinlets, pinkish tinge to plagioclase in groundmass(2-3% potassic alteration), 2-3% chlorite alteration	20 to 25	0	Tr	Tr
120.8	128.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Moderately blocky core intermixed with granitic gneiss similar to overlying, 3-5% potassic alteration	5 to 10	0	<1	Tr
128.4	129.7	Clotty Felsic gneiss Amphibolite	Dark Green	Fine Grained	Weakly-moderately	Similar to 108.3-120.8m interval but finer grained	20 to 25	0	Tr	Tr
129.7	134.0	Felsic Gneiss (G)	Grey and pink	Fine-medium	Weakly-moderately	Similar to overlying granitic gneisses, 5-7% potassic alteration	5 to 10	0	<1	Tr
134.0	135.4	UM\LAMP Dike	Black	Fine-medium	Dike	Moderately blocky core	0	0	0	0
135.4	138.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Intermixing of medium granitic and fine sedimentary gneisses, amphibole mineralized in clots(<3cm) and intervals(<5cm), 2-3% sericite alteration	5 to 7	0	<1	Tr
138.5	149.0	Felsic Gneiss (G)	Grey and pink	Fine-medium	Weakly Foliated	Similar to 129.7-134.0m interval, 1-2cm thick UM/LAMP dike from 139.5-140.2m with 10-15 degree angle to core, 2-3% sericite and 7-10% potassic alteration	10	0	<1	Tr
149.0	156.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Quartz vein (50cm) at 150m depth with <1% clotty pyrite and clotty pyrite near contact, local biotite zones(<3cm), 3-5% sericite and 2-3% potassic alteration	7 to 10	0	<101	Tr
156.4	168.2	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Intermixing of granitic and sedimentary gneiss similar to 135.4-138.5m interval, amphibole banding(<3cm), 2-3% sericite and 1-2% potassic alteration	5 to 10	0	<1 to 1	Tr
168.2	177.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixing granitic/sedimentary unit similar to overlying with grain size becoming finer downhole, 1-2% sericite and potassic alteration	5 to 7	0	<1 to 1	Tr
177.7	198.5	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-coarse grained	Weakly-moderately well foliated	Mostly medium grained unit with local zones(<30cm) of finer or coarser grains, interlayering of felsic gneiss(<1-50cm), pinkish tinge to groundmass(2-3% potassic alteration)	15 to 20	0	Tr	Tr
198.5	200.6	Felsic Gneiss (G)	Grey and pink	Fine-medium	Moderately Well Foliated	Notable interlayer within over/underlying clotty amphibolite, 10-15% potassic alteration	5 to 10	0	<1	Tr
200.6	202.6	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Similar to 177.7-198.5m interval, 40cm UM/LAMP dike at 201.5m	15 to 20	0	Tr	Tr
202.6	207.3	UM\LAMP Dike	Black	Fine-medium	Dike	Patches of clotty amphibolite coming through(<50cm elongate), moderately blocky core	0	0	0	0
207.3	210.7	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Similar to clotty amphibolite in 177.7-198.5m interval	15 to 20	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
210.7	222.7	Felsic Gneiss (S)	Grey and pink	Fine-medium	Moderately Well Foliated	UM/LAMP dike intrusions at 216.4m (15cm) 217.0m(1.5m) and 222.2m(50cm), 10-15% potassic and 2-3% sericite altered	10 to 15	0	<1	Tr
222.7	226.7	Felsic Gneiss (G)	Grey	Fine-medium	Moderately Well Foliated	Similar groundmass to overlying but only 1-2% potassic alteration, vuggy in middle portion	10 to 15	0	<1	Tr
226.7	228.7	Diorite	Grey	Fine-medium	Moderately Well Foliated	Vuggy and moderately blocky, amphibole part of main groundmass	10	0	<1 to 1	Tr
228.7	236.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Vuggy in upper half, pegmatite salvages(<10cm), local biotite and amphibole(<2cm) banding, 20-25% potassic alteration in bottom 1.5m(3-5% overall)	5 to 10	0	1	<1
236.0	237.1	Diorite	Dark Grey	Medium-coarse	Weakly-moderately	Similar mineralogically to diorite in 226.7-228.7m interval with coarser grains, 60cm quartz vein at bottom contact with fine grained massive pyrite clots(<5cm)(1%)	15 to 20	0	<1	Tr
237.1	248.0	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Local amphibole banding(<2cm) with increased sulphide mineralization, amphibole mineralization decreases downhole, massive fine grained sulphide clots(5cm elongate) at 239m depth,	10 to 15	0	1	1
248.0	249.6	Felsic Gneiss (G)	Grey and white	Fine-medium	Well Foliated		15 to 20	0	<1 to 1	<1 to 1
249.6	253.4	Pegmatite	Pink	Medium-very coarse	Massive	Poorly sulphide mineralized, 3-5% sericite alteration	2 to 3	0	<1	0
253.4	254.7	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Strong sulphide presence, 3-5% chlorite alteration	1 to 2	0	1 to 2	1 to 2
254.7	272.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Variability in grain size throughout but groundmass composition is consistent, local zones of amphibole mineralization associated with an increase in sulphides, barren quartz veins(<20cm) with increased pyrite mineralization at contacts, 5-7% sericite alte	10 to 15	0	<1 to 1	<1
272.6	274.9	Diorite	Grey and white	Fine-coarse grained	Moderately Well Foliated	Barren quartz vein(25cm) at 273.4m, pinkish tinge to plagioclase in groundmass(2-3%) potassic alteration	15 to 20	0	Tr	0
274.9	276.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pegmatite in 276.0-276.3m interval with increase biotite mineralization at contact	10 to 15	0	<1 to 1	Tr
276.9	281.0	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Similar to 253.4-254.7m interval, sedimentary gneiss interval 279.8-280.6m similar to underlying, 1-2% epidote, 3-5% chlorite alteration	5 to 7	0	1 to 2	1 to 2
281.0	283.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Poorly sulphide mineralized units compared to under/overlying, barren quartz vein(20cm) at 281.9m depth, 2-3% sericite alteration	10 to 15	0	<1	Tr
283.0	287.8	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixing of amphibole and sedimentary gneiss, amphibole zones are similar to 276.9-281.5m interval, local biotite bands (<1cm) in sedimentary gneiss zones, 1-2% chlorite	5 to 10	0	1 to 2	1 to 2
287.8	294.5	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Grain size decreases downhole, local biotite bands(<2cm), 15-20% potassic altered in bottom 2.5m, 3-5% chlorite alteration in upper 1m	5 to 10	0	<1	Tr
294.5	298.9	UM/LAMP Dike	Black	Fine-medium	Dike	Spider veinlets with carbonate replacement	0	0	0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
298.9	302.1	Felsic Gneiss (S)	Grey, green and pink	Fine-medium	Weakly-moderately	Amphibole well mineralized through groundmass as medium grained and increasing downhole, pinkish tinge throughout groundmass(10-15% potassic alteration)	10 to 15	0	<1	0
302.1	303.2	UMLAMP Dike	Black	Fine-medium	Dike	Similar to dike in 294.5-298.9m interval	0	0	0	0
303.2	307.8	Felsic Gneiss (S)	Grey, green and pink	Fine-medium	Massive-weakly	Similar to 298.9-302.1m interval	10 to 15	0	<1	Tr
307.8	317.6	Felsic Gneiss (S)		Fine-medium grained	Moderately Well Foliated	Local biotite bands(<2cm) with increased sulphide mineralization, barren quartz veins(<7cm) with coarser and increased biotite mineralization at contacts, 2-3% sericite alteration	7 to 10	0	<1 to 1	<1 to 1
317.6	319.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Strong sulphide presence, 5-7% chlorite alteration	2 to 3	0	1 to 2	2 to 3
319.6	321.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite banding(<2cm) with garnet and increased sulphide mineralization, local amphibole zones(<5cm)	15 to 20	<1 to 1	<1 to 1	<1 to 1
321.8	327.8	Biotite Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately well-well Foliated	Intermixing of biotite gneiss and chlorite altered amphibole gneiss, amphibole zones not as rich in sulphides (1-2%)like overlying in 317.6-319.6m interval, local zones of garnet biotite felsic gneiss(<20cm)	30 to 35	2 to 3	1 to 2	1 to 2
327.8	336.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Local variations in grain size(fine-coarse) but generally medium grained, biotite banding(<1cm) with increased sulphides, barren quartz veins(<30cm), 1-2% chlorite alteration	10 to 15	0	1	<1 to 1
336.2	339.4	Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately well-well	Intermixing of biotite and amphibole gneiss similar to 321.8-327.8m interval	30 to 35	<1	1 to 2	1
339.4	344.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Similar to 327.8-336.2m interval	10 to 15	0	1 to 2	<1 to 1
344.1	350.1	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately well-well Foliated	Intermixing of amphibole gneiss with biotite felsic gneiss in upper portion grading to a sedimentary gneiss towards lower contact, barren quartz veins(<10cm) with coarse mineralization at the contacts, 3-5% chlorite alteration associated with amphibole, s	15 to 20	<1	1 to 2	2 to 3
350.1	356.6	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately well-well	Intermixing of sedimentary gneiss and coarse grained pegmatite, purple quartz mineralization at 351.9m depth, sulphide and biotite content decreasing downhole	10 to 15	0	1 to 2	1 to 2
356.6	358.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixing with sedimentary gneiss within 50cm of upper and lower contacts due to gradational contact, 3-5% chlorite alteration	5 to 10	0	1 to 2	1 to 2
358.6	364.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Intermixed with intervals of coarse sulphide barren pegmatite(<60cm)(10-15% of unit), coarser and increased biotite mineralization at contacts of pegmatites, local biotite banding and zones(<10cm) with increased sulphides	15 to 20	0	1 to 2	1 to 2
364.6	366.9	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Quartz feldspar porphyry in lower 80cm, strong sulphide presence	30 to 40	0	1 to 2	1 to 2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
366.9	390.0	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Moderately well-well Foliated	Intermixing with coarse pegmatite intervals and salvages similar to 358.6-365.0m interval, pegmatites are white/green/pink with <1% fine grained clotty sulphides, garnet mineralization can occur in local biotite zones, <1% muscovite, 1-2% sericite and pot	15 to 20	1	1 to 2	1 to 2
390.0	395.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Local biotite bands(<1cm), biotite content decreases downhole, 1-2% sericite alteration	15 to 20	0	<1 to 1	<1 to 1
395.1	411.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Amphibole and biotite banding(<2cm),	10 to 15	0	<1 to 1	<1 to 1
411.0	415.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixing of amphibole and sedimentary gneiss, 5-7% sericite alteration	5 to 10	0	<1	<1
415.6	419.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	2-3% sericite alteration, amphibole banding(<1cm) with 1% pyrrhotite mineralization	7 to 10	0	Tr	Tr
419.9	422.0	Amphibolite	Dark Green	Fine-medium	Moderately well-well	Barren quartz vein(20cm), 3-5% chlorite alteration	5 to 7	3 to 5	Tr	<1
422.0	423.1	Felsic Gneiss (S)	Grey	Fine-coarse grained	Moderately well-well	Barren quartz veins(<10cm) with increased biotite mineralization at the contacts, local biotite zones(<15cm)	15 to 20	0	<1	<1 to 1
423.1	433.0	Amphibolite	Dark Green	Fine-coarse grained	Moderately well-well	Footwall amphibolite, 1% galena in quartz veins at 426.4m depth, spider veinlets, 3-5% sericite and chlorite alteration. End of Hole.	5 to 7	7 to 10	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 386	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 16-Apr-12	Date Completed 20-Apr-12	Date Logged Apr.17-20 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329649
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304141
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	24.6	Casing								
24.6	35.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized coarse grained blebby pyrite and pyrrhotite. Localized intermixed granitic pegmatite sections.	10	0	1	<1
35.1	36.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
36.3	49.0	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Localized medium grained blebby pyrrhotite and pyrite associated with bands of biotite. Localized quartz spider veinlets.	5 to 10	0	1	<1
49.0	56.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Patchy <10 cm patches of granitic pegmatite.	5	0	Tr to <1	Tr
56.9	66.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Pervasive quartz spider veinlets with intense sericitic and potassic alteration haloes. Patchy blebby pyrite.	5	0	1 to 2	Tr
66.9	70.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Patchy quartz clots.	2	0	Tr to <1	Tr
70.7	104.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets with seticitic alteration haloes.	10 to 15	Tr	1	Tr
104.4	105.8	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Patchy quartz spider veinlets.	2	0	<1	Tr
105.8	110.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	10 to 15	0	1	<1
110.7	116.8	Diorite	Black and white	Medium Grained	Massive-weakly	Localized vuggy sections, and broken and blocky core.	30	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
116.8	125.6	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Blebbly sulfides are associated with bands of biotite.	30	0	1	1
125.6	218.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized mm-scale vugs, and quartz spider veinlets and veins.	10 to 15	0	1	<1
218.0	232.1	Altered Garnet Biotite Felsic Gneiss	Dark\Light green and	Fine-medium	Moderately Well Foliated	Pervasive chlorite alteration, and patchy mm-scale vugs and epidote alteration.	30	3	<1 to 1	<1 to 1
232.1	246.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized coarse grained blebby pyrite associated with quartz clots and veins.	5		<1 to 1	Tr
246.1	250.4	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration of the biotite.	30	0	1	1
250.4	262.2	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized barren quartz veins and broken and blocky sections.	30	0	<1	Tr
262.2	293.2	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Locally 1-2% coarse grained blebby and disseminated pyrite and pyrite in intermixed biotite rich sections (266, 269, 275, and 284m). Patchy quartz clots, and veins.	15 to 20	0	1 to 2	<1
293.2	305.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized coarse grained blebs of pyrite. Patchy chlorite alteration. Intermixed quartz and granitic pegmatite sections.	30	5	2	1
305.3	329.3	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Pyrite is associated and most abundant within intermixed biotite rich sections. Patchy sections of granitic pegmatite.	20	1	1	<1
329.3	342.8	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets, and granitic pegmatite sections (<30 cm).	30	0	1 to 2	Tr
342.8	370.4	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections (<1 m), sections of felsic gneiss (g) and quartz clots. Patchy garnet porphyroblasts, within bands of biotite associated with increased pyrrhotite, and pyrite.	15	<1	1	<1
370.4	371.7	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets with sericitic alteration haloes.	5	10	1	Tr
371.7	373.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Pervasive quartz spider veinlets with sericitic alteration haloes. Pyrite and pyrrhotite are associated with crystals of biotite.	5	0	<1	<1
373.9	386.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets. Patchy very-coarse grained garnet porphyroblasts. 386m is the end of the hole.	5	10	Tr	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 518	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 16-Apr-12	Date Completed 23-Apr-12	Date Logged Apr16-Apr23, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 330369
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304150
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	18.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10% biotite and 2-4% chloritic alteration. Spider veinlets with sericitic alteration. Trace to minor disseminated sulphides.	10	0	1	Tr
18.1	21.1	UM\LAMP Dike	Grey	Medium Grained	Dike					
21.1	31.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sericitic alteration haloes (2-4%). Trace to minor sulphides.	10	0	<1	Tr
31.9	35.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		15 to 20		1 to 2	Tr
35.7	37.2	UM\LAMP Dike	Grey	Medium Grained	Dike					
37.2	73.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite. Intermixed with a medium grained conglomerate felsic gneiss 5-10%) with Intervals of UM/LAMP Dikes (50.6-51.1m and 56.3-56.7m). Spider veinlets with sericitic alteration haloes (15%). Presence of local chloritic alteration (3-5%). Moderate disseminated medium grained pyrite throughout unit, clotty pyrite is associated with chloritic altered quartz-carbonate fragments.	10 to 15	0	1 to 2	Tr
73.1	74.6	Amphibole Felsic Gneiss	Grey and dark green	Medium Grained	Moderately Well Foliated	Grey and dark grey, medium grained amphibole felsic gneiss with 10% biotite and 30% amphibole. No visible sulphides.	10	0	Tr	Tr
74.6	80.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		15	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
80.2	81.7	UMLAMP Dike	Grey	Fine Grained	Dike					
81.7	83.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	<<1	Tr
83.9	90.3	Amphibole Felsic Gneiss	Dark\Light green	Medium Grained	Moderately Well Foliated	Dark/light green, medium grained amphibole felsic gneiss with 5-10% biotite. Intermixed with a medium grained amphibolite. Minor medium grained disseminated pyrite.	5 to 10	0	1	Tr
90.3	106.3	Diabase Dike	Black	Fine Grained	Dike					
106.3	111.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	<1	Tr
111.1	116.2	UMLAMP Dike	Grey and white	Medium Grained	Dike					
116.2	120.4	Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a fine to medium grained unaltered conglomerate felsic gneiss (10%). Trace to minor sulphides.	5		<1	Tr
120.4	122.4	UMLAMP Dike	Grey	Medium Grained	Dike					
122.4	123.2	Altered Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Same as previous.	5	0		
123.2	127.3	UMLAMP Dike	Grey	Medium Grained	Moderately Well Foliated					
127.3	134.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	<1	Tr
134.7	145.6	K-Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	136-136.6m and 140.1-140.8m: dark green, medium grained chlorite (5-7%) altered sedimentary felsic gneiss intermixed with a granitic felsic gneiss	10	0	<1	Tr
145.6	152.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Spider veinlets with sericitic alteration haloes (5%).	10 to 15	0	<1	Tr
152.2	153.6	Quartz Vein	White	Coarse-very coarse	Massive	Presence of chloritic altered sedimentary felsic gneiss clasts (10-15cm). Blebby, coarse grained pyrite found along contact of quartz vein and amphibole felsic gneiss.	<2	0	<1	Tr
153.6	157.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	1	Tr
157.2	176.4	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Presence epidote (1-2%) alteration along veinlets. White barren quartz veinlets and fragments (1-2%).	10 to 15	0	<1	Tr
176.4	186.4	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Weakly-moderately	Grey, white and pink potassically altered felsic gneiss with 5-10%. Carbonate spider veinlets (<1%).	5 to 10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
186.4	188.3	Diabase Dike	Black	Fine Grained	Dike					
188.3	195.0	K-Altered Felsic Gneiss (S)	Grey and pink	Fine-medium	Weakly-moderately	Same as previous.	5 to 10		<1	Tr
195.0	206.8	Felsic Gneiss (S)	Grey	Fine to Medium grained	Weakly foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10% biotite. Interlayered with a dark green medium grained amphibole felsic gneiss (10%). White, barren quartz veins and fragments. Spider quartz-carbonate veinlets with sericite alteration haloes.	10 to 15		1 to 2	Tr
206.8	211.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite and 10% potassium feldspar. Presence of quartz carbonate fragments/clasts (1-2%). Minor chloritic alteration (1-2%). Minor fine to medium grained pyrite (1%), no association.	10 to 15	0	1	Tr
211.1	215.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 15% biotite, interlayered with a dark green, medium grained amphibole felsic gneiss (40% of unit). Presence of chloritic alteration (7-10%).	15	0	1 to 2	Tr
215.8	219.6	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Dark green, fine grained amphibolite with 2-5% biotite and 1-2% chloritic alteration. Minor sulphides, disseminated and streaky pyrite.	2 to 5	0	1	
219.6	223.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous, 5% intermixed local amphibole felsic gneiss zones.	15	0	1	Tr
223.0	240.0	Amphibolite	Dark Green	Fine-medium grained	Moderately Well Foliated	Intermixed with dark green, fine to medium grained amphibole felsic gneiss (15%). Intervals of diabase dikes at (227.7-228.1m, 233.2-233.7m and 234.1-234.2m). Quartz fragments (2-3%) and spider quartz carbonate veins (2%). Clots of pyrite associated with chloritic alteration and carbonate fragments.	10 to 15	0	1 to 2	
240.0	246.8	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Grey, fine to medium grained sedimentary felsic gneiss interlayered with a medium to coarse grained diorite (10%) and amphibole felsic gneiss (5%).	10	0	1	Tr
246.8	250.2	K-Altered Felsic Gneiss (S)	Grey and Pink	Fine-medium	Weakly-moderately	Grey and pink, fine to medium grained potassically altered sedimentary felsic gneiss. Quartz vein (247.3-247.5m) with <<1% fine grained disseminated pyrite.	10 to 15		<1	Tr
250.2	252.4	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		15	0	<1	Tr
252.4	261.1	K-Altered Felsic Gneiss (S)	Pink and grey	Fine-medium	Weakly-moderately	Same as previous.	10	0	1	Tr
261.1	262.7	UMLAMP Dike	Grey	Fine-medium	Dike	262.1-262.3m: altered sedimentary felsic gneiss.				
262.7	270.2	K-Altered Felsic Gneiss (S)	Pink and grey	Fine-medium	Weakly Foliated		10	0	<1	Tr
270.2	270.8	UMLAMP Dike	Grey	Medium Grained	Dike					
270.8	272.5	K-Altered Felsic Gneiss (S)	Pink and grey	Medium Grained	Weakly-moderately	Same as previous.	10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
272.5	279.4	UM\LAMP Dike	Grey	Fine Grained	Dike	273.8-274.4m and 277.5-277.7m: medium grained potassically altered sedimentary felsic gneiss, no visible sulphides				
279.4	281.8	Diorite	Grey, white, and pink	Medium-coarse	Weakly-moderately	Grey, white and pink medium to coarse grained diorite with 10% biotite and 25% potassically altered plagioclase grains. Minor fine grained disseminated pyrite.	10	0	<1	Tr
281.8	286.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10-15% biotite and 5-7% spider veinlets with potassic alteration haloes. Minor fine grained disseminated pyrite.	10 to 15	0	<1	Tr
286.3	290.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with a dark grey, medium grained sedimentary felsic gneiss with 15% biotite. Minor fine grained disseminated pyrite.	15	0	<1	Tr
290.1	292.3	Felsic Gneiss (S)	Grey and pink	Fine-medium	Well Foliated	Quartz-carbonate clasts and fragments (5%).	10	0	<1	Tr
292.3	300.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Interlayered with fine to medium grained sedimentary felsic gneiss with 5-10% biotite. 297.1-297.4m: UM\LAMP dike with angular plagioclase and biotite (3-5mm).	10 to 15	0	<1	Tr
300.0	306.2	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Dark green, medium grained amphibole felsic gneiss with 20% biotite and 60-65% amphibole. Chloritic alteration (2%) and barren potassically altered quartz-carbonate clasts (2-3%). Trace to minor sulphides.	20	0	<<1	Tr
306.2	322.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Intermixed with a medium to coarse grained granitic felsic gneiss (10%) and a coarse grained granitic pegmatite (25%). Interval of amphibole felsic gneiss at 312.3-313.1m. 317.6-317.9: medium grained UM\LAMP dike. Clotty pyrite associated with granitic felsic gneiss.	15	0	<1	Tr
322.3	326.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 20% biotite. Intermixed with a dark green, medium grained amphibole felsic gneiss. Quartz-carbonate spider veinlets (1-2%). Minor presence of fine grained disseminated pyrite.	20	0	<1	Tr
326.8	328.8	K-Altered Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Grey fine to medium grained K-altered felsic gneiss with 10% biotite and 30-35% potassic alteration. Trace to minor sulphides.	10	0	<<1	Tr
328.8	336.3	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Dark grey, medium grained biotite felsic gneiss with 30-35% biotite, interlayered with a medium grained sedimentary felsic gneiss (with 5% biotite, 331.3-332.1m). Chloritic alteration (2%) and quartz fragments (5%).	30 to 35		1	1
336.3	341.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite and 1-2% chlorite alteration. Minor clotty pyrite associated with chlorite alteration.	10 to 15	0	<1	<<1
341.8	359.4	K-Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	Grey and pink, medium grained K altered sedimentary felsic gneiss with 10-15% biotite. Intermixed with a medium to coarse grained granitic felsic gneiss. Quartz fragments and veinlets (2-3%). Trace to minor disseminated sulphides, predominantly pyrite, pyrite associated with quartz veinlet.	10 to 15	0	<1	Tr
359.4	370.3	Amphibole Felsic Gneiss	Dark Green and Grey	Medium Grained	Moderately Well Foliated	Dark green and grey, medium grained amphibole felsic gneiss with 15% biotite and 5-10% potassium alteration. Trace sulphides.	5 to 10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
370.3	373.1	K-Altered Felsic Gneiss (S)	Pink and dark grey	Medium Grained	Moderately Well Foliated	Pink and grey, medium grained potassically altered sedimentary felsic gneiss with 5-10% biotite and 10% amphibole. Presence of quartz carbonate fragments. No visible sulphides.	5 to 10	0	Tr	Tr
373.1	376.9	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Weakly Foliated	Dark grey, fine grained biotite felsic gneiss with 30-35% biotite. Presence of potassic (2%) and sericitic (2-3%) alteration. Minor sulphides, dominantly fine grained disseminated and streaky pyrite.	30 to 35	0	1	Tr
376.9	379.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 5-10% biotite and 25-30% variable sized plagioclase grains. Minor fine grained disseminated pyrite.	5 to 10	0	<1	Tr
379.1	381.8	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Dark grey, fine grained biotite felsic gneiss with 30% biotite and chloritic (3-4%) alteration. Quartz carbonate spider veinlets with sericitic alteration haloes. Minor fine grained streaky and disseminated pyrite.	30	0	1	Tr
381.8	389.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10% biotite and 25% plagioclase feldspar. Interlayered with a fine grained biotite felsic gneiss (same as previous). Presence of chloritic alteration (1-2%). Minor fine grained disseminated pyrite.	10	0	1	Tr
389.3	392.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 5-10% amphibole and 10% biotite. Minor fine grained disseminated pyrite.	10	0	<1	Tr
392.0	397.9	Amphibole Felsic Gneiss	Grey	Medium Grained	Moderately Well Foliated	Interlayered with intervals of sedimentary felsic gneiss. Presence of quartz fragments (1-2%), chloritic alteration (2-3%) and potassic (10-15%) alteration. Clotty fine grained pyrite associated with chloritic alteration and quartz fragments.	10	0	<1	Tr
397.9	409.3	Felsic Gneiss (S)	Grey and dark green	Medium Grained	Moderately Well Foliated	Grey and dark green, medium grained amphibole felsic gneiss with 15% biotite and 40-45% amphibole. Potassic (5-8%) alteration. Minor fine grained disseminated pyrite.	15	0	1	Tr
409.3	411.2	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained amphibole felsic gneiss (with 25-30% amphiboles). Presence of chloritic (1-2%) alteration. Minor fine grained disseminated pyrite, no association.	10 to 15	0	<1	Tr
411.2	433.7	Amphibole Felsic Gneiss	Grey and dark green	Medium Grained	Moderately Well Foliated	Grey and dark green medium grained sedimentary felsic gneiss with 10% biotite and 30-35% amphibole grains. Interval of biotite felsic gneiss (417.5-417.9m) with quartz carbonate fragments, and dark green fine grained amphibole felsic gneiss (425.1-425.6m). Spider veinlets with potassic alteration haloes (10%). Minor fine grained disseminated pyrite.	10	0	<1	Tr
433.7	434.3	UMLAMP Dike	Dark Grey	Medium Grained	Dike					
434.3	437.5	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous. Minor alteration from dikes. No visible sulphides.	5 to 10	0	Tr	Tr
437.5	439.8	UMLAMP Dike	Dark Grey	Fine-medium	Dike	Unit is moderately fractured/broken.				
439.8	443.7	Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	Grey and Pink, medium grained, sedimentary felsic gneiss with 10% biotite and 15-20% potassic alteration. Trace to minor sulphides, dominantly pyrite.	10	0	<<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
443.7	447.8	UM\LAMP Dike	Grey	Fine Grained	Dike					
447.8	482.6	Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	Grey and pink medium grained sedimentary felsic gneiss with 15% biotite and 30-35% amphibole. Quartz fragments and veinlets (<2%). Presence of potassic alteration (15-20%). 447.8-448m: intense alteration from dike. Minor fine to medium grained disseminated and clotty pyrite.	15	0	<<1	Tr
482.6	483.6	Diabase Dike	Grey	Fine Grained	Dike					
483.6	484.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	Tr	Tr
484.5	518.0	Diabase Dike	Black and white	Fine Grained	Dike	End of Hole				

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 205	Total Depth (m) 492	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 16-Apr-12	Date Completed 21-Apr-12	Date Logged Apr 17-Apr 21, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331056
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303771
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.0	Casing				Overburden				
9.0	25.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Amphibole banding and clots(<2cm) throughout groundmass with increased pyrite mineralization, quartz veins and fragments with <1-1% fine grained clotty(<1cm) pyrite and coarse biotite mineralization at the contact, 2-3% sericite alteration	7 to 10	0	1 to 2	Tr
25.7	32.7	Felsic Gneiss (S)	Grey	Fine-coarse grained	Moderately Well Foliated	Overlying contact is gradational, groundmass is fine-medium grained with 1-2% coarse(<1cm) subrounded-rounded plagioclase crystals throughout, 2-3% sericite alteration	7 to 10	0	<1 to 1	<1
32.7	35.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Fine grained interlayer within coarser sedimentary gneiss	7 to 10	0	1	<1
35.3	63.0	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately	Similar to 25.7-32.7m interval, clotty amphibolite interlayers(<10cm), amphibole content decreases downhole, trace fine grained muscovite, 2-3% sericite and potassic alteration	5 to 7		<1 to 1	<1
63.0	64.8	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Intermixed with fine-medium sedimentary gneiss, 1-2% chlorite alteration	7 to 10	0	<1 to 1	Tr
64.8	77.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Amphibole clots and bands(<2cm) with 2-3% chlorite alteration, altered by dike in bottom 1m	7 to 10	0	<1 to 1	Tr
77.1	79.7	UMLAMP Dike	Black	Fine-medium	Dike		2 to 3			
79.7	84.5	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Weakly-moderately	Similar groundmass to 25.7-32.7 but blueish grey alteration due to overlying dikes,	5 to 7	0	<1 to 1	Tr
84.5	87.7	UMLAMP Dike	Black and grey	Fine-coarse grained	Dike		3 to 5	0	0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
87.7	89.2	Altered Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Weakly-moderately	Altered blueish/reddish tinge due to underlying and overlying dike intrusions	5 to 7	0	<1	Tr
89.2	90.2	UMLAMP Dike	Black and grey	Fine-medium	Dike		3 to 5	0	0	0
90.2	106.2	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately well foliated	Similar groundmass to 25.7-32.7m interval, amphibole content increases downhole with increased sulphides, quartz vein(40cm) at 103.5m depth with 1% fine grained clotty sulphide mineralization, alteration by overlying dike(2-3%, similar to overlying)	7 to 10	0	<1 to 1	Tr
106.2	135.7	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately well-well	Poor sulphide mineralization, local interlayers(<20cm) of sedimentary felsic gneiss in top half, local areas of finer grains.	25 to 30	0	Tr	Tr
135.7	138.0	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Amphibole mineralized throughout groundmass, moderately vuggy.	7 to 10	0	<1 to 1	Tr
138.0	139.0	Clotty Felsic gneiss Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Similar to 106.2-135.7m interval but fine grained groundmass	15 to 20	0	Tr	Tr
139.0	143.8	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Quartz veins/fragments with <1% fine grained clotty sulphides and coarse mineralization at the contact, amphibole mineralization is clotty(<1cm)	10 to 15	0	<1	Tr
143.8	145.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Similar to overlying sedimentary gneiss but finer grained interval	10 to 15	0	<1 to 1	Tr
145.7	160.0	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar to 135.7-138.0m interval with increased sulphide mineralization, clotty sulphides in quartz veins, local zones of finer grains(<50cm).	10 to 15	0	1	<1
160.0	164.5	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Similar to 106.2-135.7m interval with increased sulphide mineralization	20 to 25	0	<1 to 1	Tr
164.5	172.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Amphibole interlayering (<50cm) in upper 2m of unit, grain size becomes finer downhole, 1-2% sericite alteration	5 to 7	0	<1 to 1	<1
172.4	174.5	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Pink tinge to groundmass and stringers veinlets, poor sulphide mineralization.	10 to 15	0	Tr	0
174.5	181.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local amphibole zones(<3cm), pyrite abundance increases away from upper/lower contacts	10 to 15	0	1	<1
181.0	183.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Strong pyrite mineralization, quartz vein(40cm) with fine grained clotty sulphides(<1%) and coarse mineralization at the contacts, 3-5% chlorite alteration.	5 to 10	0	2 to 3	<1 to 1
183.7	186.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite banding(<1cm) with increased pyrite mineralization, amphibole mineralized throughout groundmass, 1-2% sericite alteration.	15 to 20	0	1	Tr
186.2	189.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Similar to 172.4-174.5 interval	20 to 25	0	Tr	0
189.4	196.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Interlayers of granitic felsic gneiss(<10cm), pyrite abundance decreases downhole, zones of amphibole have increased sulphide mineralization.	10 to 15	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
196.5	197.5	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Similar to 181.0-183.7m interval	7 to 10	0	2 to 3	<1
197.5	207.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Similar to 189.4-196.5m interval, biotite banding(<1cm) with increased sulphides, biotite abundance decreases downhole, 1-2% potassic alteration.	20 to 25	0	1	<1
207.2	208.8	Felsic Gneiss (G)	Dark Grey	Fine-medium	Moderately Well Foliated	Amphibole mineralized throughout groundmass, <1% fine grained muscovite, 1-2% potassic alteration.	15 to 20	0	<1	0
208.8	216.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Barren quartz veins(<40cm), 50cm fine-medium diorite interval at 214.0m, biotite banding(<1cm), similar to 197.5-207.2m interval	10 to 15	0	1 to 2	Tr
216.1	217.9	Diorite	Black and white	Fine-coarse grained	Moderately Well Foliated		20 to 25	0	1 to 2	0
217.9	228.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	UMLAMP dike(30cm) at 222.5m depth, 221.1-221.6m interval with 5% sulphides and increased amphibole, similar to 209.8-216.1m interval	10 to 15	0	1 to 2	<1 to 1
228.0	230.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Strong sulphide mineralization, 2-3% chlorite alteration	10 to 15	0	2 to 3	2 to 3
230.3	235.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite banding(<1cm) and amphibole zones(<5cm) with increased sulphides, 2-3% sericite alteration	10 to 15	0	1 to 2	<1 to 1
235.9	241.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Similar to 228.0-238.3m interval, sedimentary felsic gneiss intermixing within 1m of upper/lower contact	<5	0	2 to 3	1 to 2
241.3	242.6	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately well-well	Local biotite banding(<1cm) with increased sulphide mineralization, 1-2% sericite alteration	10 to 15	0	1 to 2	1 to 1
242.6	243.4	Pegmatite	Pink	Coarse-very coarse	Massive	Pyrite is tarnished	1 to 3	0	<1	0
243.4	247.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Intermixed with sedimentary felsic gneiss within 1.5m of lower contact, 3-5% chlorite alteration	5 to 7	0	1 to 2	1 to 2
247.7	249.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite bands(<1cm) with increased sulphide mineralization	5 to 10	0	<1 to 1	Tr
249.3	251.2	Diorite	Grey and white	Fine-coarse grained	Moderately Well Foliated	Pinkish tinge to groundmass increasing downhole(10-15%)	20 to 25	0	<1 to 1	
251.2	253.9	Felsic Gneiss (S)	Grey and pink	Fine-medium	Moderately well-well	Similar to 247.7-249.3m interval with 20-25% potassic alteration	10 to 15	0	<1 to 1	Tr
253.9	255.1	UMLAMP Dike	Black and grey	Fine-medium	Dike		5 to 7	0	Tr	0
255.1	265.2	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixed with a sedimentary felsic gneiss and a biotite felsic gneiss(50%) with 7-10% disseminated sulphides within 40cm of lower contact, 3-5% chlorite alteration	5 to 10	0	1 to 2	1 to 2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
265.2	266.3	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	2-3% potassic alteration	7 to 10	0	Tr	Tr
266.3	266.8	UMLAMP Dike	Black and grey	Fine Grained	Dike		5 to 7	0	<1	
266.8	267.7	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Similar to 265.2-266.3m interval	7 to 10	0	Tr	Tr
267.7	271.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss in upper 1m, stringer veins(1%), 1-2% chlorite alteration	5 to 7	0	<1	<1
271.3	275.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite banding(<2cm) with increased sulphide mineralization, barren quartz veins(<10cm) with coarse mineralization at the contacts, 1-2% sericite alteration	7 to 10	0	<1 to 1	<1 to 1
275.2	284.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss in the upper half, amphibole content decreases downhole, 2-3% chlorite alteration	7 to 10	0	<1	Tr
284.6	285.6	Pegmatite	Pink	Coarse-very coarse	Massive		1 to 2	0	<1	<1
285.6	288.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Same as 275.2-284.6m interval.	10 to 15	0	<1	Tr
288.4	291.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite banding(<2cm), biotite increases downhole, quartz veins(<5cm) with <1% sulphide, pink pegmatite intervals(<40cm). Similar to 284.6-285.6m with trace sulphides.	7 to 10	0	<1 to 1	Tr
291.9	299.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixing of sedimentary felsic gneiss(similar to overlying) and a sulphide rich amphibole felsic gneiss, sulphide content increases downhole, 3-5% chlorite alteration.	10 to 15	0	1 to 2	2 to 3
299.7	325.0	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Moderately well-well Foliated	Intermixed with coarse trace sulphide pegmatites throughout and local zones of granitic gneiss(<50cm), unit is mostly fine-medium grained with local variations in grain size(fine-coarse) in/around intermixing zones, local biotite zones(<30cm).	15 to 20	Tr	1 to 2	1 to 2
325.0	326.4	Diorite	Grey	Fine-medium	Moderately Well Foliated	Pinkish tinge to groundmass(1-2% potassic alteration)	25 to 30	0	Tr	Tr
326.4	336.1	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Sedimentary felsic gneiss interlayer(0.7m) similar to underlying at 329.3m, trace sulphide coarse pegmatite intervals(<50cm), barren quartz veins(<10cm), sulphides increase downhole, 3-5% chlorite alteration	15 to 20	0	1 to 2	1 to 1
336.1	341.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well		10 to 15	0	<1 to 1	<1 to 1
341.2	345.5	Biotite Felsic Gneiss	Dark Grey	Fine-coarse grained	Moderately well-well	Fine grained unit with coarse biotite at the contacts of pegmatites and quartz veins	30 to 40	0	1 to 2	1 to 2
345.5	346.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	10cm barren quartz vein and 40cm fine-medium diorite interval at bottom contact	5 to 7	0	<1	<1
346.8	349.9	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Groundmass composition not overly discernable(10-15% sericite and 10-15% chlorite)		0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
349.9	354.0	Felsic Gneiss (G)	Grey, white, and pink	Fine-coarse grained	Weakly-well foliated	Intermixing of granitic felsic gneiss, biotite felsic gneiss and pegmatites. Sedimentary felsic gneiss zones are fine-medium grained with 2-3% sulphides, granitic felsic gneiss as fine-coarse with 1% muscovite and <1% sulphides and pink tinge, 0.3m amphibole gneiss interval at 351.0m, 3-5% potassic alteration.	15 to 20	0	1 to 2	1 to 2
354.0	358.6	Biotite Felsic Gneiss	Variable Grey	Fine-coarse grained	Moderately well-well	Similar to 341.2-345.5m interval with slightly coarser groundmass	30 to 40	0	1 to 2	2 to 3
358.6	362.0	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Altered within 1m of upper/lower contact, up to 359.8m is boarderline garnet biotite gneiss, amphibole mineralized throughout groundmass	60	5 to 7	1	1 to 2
362.0	364.3	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Moderately well-well	Intermixed with coarse pegmatite, local biotite zones with increased sulphides, 2-3% sericite alteration	10 to 15	0	<1 to 1	<1 to 1
364.3	368.2	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Fine-medium sedimentary gneiss interlayer(0.8m) at 365.3m with <1% sulphodes, amphibole mineralized throughout groundmass and increasing downhole, 2-3% sericite alteration and 1-2% carbonnate stringer veins	40 to 50	<1	1 to 2	<1 to 1
368.2	373.8	Felsic Gneiss (G)	Grey	Fine-coarse grained	Moderately well-well	Intermixed with coarse pegmatites, coarse mineralization at/around contacts local biotite zones(<5cm) with increased sulphides, 5-7% sericite alteration	15 to 20	0	<1 to 1	<1 to 1
373.8	375.4	Diorite	Grey and white	Fine-medium	Moderately Well Foliated	Greenish tinge to groundmass(7-10% sericite alteration)	20 to 25	0	<1	<1
375.4	377.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Amphibole banding(<2cm), intermixed with pegmatite intervals(<20cm), 5-7% sericite alteration	10 to 15	0	<1	<1
377.5	379.9	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Amphibole mineralization occurs throughout groundmass and increases downhole, 1-2% sericite alteration	40 to 50	5 to 7	1	1
379.9	386.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Amphibole banding(<4cm), grain size increases slightly downhole, 3-5% sericite and 1-2% potassic alteration	7 to 10	0	<1 to 1	<1
386.6	392.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Amphibole mineralized throughout groundmass, altered within 50cm of lower contact by dike, biotite banding(<1cm), 1-2% potassic and sericitic alteration.	10 to 15	0	<1 to 1	Tr
392.9	394.4	UMLAMP Dike	Black	Fine-medium	Dike		10 to 15	0	<1	0
394.4	401.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 386.6-392.9m interval with sulphide content decreasing downhole.	10 to 15	0	Tr	Tr
401.3	403.5	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixed with sedimentary felsic gneiss, 5cm footwall amphibolite interval at 401.6m, 2-3% chlorite alteration	15 to 20	Tr	<1	<1 to 1
403.5	410.0	Felsic Gneiss (S)	Grey and white	Fine-coarse grained	Moderately well-well	0.6m footwall amphibolite interval at 407.7m and 0.7m coarse pegmatite at 404.8m, biotite content increases downhole, 2-3% sericite alteration.	7 to 10	<1	<1	<1 to 1
410.0	411.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixing similar to 401.3-403.5m, with 10cm interval of footwall amphibolite at lower contact	7 to 10	<1	Tr	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
411.6	416.2	Felsic Gneiss (S)	Grey and white	Fine-coarse grained	Moderately well-well Foliated	Pegmatite interval(15cm) with coarse biotite mineralization at the contact, amphibole mineralized throughout groundmass, 1-2% sericitic alteration, amphibole interlayering(<20cm) at 413.9m to lower contact	10 to 15	0	<1	<1
416.2	427.6	Amphibolite	Dark Green	Fine-medium grained	Moderately well-well Foliated	Local zones of fine grained biotite(<0.5m) and trace garnet mineralization within amphibolite, bottom 1.5m slowly grades out of amphibolite, 1-2% stringer veinlets, 2-3% chlorite alteration	7 to 10	3 to 5	Tr	<1
427.6	428.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Sedimentary gneiss interlayer within amphibolite, 1-2% sericite alteration	10 to 15	0	Tr	Tr
428.8	436.5	Amphibolite	Dark Green	Fine-medium	Moderately well-well	Similar to amphibolite in 416.2-427.6m interval, bottom 1.5m grades to underlying unit, 5-7% chlorite alteration	7 to 10	3 to 5	Tr	1
436.5	437.4	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	No visible sulphides, fine grained groundmass with medium-coarse garnet, 2-3% sericitic alteration	5 to 7	1 to 2	0	0
437.4	440.4	Amphibolite	Dark Green	Fine-coarse grained	Moderately Well Foliated	Fine grained groundmass with medium-coarse garnet, 5-7% galena in sericitic altered veinlet (2cm) at 438m depth	5 to 7	7 to 10	Tr	1
440.4	441.6	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	<1% chalcopryite in massive pyrrhotite interval(440.6-441.2m,7-10%)	3 to 5	0	0	3 to 5
441.6	445.5	Amphibolite	Dark Green	Fine-coarse grained	Moderately Well Foliated	Similar to overlying amphibolite, massive pyrite patch(5cm) at lower contact is only visible pyrite in unit, 1-2% sericite and 3-5% chlorite alteration	7 to 10	5 to 7	<1	1
445.5	448.7	Felsic Gneiss (S)	Dark Grey	Very Fine-fine grained	Moderately well-well	Local biotite bands(<1cm), massive 3cm pyrrhotite band at lower contact, 2-3% sericitic alteration.	3 to 5	Tr	0	<1 to 1
448.7	458.0	Felsic Gneiss (S)		Fine-medium	Moderately well-well	Local biotite bands(<1cm) and zones(<30cm) with slight(<1%) pyrrhotite mineralization, grain size coarsens downhole, 1-2% sericitic alteration.	10 to 15	0	Tr	<1
458.0	459.4	Felsic Gneiss (G)	Grey and white	Fine-coarse grained	Weakly-moderately	Intermixed with a coarse grained granitic pegmatite.	5 to 7	0	Tr	Tr
459.4	464.2	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Amphibole banding(<1cm) and interlayers(<40cm), 3-5% sericitic alteration	7 to 10	0	Tr	Tr
464.2	466.8	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Amphibole mineralized throughout groundmass, 3-5% sericitic alteration	10 to 15	0	Tr	Tr
466.8	469.4	UMLAMP Dike	Black and green	Fine-medium	Dike	Alteration by dike within 0.4m of contacts.			Tr	0
469.4	473.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Interlayering of amphibole(120/50/100cm) and sedimentary gneiss(40/110cm) similar to underlying, amphibole units have trace sulphide and rich in biotite(25-30%), possible yellowish green chromite alteration(2-3%) within 40cm of upper contact, 2-3% sericite	10 to 15	0	Tr	Tr
473.7	486.7	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Nearly barren of sulphides, amphibole clots(<1cm) dispersed throughout groundmass, 1-2% sericitic alteration	7 to 10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
486.7	491.2	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Fine grained intermixing of biotite rich sedimentary gneiss and footwall amphibolite from 486.7-488.1m with <1-1% fine grained chalcopyrite, 3-5% chlorite alteration	7 to 10	7 to 10	Tr	1 to 2
491.2	492.0	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar to 473.7-486.7m interval. End of hole.	7 to 10	0	Tr	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 443	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 20-Apr-12	Date Completed 24-Apr-12	Date Logged Apr.20-24 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329649
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304141
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	20.5	Casing								
20.5	42.0	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Moderately Well Foliated	Localized sections of 1-2% sulfides associated with increased biotite content. Localized medium-coarse grained blebs of pyrite and pyrrhotite. Localized clots of granitic pegmatite. Brecciation at lower contact due to intruding dike.	5	0	<1 to 1	<1 to 1
42.0	45.9	UMLAMP Dike	Black and white	Fine Grained	Massive					
45.9	80.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Unit is brecciated at upper contact and 50m depth due to intruding dike. Intermittent quartz spider veinlets with intense potassic and sericitic alteration haloes. Intermixed sections of increased biotite. Biotite in these sections are often chlorite alte	5 to 10	0	1	<1
80.8	86.9	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Chlorite altered biotite rich unit.	30	0	1	Tr
86.9	119.9	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized sections of 1-2% pyrite, and medium grained blebby pyrrhotite, often associated with sections of increased biotite. Patchy vugs, with crystalline epidote. Patchy garnet porphyroblasts.	10 to 15	2	1	<1 to 1
119.9	120.9	UMLAMP Dike	Black and white	Fine Grained	Massive					
120.9	137.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized blebby pyrrhotite, and quartz clots, and quartz spider veinlets. 134m - 15 cm vein of semi-massive pyrite.	35	7	2	1
137.8	146.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized broken\blocky sections of core, patchy vugs and replacement epidote.	5 to 10	0	1	Tr
146.4	149.8	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Sulfides are associated with crystals of biotite.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
149.8	158.2	Altered Biotite Felsic Gneiss	Black and green	Medium Grained	Moderately Well Foliated	Pervasive chlorite alteration of biotite and amphibole.	40	0	1	1
158.2	166.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized granitic pegmatite sections with associated coarse blebby pyrite.	5 to 10	0	1	Tr
166.1	181.4	Altered Biotite Felsic Gneiss	Black and green	Medium Grained	Moderately Well Foliated	Pervasive chlorite alteration, and patchy quartz spider veinlets.	35	0	<1	<1
181.4	193.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy chlorite alteration of biotite.	5	0	<1 to 1	Tr
193.7	211.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Abundant quartz spider veinlets with intense sericitic and potassic alteration haloes.	30	0	1	Tr
211.6	216.5	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Blebby sulfides are associated with biotite bands and the margins of intermixed quartz pegmatite sections.	30	0	<1 to 1	<1 to 1
216.5	231.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite, often associated with biotite rich sections and the margins of quartz clots.	15	0	1 to 2	<1
231.8	234.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Pyrite is associated with crystals of biotite.	30	0	1	Tr
234.5	244.5	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Patchy quartz clots and spider veinlets.	5	0	<1	Tr
244.5	249.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
249.3	259.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz veins, veinlets, and medium grained blebs of pyrite and pyrrhotite.	5	0	<1 to 1	<1 to 1
259.4	265.4	Felsic Gneiss (G)	Grey and white	Coarse Grained	Weakly-moderately	Patchy quartz clots, and veins with coarser grained pyrite associated with their margins.	5	0	1	Tr
265.4	282.4	Altered Biotite Felsic Gneiss	Black and green	Fine-medium	Moderately Well Foliated	Localized medium grained blebs of pyrite and pyrrhotite. Pervasive chlorite alteration of the biotite.	50	Tr	1	2
282.4	304.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized sections of 1-2% pyrite, quartz clots and veins. Intermixed sections of increased biotite.	5	0	1	Tr
304.0	306.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy quartz spider veinlets.	30	0	1	Tr
306.7	312.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy quartz clots.	10	0	<1	<1
312.7	320.1	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy quartz clots.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
320.1	342.7	Altered Biotite Felsic Gneiss	Dark\Light Green	Fine-medium	Well Foliated	Patchy quartz clots. Pervasive chlorite alteration.	35	0	1	<1
342.7	353.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy coarse grained amphibole porphyroblasts, and bands of medium (2-4 mm) bands of biotite.	20	0	1	<1
353.5	359.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Patchy quartz pegmatite clots. Patchy chlorite alteration.	30	2	1	1
359.7	363.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy quartz clots.	15	0	1	Tr
363.7	367.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy quartz clots.	30	0	<1	Tr
367.9	371.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Patchy quartz clots.	5	0	<1	Tr
371.2	372.7	Altered Garnet Biotite Felsic Gneiss	Dark green, black and	Fine-medium	Well Foliated	Pervasive chlorite alteration.	35	2	1	<1
372.7	401.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Pervasive quartz spider veinlets.	15	0	<1	Tr
401.9	404.8	Diabase Dike	Black and white	Fine Grained	Massive					
404.8	422.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy quartz clots, and quartz spider veinlets.	5 to 10	<1	1	Tr
422.7	426.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized coarse grained blebs of pyrrhotite.	5	10	Tr	1
426.0	427.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Interlayer within footwall amphibolite.	5	0	Tr	Tr
427.0	443.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	427.3m - 20 cm semi-massive net-textured pyrrhotite vein.	5	10	Tr	1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 205	Total Depth (m) 443	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 21-Apr-12	Date Completed 25-Apr-12	Date Logged Apr 21-Apr25, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331056
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303771
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.0	Casing				Overburden				
9.0	32.3	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Weakly-moderately well foliated	Local variations in grain size grading from fine-medium units throughout over intervals of <2m, groundmass composition is consistent over varying grain size, quartz veins(<5cm) with <1-1% pyrite, 1-2% sericitic and potassic alteration	10 to 12	0	<1 to 1	Tr
32.3	38.7	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Weakly-moderately well foliated	Similar groundmass to overlying but weathered differently, core is moderately vuggy and core surface is rough, vugs have well developed euhedral pyrite within them, 1-2% potassic alteration	10 to 12	0	<1 to 1	0
38.7	54.3	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately well foliated	Rounded-subrounded plagioclase crystals in groundmass(5%), interval of amphibole gneiss(20cm) at 51.2m depth, more altered blocky in 42.8-45.0m interval, 2-3% sericitic and 1-2% potassic alteration	5 to 7	0	<1	Tr
54.3	55.8	Diorite	Grey and white	Fine-medium	Weakly Foliated	Pinkish tinge to groundmass(2-3% potassic alteration)	20 to 25	0	<1	0
55.8	62.6	Felsic Gneiss (S)	Light Grey	Fine-medium	Weakly-moderately	Similar to 38.7-54.3m interval with increased biotite	7 to 10	0	<1	Tr
62.6	65.8	UM/LAMP Dike	Grey	Fine-medium	Dike	Under/overlying sedimentary gneiss intervals within dike(<30cm)	0	0	Tr	0
65.8	73.4	Altered Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Weakly-moderately	Similar to 38.7-54.3m interval groundmass, alteration due to dike within 1-2m of upper/lower contact, 15-20% sericitic and potassic alteration	5 to 7	0	<1	Tr
73.4	87.6	Clotty Felsic gneiss Amphibolite	Grey and Green	Medium Grained	Moderately Well Foliated	UM/LAMP dike intermixing in upper 3m, trace sulphide mineralization, stringer veins with carbonnate replacement(1%), pinkish tinge to groundmass in areas(1-2% potassic alteration)	25 to 30	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
87.6	94.0	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately	Similar to 38.7-54.3m interval	7 to 10	0	<1	Tr
94.0	95.2	Diorite	Grey and white	Fine-medium	Weakly Foliated	Amphibole increases downhole	15 to 20	0	Tr	Tr
95.2	101.7	Felsic Gneiss (S)	Grey	Fine-coarse grained	Weakly-moderately	Similar to 38.7-54.3m, diorite intervals 40cm and 1m at 97.3m and 100m respectively similar to overlying	7 to 10	0	<1	Tr
101.7	104.6	Clotty Felsic gneiss Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Similar to overlying amphibolite mineralogically but finer grained, small sulphide clots(<0.5cm) in quartz veins, 1-2% chlorite alteration	15 to 20		Tr	Tr
104.6	167.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Moderately blocky and vuggy, amphibole clotting(<2cm) throughout, quartz veins(<10cm) with coarse biotite and clotty pyrite(<1%), pyrite more abundant in finer grained intervals and amphibole clots(1-2%), more granitic/amphibole interval at 126.5m depth.	7 to 10	0	<1 to 1	<1
167.5	176.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Intermixed with overlying sedimentary gneiss intervals(<1m), carbonate stringer veins (1%), 5-7% chlorite alteration	15 to 20	0	<1 to 1	0
176.6	188.9	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately	Bands and clots of felsic gneiss(5-10%) have pinkish tinge(2-3% potassic alteration), 1% carbonate stringer veins, local variations/folding in foliation	25 to 30	0	Tr	Tr
188.9	192.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayer with intervals of over/underlying clotty amphibolite(<50cm), 2-3% potassic alteration	7 to 10	0	0	0
192.4	194.8	Clotty Felsic gneiss Amphibolite	Dark Green	Medium-coarse	Moderately Well Foliated	Similar to 176.6-188.9m interval, grains slightly coarser. No visible sulphides	30 to 40	0	0	0
194.8	199.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Intermixing of amphibole gneiss, sedimentary gneiss and clotty amphibolite, sulphide mineralization occurs almost entirely in amphibole gneiss zones, UM/LAMP dike(25cm) at 195.0m	10 to 15	0	<1	Tr
199.6	205.1	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Intervals of amphibole felsic gneiss(<50cm) with sulphide mineralization similar to overlying, clotty amphibolite similar to 176.6-188.9m interval	25 to 30	0	Tr	Tr
205.1	209.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Amphibole mineralized throughout groundmass, 1-2% sericite alteration	7 to 10		Tr	Tr
209.3	216.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Local biotite banding(<1cm)	10 to 15	0	<1 to 1	<1
216.4	218.0	Clotty Felsic gneiss Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Similar to 176.6-188.9m compositionally but groundmass is finer grained	15 to 20	0	Tr	Tr
218.0	231.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Quartz veins(<10cm) with <1% clotty sulphides, local biotite banding(<1cm), 1-2% sericite alteration	10 to 15	0	<1 to 1	<1
231.7	235.4	Diorite	Grey and white	Fine-medium	Weakly Foliated	Pyrite abundance increases downhole as medium euhedral crystals	20 to 25	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
235.4	238.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 218.0-231.7m interval	7 to 10	0	<1 to 1	Tr
238.8	240.3	UM\LAMP Dike	Black and white	Fine-medium	Dike	Dike alters 0.6m above and below contacts.	7 to 10	0	Tr	Tr
240.3	245.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	1-2% sericitic alteration	10 to 15	0	<1 to 1	Tr
245.6	247.2	UM\LAMP Dike	Grey and white	Fine-medium	Dike	Alteration within 1m of upper and lower contact	7 to 10	0	Tr	0
247.2	256.0	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	Diorite intervals(<50cm), amphibole banding(<2cm), alteration by overlying dike and small dike intervals(15-40cm) in unit(15-20%), 2-3% sericitic alteration	10 to 15	0	<1 to 1	Tr
256.0	258.1	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Rich in sulphide mineralization, 2-3% chlorite alteration	3 to 5		2 to 3	2 to 3
258.1	261.4	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Amphibole banding(<1cm) increasing downhole and local biotite banding(<1cm) show increase in sulphide mineralization, 1-2% sericite alteration	7 to 10	0	1 to 2	<1 to 1
261.4	262.3	Clotty Felsic gneiss Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	1-2% carbonate stringer veinlets, trace sulphide mineralization,	25 to 30	0	Tr	Tr
262.3	267.1	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Similar to 258.1-261.3m interval, 3-5% sericitic alteration	10 to 15	0	<1 to 1	<1
267.1	268.7	UM\LAMP Dike	Black	Fine-medium	Dike	Alteration of under/overlying units by dike for 1m from contacts	7 to 10	0	Tr	0
268.7	270.3	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated		7 to 10	0	<1	Tr
270.3	271.8	Diorite	Grey and white	Fine-medium	Weakly Foliated	Similar to 231.7-235.4m interval	20 to 25	0	<1	Tr
271.8	272.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		7 to 10	0	1	Tr
272.7	285.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium grained	Moderately Well Foliated	Intermixing of sulphide rich amphibole gneiss and biotite rich amphibolite, similar to 256.0-258.1m and 261.4-262.3m respectively, sedimentary gneiss interlayer between 278.6-279.6m with <1% sulphide.	15 to 20	0	1 to 2	1 to 2
285.7	293.7	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Weakly-moderately well foliated	Biotite and amphibole increase downhole and groundmass becomes more intermixed and less foliated but sulphide mineralization is consistent, 1-2% potassic and sericite alteration mostly within 1m if upper and lower contacts	10 to 15	0	<1	Tr
293.7	298.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Pinkish tinge to groundmass(2-3% potassic alteration), carbonate stringer veins(1%), 3-5% chlorite alteration	5 to 10	0	<1	Tr
298.4	301.4	Diorite	Dark Grey	Fine-medium	Massive	Amphibole mineralized throughout groundmass, 2-3% potassic alteration	20 to 25	0	<1 to 1	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
301.4	311.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite bands(<1cm) with increased sulphide mineralization, sulphide clots(<1%) in quartz veins/fragments, sulphide content increases downhole	7 to 10	0	<1 to 1	<1
311.6	318.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Interlayers of overlying sedimentary gneiss(<50cm) becoming more abundant towards lower contact, pegmatite intervals(<40cm) with coarse biotite at the contacts, 2-3% chlorite alteration	5 to 7	0	2 to 3	2 to 3
318.2	328.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite bands(<1cm) and zones(<5cm) with increased sulphide mineralization, granitic pegmatite intermixing in first meter of unit	10 to 15	0	1	<1 to 1
328.5	330.5	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Intermixing with sedimentary gneiss towards lower contact, 1-2% chlorite alteration	7 to 10	0	1 to 2	1 to 2
330.5	339.1	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately well-well Foliated	Interlayered (<50cm) and intermixed with amphibole gneiss similar to overlying, amphibole gneiss interlayering decreases downhole, both rock types have strong sulphide presence(1-2%), coarse biotite mineralization at lower contact near pegmatite intrusion	7 to 10	0	<1 to 1	<1 to 1
339.1	343.1	Pegmatite	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Upper 1.5m unit is pegmatite intermixed with amphibole gneiss that is sulphide rich, bottom 2.5m is intermixed with sedimentary gneiss and sulphide mineralization is <1%, 2-3% sericitic alteration	7 to 10		1 to 2	1 to 2
343.1	346.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	3-5% sericitic alteration	3 to 5	0	<1	<1
346.1	349.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Intermixed with underlying sedimentary gneiss, sulphide content increases downhole, 1% carbonate stringer veins	10 to 15	0	<1 to 1	<1 to 1
349.4	354.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Pegmatite intervals(30-100cm) with trace sulphides and coarse biotite at contacts, local amphibole and biotite zones(<20cm) with increased sulphide mineralization, 2-3% sericitic alteration	15 to 20	0	1 to 2	<1 to 1
354.4	356.8	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Amphibole banding(<1cm) within 50cm of upper contact, local biotite banding with increased sulphide mineralization	30 to 40	0	<1 to 1	<1 to 1
356.8	357.7	Diorite	Grey	Fine-medium	Moderately well-well		20 to 25	0	<1	Tr
357.7	360.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Amphibole mineralization in upper 20cm with increased pyrite mineralization, pegmatite interval(<1m) with increased biotite and sulphides at contact, 2-3% sericitic alteration	15 to 20	0	<1	<1 to 1
360.5	369.0	Felsic Gneiss (G)	Grey and white	Medium-coarse	Weakly-moderately	Intermixed with pegmatite, 3-5% muscovite, 3-5% sericitic alteration	3 to 5	0	<1 to 1	<1 to 1
369.0	373.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with granitic gneiss similar to overlying, local biotite zones in sedimentary gneiss(<1cm) with increased sulphides, 2-3% sericitic alteration	15 to 20	0	<1 to 1	<1 to 1
373.4	375.7	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Biotite content decreases downhole but sulphide content remains consistent, sericitic alteration between 374.4-365.0m where original groundmass is not discernable	60	5 to 7	<1	<1 to 1
375.7	379.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 369.0-373.4m interval	15 to 20	0	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
379.1	385.1	Diorite	Grey and white	Fine-medium	Moderately Well Foliated	Potassic altered in upper 3m, sedimentary gneiss interval between 380.0-380.7m with 1-2% sulphides	20 to 25	0	<1	Tr
385.1	390.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<5cm) with garnet and increased sulphide mineralization, amphibole banding(<2cm) with 2% sulphides	20 to 25	<1 to 1	1 to 2	1 to 2
390.9	406.9	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Amphibole content increases and sulphides decrease downhole, barren quartz veins(30cm), 2-3% sericitic alteration	10 to 15	0	<1	Tr
406.9	418.6	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium grained	Moderately Well Foliated	Sedimentary gneiss interlayer(1m) at 408.5m similar to overlying, barren pink/white pegmatite(1.5m) at lower contact, carbonate replacement in stringer veins(1-2%), 2-3% chlorite alteration	25 to 30	0	Tr	<1
418.6	432.9	Amphibolite	Dark Green	Fine-coarse grained	Moderately Well Foliated	Footwall amphibolite, no visible sulphides, mostly fine grained groundmass with fine-coarse garnet crystals, local zones of very fine grained biotite mineralization(<10cm), 5-7% chlorite alteration	5 to 7	7 to 10	0	0
432.9	434.7	UM\LAMP Dike	Black and white	Fine-medium	Dike	Alteration by dike within 20cm of contacts	2 to 3	0	0	0
434.7	436.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Very fine-fine grained interlayer rich in biotite with amphibolite interbanding(<5cm), no visible sulphides	15 to 20	1 to 2	0	0
436.3	443.0	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Similar as 418.6-432.9m interval. End of hole	3 to 5	7 to 10	0	0

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 192	Total Depth (m) 524	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 23-Apr-12	Date Completed 30-Apr-12	Date Logged Apr24-May1, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 330219
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304222
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	5.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite. Unit is weakly to moderately fractured, lower contact is broken. Trace to minor fine grained disseminated sulphides, predominantly pyrite.	15	0	<<< 1	Tr
5.7	6.5	Diabase Dike	Black	Fine Grained	Dike					
6.5	28.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite, intermixed with zones (2-3%) of coarser plagioclase grains. Quartz-carbonate fragments (4-5%). Minor sericitic alteration (1-2%). 6.9-7.4m: dark grey and dark green sedimentary felsic gne	15	0	<1	Tr
28.2	29.0	UM/LAMP Dike	Dark Grey	Medium Grained	Dike					
29.0	60.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15-20% biotite. Quartz fragments and veinlets (1-2%). Presence of chloritic alteration (5%). Potassic alteration and spider veinlets with potassic alteration haloes (1-2%). 47.7-48.1m: UM/LAMP Dike,	15 to 20	0	1	
60.6	65.3	Amphibole Felsic Gneiss	Grey and dark green	Medium Grained	Moderately Well Foliated	Grey and dark green medium grained amphibole felsic gneiss with 5% biotite and 40-45% amphibole. Interlayered with a medium grained sedimentary felsic gneiss with 5-10% biotite and 2-3% chloritic alteration. Minor disseminated pyrite strongly associated	5	0	<1	Tr
65.3	88.5	Amphibolite	Dark Green	Fine Grained	Weakly-moderately well foliated	Dark green, fine grained amphibolite with 3-5% biotite and 70% amphibole. Quartz and quartz-carbonate veinlets (2%). Interlayered with a grey, medium grained sedimentary felsic gneiss with 10% biotite.	3 to 5	0	<1	<<1
88.5	107.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous. Trace to minor disseminated sulphides, predominantly pyrite.	20 to 25	0	<<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
107.9	132.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a granitic felsic gneiss. Coarse grained muscovite grains throughout unit (15%). Minor sericitic and potassic alteration haloes (2-3%). 130.1-130.4m: Diabase dike. Trace to minor sulphides, dominantly pyrite.	15	0	<1	Tr
132.1	134.1	Diabase Dike	Dark Grey	Fine Grained	Dike					
134.1	151.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Weakly Foliated	Grey, white and pink medium to coarse grained granitic felsic gneiss with 5-10% biotite and 15% muscovite. Unit is potassically altered (20-25%). Quartz veinlets and fragments. Minor disseminated sulphides, dominantly fine grained disseminated pyrite.	5 to 10		<1	Tr
151.2	154.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite and 30% sub-rounded plagioclase grains (variable grain size). Trace sulphides.	15	0	Tr to	Tr
154.5	168.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a grey, white, pink medium to coarse grained granitic felsic gneiss. Spider veinlets with potassic alteration haloes throughout (4-5%). Minor medium grained disseminated sulphides.	15	0	1	Tr
168.0	171.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Moderate sericitic (5%) alteration. Quartz veinlets and fragments (5%).	15	0	1	Tr
171.8	175.9	Quartz Vein		Coarse Grained	Massive	Intermixed with sedimentary felsic gneiss. Intervals of grey medium grained sedimentary felsic gneiss (172.4-173.5m, with 20% biotite). Clotty pyrite associated with intermixed felsic gneiss.			<<1	Tr
175.9	182.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local amphibole felsic gneiss zones (5%).	10 to 15		1	Tr
182.1	183.0	UMLAMP Dike	Grey	Medium Grained	Dike					
183.0	189.6	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Intermixed with a fine to medium grained sedimentary felsic gneiss. Quartz fragments (5%). Minor disseminated and clotty sulphides associated with quartz and chlorite.	20	0	1	<1
189.6	198.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local chlorite rich zone at 195m	10 to 15	0	1	Tr
198.7	199.6	UMLAMP Dike	Dark Grey	Medium Grained	Dike					
199.6	204.6	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Dark grey, medium grained sedimentary felsic gneiss with 20-25% biotite and moderate chloritic (15%) alteration. Local biotite rich zones. Minor sulphide mineralization, fine to medium grained pyrite.	20 to 25	0	1	Tr to <<1
204.6	224.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 6-8% chloritic alteration, 20% biotite. Quartz fragments and veinlets (5%). Local biotite rich zones (2-3%). Spider veinlets with potassic alteration haloes (2-3%). Minor disseminated and streaky sul	20	0	1	<1
224.1	227.3	Diorite	Grey	Medium-coarse	Moderately Well Foliated	Grey, medium to coarse grained diorite with 10% biotite and 2-3% potassic alteration. Quartz-carbonate fragments (3-5%). Minor disseminated pyrite.	10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
227.3	229.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite. Local biotite rich zones (1-2%). Presence of chloritic alteration (2%). Minor fine to medium grained disseminated sulphides, dominantly pyrite.	15	0	1	Tr
229.3	231.7	Amphibole Felsic Gneiss	Dark Green and Grey	Medium Grained	Moderately Well Foliated	Dark green and dark grey, medium grained amphibole felsic gneiss with 25-30% biotite and 35-40% amphibole. Higher percentage of felsic groundmass. Minor disseminated sulphides.	25 to 30	0	1	Tr
231.7	238.9	Amphibole Felsic Gneiss	Dark Green	Fine-medium grained	Weakly-moderately well foliated	Dark green, fine to medium grained amphibole felsic gneiss with 25-30% biotite and 1-2% chlorite. 235.4-236m: medium grained, sedimentary felsic gneiss with 10-15% biotite. Minor fine grained, disseminated sulphides.	25 to 30	0	1	
238.9	267.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite. Minor presence of chloritic and sericitic alteration (2%). Quartz fragments (2-3%) with potassic alteration; quartz vein and fragments (245-245.6m). 255.9-256.6m: dark green, fine to m	10 to 15	0	1	Tr
267.9	272.6	Altered Biotite Felsic Gneiss	Dark Grey and dark green	Medium Grained	Moderately Well Foliated	Dark grey and dark green medium grained biotite felsic gneiss with 20% amphibole and 35-40% biotite. Presence of chloritic (10%) alteration. Intermixed with a grey, medium grained sedimentary felsic gneiss with 5-10% biotite. Minor disseminated and clot	35 to 40	0	1	<1
272.6	285.1	Felsic Gneiss (G)	Grey	Medium-coarse grained	Moderately Well Foliated	Grey, medium to coarse grained granitic felsic gneiss with 5-10% biotite and 3-4% sericitic alteration. Intermixed with a grey, fine to medium grained sedimentary felsic gneiss. Minor fine grained clotty pyrite.	5 to 10	0	<<1	Tr
285.1	295.5	Altered Biotite Felsic Gneiss	Dark Grey and Dark Green	Medium Grained	Moderately Well Foliated	Dark grey and dark green, medium grained biotite felsic gneiss with 30-35% biotite and 10-15% chlorite. Intermixed with a sedimentary felsic gneiss (35%), and local garnet biotite felsic gneiss. Quartz veins and fragment (5%). Minor fine grained clotty	30 to 35	1 to 2	1	1 to 2
295.5	299.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10% biotite. Quartz fragments/clasts (1%). Minor spider carbonate veinlets with sericitic alteration haloes. Minor fine grained pyrite.	10	0	<1	Tr
299.9	303.0	Altered Biotite Felsic Gneiss	Dark Grey and Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with a grey fine grained sedimentary felsic gneiss. Quartz carbonate local zones. Biotite content and chloritic alteration decreases downhole. Broken/fractured section (301.3-302m).	35	0	1	<1
303.0	307.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	Tr	Tr
307.2	308.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Grey, black and pink medium grained garnet biotite felsic gneiss with 60-65% biotite and 5-7% garnet. Minor fine grained disseminated and streaky pyrite. No visible pyrrhotite.	60 to 65	5 to 7	1	Tr
308.8	311.1	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Grey, medium grained sedimentary felsic gneiss with 20-25% biotite and 2-5% potassic alteration. Local biotite rich zones (5-8%). Quartz fragments with sericitic and potassic alteration. Minor, very fine to fine grained disseminated pyrite. No visible	20 to 25	0	<1	Tr
311.1	316.9	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated	Grey and pink potassically altered sedimentary felsic gneiss with 10% biotite. Quartz (+potassic alteration) fragments (2-4%). 313.1-313.8m: dark green sericitic altered sedimentary felsic gneiss with 5% epidote and minor presence of vugs (2-3%) - no v	10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
316.9	328.6	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Grey, white and pink medium grained granitic felsic gneiss with 10-15% biotite and 5-10% coarse grained muscovite. Minor fine grained disseminated pyrite.	10 to 15	0	<1	Tr
328.6	333.0	Felsic Gneiss (S)	Grey	Fine Grained	Weakly Foliated	Interlayered with a dark grey and dark green fine to medium grained amphibole felsic gneiss (15%), amphibole gneiss contains minor fine grained disseminated pyrite.	5	0	<1	Tr
333.0	339.8	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss. Quartz veins and fragments (5%). Minor fine to medium grained, clots and disseminated pyrite.	10 to 15		1	Tr
339.8	349.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 15% biotite and local zones of chlorite alteration (5-10%). Intermixed with a grey, fine to medium grained conglomerate felsic gneiss (5%). Minor fine to medium grained disseminated pyrite. No	15	0	1	Tr
349.0	350.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite and coarse grained plagioclase feldspar (10%). Minor fine grained disseminated pyrite.	10 to 15	0	<1	Tr
350.8	388.6	Diabase Dike	Black	Fine Grained	Dike					
388.6	396.2	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Grey, white and pink medium grained sedimentary felsic gneiss with 10-15% biotite and groundmass with coarse plagioclase and quartz. Presence of potassic (15%) alteration (as potassic alteration haloes and within groundmass). Minor fine to medium grain	10 to 15	0	1	Tr
396.2	397.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained sedimentary felsic gneiss with 10% biotite and 5-8% coarse plagioclase grains. Quartz fragments and veinlets (2-4%). Trace to minor fine grained disseminated pyrite.	10	0	<1	Tr
397.7	400.3	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as unit 388.6-396.2m: decreased potassic alteration.	10 to 15		<1	Tr
400.3	401.4	Quartz Vein	White	Coarse Grained	Massive-weakly	Intermixed with a fine to medium grained sedimentary felsic gneiss (15-20%). Trace fine grained disseminated pyrite.	5		<<1	Tr
401.4	403.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Local UM/LAMP dike (5cm). Quartz carbonate spider veinlets.	5	0	<1	Tr
403.0	440.9	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Grey, white and pink medium grained sedimentary felsic gneiss with 10-15% biotite and 35-40% medium to coarse plagioclase grains. Quartz fragments and veins (<10cm), with fine grained disseminated pyrite at margins. Spider veinlets with sericitic (15-20	10 to 15	0	<1	Tr
440.9	444.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 15% biotite and 2-4% chloritic alteration. Intermixed with a section (0.3m)of dark grey, medium grained, biotite felsic gneiss with >35% biotite and <1% garnet porphyroblasts. Minor fine graine	15	<1	1	<<1
444.6	445.4	Diabase Dike	Dark Grey	Fine Grained	Dike	Broken upper contact.				
445.4	448.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Grey, medium grained sedimentary felsic gneiss with 15-20% biotite and 2% potassium feldspar alteration haloes. Quartz veinlets and fragments (3-5%). Local biotite rich zones (2-3%). Grain size decreases downhole. Minor fine to medium grained dissemina	15 to 20	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
448.2	449.4	UM\LAMP Dike	Grey	Fine to medium	Dike					
449.4	451.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained, sedimentary felsic gneiss with 10-15% biotite and 10% potassium feldspar. White sub-rounded carbonate (2-3%) grains.	10 to 15	0	<1	Tr
451.8	452.7	UM\LAMP Dike	Dark Grey	Fine-medium	Dike					
452.7	454.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 15-20% biotite. Intermixed with local biotite felsic gneiss zones (4-5%). Fine grained disseminated pyrite strongly associated with local biotite rich zones.	15 to 20	0	<1	Tr
454.7	464.1	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained granitic felsic gneiss with 5-10% biotite. Local zones of biotite felsic gneiss (2%). Spider veinlets with sericitic (5%) and potassic (2-3%) alteration haloes. Trace to minor sulphides.	5 to 10	0	<1	Tr
464.1	468.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15-20% biotite and <1% garnet porphyroblasts. Local biotite rich zones (2-3%). Chloritic (2%) and epidote (1%) alteration, associated with biotite. Quartz vein and fragments (2-4%). Minor disseminated	15 to 20	<1	<1	Tr
468.0	469.5	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Dark grey, medium grained biotite felsic gneiss with 30-35% medium grained biotite. No visible garnet. Chloritic (15%) alteration. Minor fine grained streaky and disseminated pyrite.	30 to 35	0	1	Tr
469.5	473.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite and localized biotite rich zones (3-4%). Chloritic (3%) alteration associated with biotite. Minor fine grained disseminated and streaky, streaky pyrite associated with local biotite zones.	15	0	1	Tr
473.8	477.3	Amphibolite	Dark Green	Fine-medium grained	Moderately Well Foliated	Dark green, fine to medium grained amphibolite with 5-10% biotite blebs and 75-80% amphibole (groundmass). Interlayered a quartz feldspar porphyry (474.5-474.8m). Trace to minor fine grained schlieren pyrite.	5 to 10	0	<1	
477.3	500.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10-15% biotite. Interlayered with a medium grained quartz feldspar porphyry (15%). Chloritic (3-4%) alteration. Moderately fractured zones (20%). Trace to minor disseminated pyrite.	10 to 15	0	<<1	Tr
500.8	505.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 15% biotite and 4-5% chloritic alteration. Local quartz vein, with chloritic alteration at margins. Clotty pyrrhotite found at quartz vein margin.	15	0	<1	<1
505.6	507.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Barren white quartz fragments with sericitic alteration haloes (1%). Minor fine grained, disseminated and clotty pyrite.	10	0	<1	Tr
507.6	510.9	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Grey, medium to coarse grained sedimentary felsic gneiss with 10% biotite and coarse plagioclase (55%) and quartz (35%) grains. Trace to minor sulphides, dominantly fine grained disseminated pyrite.	10	0	<<1	Tr
510.9	512.0	Diabase Dike	Black	Fine Grained	Dike					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
512.0	519.8	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Dark to light green and pink fine grained amphibolite with 2-5% biotite and 15-20% garnet porphyroblasts. Minor blebby pyrrhotite within upper section of unit, presence decreases downhole.	2 to 5	20 to 25	Tr to <<1	<1
519.8	521.5	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Grey, medium to coarse grained sedimentary felsic gneiss with 5-10% biotite and intermixed with a medium grained quartz feldspar porphyry (5%). Sericitic (5%) alteration haloes . Quartz veinlets (approx. 5cm and 2-4%). Minor fine grained clotty sulphid	5 to 10	0	<<1	<<1
521.5	524.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Same as previous. EOH.	2 to 5	15 to 20	Tr	<<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 506	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 24-Apr-12	Date Completed 30-Apr-12	Date Logged Apr.25-May.1 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 329649
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304141
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	17.7	Casing								
17.7	21.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Sections of 1-2% blebby sulfides associated with biotite rich sections. Abundant quartz spider veinlets.	5	0	<1 to 1	<1 to 1
21.8	36.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized granitic pegmatite clots.	5	0	1	Tr
36.1	38.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized chlorite altered and vuggy biotite rich sections with coarse grained blebby pyrite.	5	0	<1	Tr
38.8	40.7	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Weakly-moderately	Patchy muscovite crystals.	5	0	<1	Tr
40.7	76.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Variable biotite content, with biotite rich sections associated with increased sulfides. Patchy quartz spider veinlets, and potassic alteration.	15 to 20	0	1 to 2	Tr
76.1	87.4	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Patchy pyrite associated with bands of biotite.	20	0	1	Tr
87.4	92.2	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy vuggy sections.	30	0	<1	Tr
92.2	113.5	Altered Garnet Biotite Felsic Gneiss	Dark green, black and	Fine Grained	Moderately Well Foliated	Pervasively chlorite altered unit.	45	10	1	1
113.5	117.8	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly-moderately	Patchy quartz spider veinlets	5	0	<1	Tr
117.8	119.7	Amphibolite	Green	Fine Grained	Moderately Well Foliated		5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
119.7	133.1	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy quartz spider veinlets with intense potassic alteration haloes.	5	0	1	Tr
133.1	135.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
135.3	141.4	Biotite Felsic Gneiss	Black	Medium Grained	Moderately Well Foliated	Patchy quartz spider veinlets.	35	0	1 to 2	Tr
141.4	174.1	Amphibolite	Black and green	Medium Grained	Moderately Well Foliated	Localized medium grained blebs of pyrite. Patchy vuggy sections and quartz spider veinlets.	20	0	1	Tr
174.1	177.6	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Pervasive potassic alteration.	5	0	Tr	Tr
177.6	189.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy quartz spider veinlets with potassic alteration.	25	0	<1	Tr
189.3	194.4	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Patchy vuggy sections with epidote.	10	0	<1	Tr
194.4	206.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy quartz spider veinlets. Localized quartz veins, with coarse blebby pyrite. Patchy potassic alteration.	10	0	<1	<1
206.0	208.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
208.5	233.4	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Patchy quartz spider veinlets.	10	0	<1	<1
233.4	235.1	Diabase Dike	Black and white	Fine Grained	Massive					
235.1	245.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	10 to 15	0	1	Tr
245.8	248.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Patchy quartz clots.	15	0	Tr	Tr
248.7	280.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy quartz clots. Patchy coarse grained blebby sulfides and chlorite alteration.	10	0	1	<1
280.3	286.4	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Patchy chlorite alteration sections.	15	0	1 to 2	Tr
286.4	299.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy chlorite alteration. Pyrite is associated with crystals of biotite.	15	0	1	Tr
299.5	353.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy quartz spider veinlets.	5	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
353.8	361.8	Felsic Gneiss (C)	Dark\Light green and	Coarse Grained	Moderately Well Foliated	Coarse felsic clasts stretched in the S1 foliation direction. Patchy chlorite alteration. Pyrite is associated with bands of biotite.	25	<1	1 to 2	Tr
361.8	374.3	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Patchy blebby and disseminated pyrrhotite and pyrite. Patchy chlorite alteration.	15	0	1	1
374.3	420.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Patchy quartz clots. 407m - Section of increased biotite content (20%) with increased pyrite. Medium grained pyrite is associated with bands of biotite and quartz clots. Patchy chlorite alteration.	10 to 15	1	1 to 2	1
420.0	423.5	Diorite	Grey and white	Medium Grained	Moderately Well Foliated	Patchy quartz spider veinlets with pervasive sericitic and potassic alteration haloes. Pyrite is associated with crystals of biotite.	20	0	<1 to 1	Tr
423.5	467.8	Felsic Gneiss (S)	Dark Grey	Very Fine-fine grained	Moderately Well Foliated	Patchy quartz spider veinlets with pervasive sericitic and potassic alteration haloes. Pyrite is associated with crystals of biotite.	15	0	<1 to 1	Tr
467.8	469.1	Altered Biotite Felsic Gneiss	Black and green	Medium-coarse	Well Foliated	Patchy quartz-carbonate spider veinlets.	40	0	1	<1
469.1	494.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayers of footwall amphibolite at 479.2-479.5, 482.4-483m.	15	0	<1	<1
494.1	506.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized pyrrhotite blebs.	5 to 10	10	Tr	1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 365	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 25-Apr-12	Date Completed 01-May-12	Date Logged Apr25-May 1, 2012	Logged By Daniela Marcoux; Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 330945 Northing 5303632 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing				Overburden				
4.0	25.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Moderately blocky and vuggy, clotty amphibolite from 5.0-5.8m and 20.0-20.4m with trace sulphides, 1-2% potassic alteration	5 to 7		<1	0
25.5	29.6	Diorite	Grey	Fine-medium	Weakly-moderately	Moderately blocky and vuggy, pyrite mostly concentrated within 50cm of upper/lower contacts, quartz vein(10cm) at contact with <1% clotty sulphides	7 to 10	0	<1	0
29.6	37.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar to 4.0-25.5m interval, pyrite increases and coarsens downhole, 3-5% potassic alteration	5 to 7	0	1	0
37.9	43.5	Diorite	Grey	Fine-medium	Weakly-moderately	Similar to 25.5-29.6m interval, 1-2% potassic alteration	7 to 10		<1	0
43.5	51.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pyrite decreases and becomes finer downhole, 5-7% potassic alteration	7 to 10	0	1	0
51.9	61.6	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately	<1% clotty chalcopyrite, alteration by underlying dike in bottom 2m of unit, pinkish tinge to groundmass(3-5%) potassic alteration, 1-2% carbonate stringer veins	15 to 20	0	Tr	0
61.6	128.7	Diabase Dike	Black	Fine-medium	Dike	Carbonate replacement in quartz veins	0		0	0
128.7	138.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Amphibole felsic gneiss interval(30cm) at 138.2m with trace sulphides, 2-3% sericite alteration	5 to 7	0	<1	
138.9	140.1	Diorite	Black and white	Fine-coarse grained	Weakly Foliated		7 to 10		<1	Tr
140.1	141.3	Diorite	Grey and white	Fine-medium	Weakly Foliated	2-3% sericitic alteration	15 to 20	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
141.3	143.9	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Amphibole interbanding(<1cm) and interlayering(<10cm) with increased pyrite mineralization in those zones, 2-3% chlorite alteration	10 to 15	0	1	Tr
143.9	145.7	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayer(40cm) similar to underlying at 144.5m, 2-3% chlorite alteration	20 to 25	0	<1	<1
145.7	154.1	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Local biotite banding(<1cm) with increased sulphide mineralization, 1-2% sericitic alteration	7 to 10	0	<1 to 1	<1 to 1
154.1	155.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	2-3% chlorite alteration	10 to 15	0	<1	<1
155.2	161.8	Felsic Gneiss (G)	Grey	Fine-medium	Moderately Well Foliated	Trace chalcopyrite, local biotite bands(<1cm) and zones(<20cm) with increased sulphide mineralization	15 to 20	0	<1 to 1	<1 to 1
161.8	164.0	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixing of sedimentary and amphibole gneiss with increased sulphides in biotite bands(<1cm) and amohibole zones(<10cm), 1-2% chlorite alteration	10 to 15	0	1 to 2	1 to 2
164.0	165.6	Diorite	Black and white	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayer(20cm) at 164.7m with <1% sulphides	15 to 20	0	Tr	0
165.6	169.1	Felsic Gneiss (S)	Dark Grey	Fine Grained	Banded	Local biotite bands(<1cm) with increased sulphides	20 to 25		<1 to 1	<1 to 1
169.1	172.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Sulphides and amphibole increase downhole, 1-2% sericitic alteration	10 to 15	0	<1	Tr
172.9	176.9	Diorite	Grey and white	Fine-medium	Weakly-moderately	Barren quartz vein(30cm) at 175m, 1-2% sericitic and potassic alteration	10 to 15	0	<1 to 1	0
176.9	180.2	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	3-5% potassic alteration	15 to 20	0	<1	0
180.2	186.2	Diorite	Dark Grey	Fine-medium	Weakly-moderately	Similar to 172.9-176.9m interval	10 to 15	0	<1	0
186.2	188.9	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Similar to 176.9-180.2m interval	15 to 20	0	<1	0
188.9	192.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite bands(<1cm) with increased sulphides, 1-2% potassic alteration	10 to 15		<1	Tr
192.2	195.4	Altered Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Moderately blocky and vuggy, 10-15% potassic and 7-10% sericitic alteration	7 to 10		Tr	Tr
195.4	200.4	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	3-5% potassic and sericitic alteration	7 to 10		<1	<1
200.4	204.3	Felsic Gneiss (G)	Light Grey	Fine-medium	Weakly-moderately	1-2% muscovite, 3-5% sericitic alteration	5 to 7	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
204.3	212.5	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Weakly-moderately well foliated	quartz pegmatites at 207.4, 208.3-208.4, 209.5-210.1, 211.8-211.9, and 212.3-212.4. 1% coarse blebby sulphides at pegmatite margins. Local increases of biotite and sulphides. Pervasive spider veinlets with sericitic alteration.	5	0	<1	tr to <1
212.5	214.6	Felsic Gneiss (S)	Dark Grey	Fine-medium	Well Foliated	Local patches of coarse chlorite. Coarse sulphides concentrated with chlorite.	20	tr	<1 to 1	1
214.6	215.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Quartz feldspar pegmatite at 215.3-215.6m. No visible sulphides in pegmatite. Pervasive spider veinlets with sericitic alteration haloes.	10	0	<1	tr
215.9	218.2	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Weakly Foliated	Local streaks of sulphides. Slightly more pyrite in sections. Local pegmatite at 216.1-216.2 and 217.7. Pervasive spider veinlets with sericitic alteration.	30	1 to 2	1	1
218.2	219.3	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Pegmatite at 218.3-218.6m.	5 to 10	0	tr to <1	tr
219.3	225.2	Altered Biotite Felsic Gneiss	Variable Grey	Fine-medium	Moderately Well Foliated	Local coarse grained chlorite patches. Coarse sulphides concentrated with chlorite (2-3%).	30	0	1	1 to 2
225.2	229.7	Altered Garnet Biotite Felsic Gneiss	Dark Green	Medium-coarse	Moderately Well Foliated	Coarse grained sulphides concentrated with coarse chlorite.	20	5	1 to 2	1
229.7	232.7	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Local concentrations of sulphides (2-3%).	30	0	1	1
232.7	236.9	Amphibolite	Dark Grey	Medium-coarse	Weakly Foliated	Local coarse grained chlorite at 233.0-233.3m. 2-3% coarse sulphides with chlorite.	5	0	<1	<1 to 1
236.9	237.5	Amphibole Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Pegmatite at 240.0-240.1m. Biotite concentrated around pegmatite.	5	0	<1	<1
237.5	241.7	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Local pegmatite at 238.9m. Fiberous white amphibole throughout unit.	30	0	1	1 to 2
241.7	246.9	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Garnet biotite felsic gneiss at 243.2-243.4m. Pegmatite at 244.1, 244.3, 244.8-244.9, 245.1-245.2, 245.8-246.0, 246.1-246.2, 246.3-246.4, 246.6-246.7m.	10	1	<1 to 1	<1 to 1
246.9	249.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Garnet biotite felsic gneiss at 246.9-247.8 and 248.8-249.0m. 1-2% sulphides in garnet biotite felsic gneiss. Granitic felsic gneiss at 247.9-248.0 and 248.5-248.6m.	20	2	<1	<1
249.8	252.2	Felsic Gneiss (C)	Grey	Fine-medium	Well Foliated	Sulphides foliated with biotite. Coarse streaky pyrite at 252.2m.	15	1	1	tr
252.2	254.2	Quartz Feldspar Porphyry (QFP)	Grey	Medium-coarse	Porphyritic	2% pyrite concentrated with chlorite at 252.3 and 252.6-252.8m. Minor potassic alteration.	15	0	1	tr
254.2	258.5	Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Pervasive pegmatite throughout unit.	30	0	1	tr
258.5	259.8	Amphibole Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Coarse blebby sulphides at 259.1m with small pegmatite.	5	1	<1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
259.8	270.2	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Increased biotite and sulphides (1-2%) at 266.0-266.6m with minor chlorite and sericite. Coarse blebby sulphides with pegmatite at 269.9-270.1m.	5	0	1	tr to <1
270.2	273.2	Garnet Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Streaky sulphides. Minor chlorite alteration at 271.2-271.3m.	35 to 40	1 to 2	1 to 2	1
273.2	276.1	Diorite	Dark Grey	Fine-medium	Moderately Well Foliated	Coarse streaky pyrite at 275.6m. Biotite felsic gneiss at 273.7-273.9m and 276.0-276.1m. Potassic alteration at 274.1m.	20	0	tr to <1	tr
276.1	277.2	Pegmatite	Pink	Very Coarse Grained	Massive	Minor potassic alteration halos around veinlets.	3 to 5	0	tr	tr
277.2	285.0	Garnet Biotite Felsic Gneiss	Variable Grey	Fine-medium grained	Moderately well-well Foliated	Pyrite concentrated along foliation with biotite. Garnets clustered in 1-5 cm zones parallel to foliation. Pegmatite at 281.0-281.2m, 281.7m, 283.1m, 284.0-284.1m, and 284.4-285.0m. Felsic gneiss (s) at 279.9-280.3m, 280.8-280.9m, and interbedded from 281	30	5	1	<1
285.0	290.4	Garnet Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Moderately Well Foliated	Pyrite veinlet at 285.3m. Coarse sulphides with pegmatites at 285.4m, 286.4-286.5m, 287.0-287.2m, 287.8m, 288.2m, 288.6-288.7m, and 289.2-289.4m. Local zones with 40-50% garnet. Potassic alteration at 288.6m.	50	10	1	2
290.4	293.3	Biotite Felsic Gneiss	Variable Grey	Medium-coarse	Moderately Well Foliated	Coarse blebby sulphide vein at 292.3m. Felsic gneiss (s) at 290.4-291.7m. Coarser grained biotite at 292.2-292.7m.	30	0	<1 to 1	<1
293.3	299.7	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Medium grained blebby sulphides at 295.9-296.0m (2%). Pegmatite at 293.5-293.6m, 294.1m, and 295.7m. Coarse blebby sulphides at pegmatites. Minor chloritic alteration.	30	0	<1	<1
299.7	306.7	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Sulphides concentrated along foliation with biotite. Pervasive spider veinlets with sericitic alteration halos. Veinlets with potassic alteration halos at 303.5m.	5 to 10	0	<1 to 1	<1
306.7	329.1	Felsic Gneiss (S)	Light Grey	Medium-coarse grained	Moderately Well Foliated	Pegmatite at 321.8-322.4m, 324.2-324.5m, 325.0m, 326.0-326.3m, and 327.9-328.1m. Quartz vein at 317.7-317.8m, 318.6-318.7m. Finer grained section at 315.4-316.1m. Pervasive spider veinlets with sericitic and/or potassic alteration.	5	0	tr to <1	tr
329.1	332.2	Amphibole Felsic Gneiss	Black and grey	Medium-coarse	Moderately Well Foliated	Patchy coarse grained chlorite with medium grained blebby pyrrhotite. Felsic gneiss (s) at 329.9-330.3m.	5	0	tr to <1	<1
332.2	337.7	UMLAMP Dike	Black	Fine-medium	Weakly Foliated	Amphibole felsic gneiss at 335.6-335.7m and 336.3-336.7m. Very coarse rounded clasts within dike.	5	0	tr	tr
337.7	349.3	Amphibole Felsic Gneiss	Black and grey	Medium-coarse	Moderately Well Foliated	Intermittent patches of coarse grained chlorite. Pervasive quartz-carbonate veinlets.	0 to 5	0	tr	tr
349.3	365.0	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Pyrrhotite blebs located in lighter amphibole bands. Amphibole felsic gneiss at 349.8-349.9m. Local garnet concentrations up to 50%. EOH	5	10	tr	<1

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	447	205	393	Collar 70	Chapleau Ont	Cochrane Township
Date Hole Started	Date Completed	Date Logged	Logged By	(m) degrees	(m) degrees	Property Name	Easting 330945
28-Apr-12	16-May-12	Apr.29-May 17, 201	Daniela Marcoux; Gordon McFadden	(m) degrees	(m) degrees		Northing 5303632
Exploration Co., Owner or Optionee				(m) degrees	(m) degrees		Datum NAD 83
Probe Mines Limited						Borden	Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.8	Casing								
6.8	7.6	Diorite	Grey, white, and pink	Fine-medium	Massive-weakly	Potassic alteration of 1-2% of unit.	10	0	1	Tr
7.6	9.6	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Weakly-moderately	Coarse grained amphibole with chloritic alteration. 1-2% potassic alteration.	30	0	Tr	Tr
9.6	53.3	Diorite	Grey, white, and pink	Fine-medium grained	Massive-weakly foliated	Potassic alteration of feldspars and potassic alteration halos around quartz-carbonate spider veinlets. Sericitic alteration halos around quartz-carbonate spider veinlets. Potassic alteration 2-3% of the rock, sericitic <1-1% of the rock. Localized vuggy sections with 2% fine-medium grained pyrite. Local zone with 30% biotite and 3% medium-coarse blebby pyrite at 42.9-43.0m. Amphibole felsic gneiss (same as above unit) at 11.6-12.3m.	20	0	2	Tr
53.3	55.2	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Weakly Foliated	Medium grained amphibole porphyroblasts. Local vuggy sections. <1-1% potassic alteration. Potassic alteration halos around quartz-carbonate spider veinlets.	25	0	1	Tr
55.2	64.5	Diorite	Grey, white, and pink	Fine-medium grained	Massive-weakly foliated	Localized zones with coarse disseminated-blebby pyrite (3%). Local vuggy sections with coarse blebby pyrite (3%). Pervasive quartz-carbonate spider veinlets with potassic alteration halos. Potassic alteration of 2-3% of rock. UMLamp dike at 64.2-64.5m.	20	0	2 to 3	Tr
64.5	80.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Local coarse disseminated-blebby pyrite. Coarse blebby pyrite (3-4) at 67.4-67.5m. Pervasive quartz-carbonate spider veinlets with potassic alteration halos. Local vuggy sections with 3% pyrite. UMLamp dike at 72.1m and 73.0-73.2m.	15	0	3	Tr
80.5	104.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Pervasive quartz-carbonate spider veinlets with potassic and/or sericitic alteration halos. Localized vuggy sections. Local chlorite patches with coarse blebby pyrite at 89.9m, 91.5m, and 101.5-101.8m. Coarse quartz porphyroblasts. Quartz vein at 87.2-87.3m.	0 to 15	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
104.0	108.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse pyrite. Local patchy chlorite. Pervasive quartz spider veinlets with sericitic alteration halos. Localized coarse grained quartz-carbonate patches at 104.2m, 104.3m, 105.3-105.4m, and 107.7m.	20	0	1	Tr
108.0	110.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Epidote in a vuggy section at 110.0-110.6m.	10	0	<1 to 1	Tr
110.6	113.0	Diorite	Grey and white	Fine-medium	Massive-weakly	Coarse grained quartz porphyroblasts (15%). 1% potassic alteration. Localized vuggy sections.	20	0	Tr to <1	Tr
113.0	122.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Quartz vein at 113.8-113.8m, 115.6-115.8m, 117.2m, 121.8-122.5m. Pervasive quartz-carbonate spider veinlets with potassic and/or sericitic alteration halos.	10	0	<1	Tr to <1
122.7	126.9	Diorite	Grey	Medium Grained	Massive-weakly	Pervasive quartz-carbonate spider veinlets with sericitic alteration halos. Biotite increase (30%) at 126.8-126.9m.	20	0	Tr	Tr
126.9	145.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized vuggy sections with epidote and fine grained pyrite (1-2%). Pervasive quartz-carbonate spider veinlets with sericitic and/or potassic alteration halos. Quartz-feldspar pegmatite at 135.6m and 144.4-144.7m. Quartz vein at 142.3-142.4m, 142.8-143.0m, and 143.2-142.3m. Silification at 138.4-138.6m.	10	0	<1 to 1	Tr
145.2	146.9	Diorite	Grey	Fine-medium	Massive-weakly	Coarse grained quartz porphyroblasts (10%).	20	0	<1	Tr
146.9	148.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy chlorite at 147.2m and 147.5-147.6m. Chlorite zones contain 2% fine grained disseminated pyrite.	15	0	1	Tr
148.0	151.3	Amphibolite	Grey and Green	Fine-medium grained	Moderately well-well Foliated	3-5% streaky, blebby sulphides at 148.1-148.6m and 148.7-148.8m. Patchy chlorite at 148.7-148.8m. Interbedded with lower felsic gneiss (S) at 151.2-151.3m (1-2 cm beds). Pervasive quartz-carbonate veinlets.	25	0	1 to 2	1
151.3	162.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Medium-coarse grained blebby pyrite at 152.7m, 159.3m, and 160.7m. Quartz veins at 153.2-153.3m, 156.5-156.7m, and 162.2-162.4m. Granitic pegmatite sections at 159.3-159.4m and 162.0-162.2m. Altered felsic gneiss (S) sections at 156.0-156.5m. Pervasive quartz-carbonate spider veinlets with sericitic and/or potassic alteration halos. Hematite at 156.0m.	20	1 to 2	1	Tr<1
162.7	165.2	Altered Garnet Biotite Felsic Gneiss	Dark green, black and pink	Fine-medium grained	Moderately Well Foliated	Quartz pegmatite with coarse to very coarse grained blebs pyrite-pyrrhotite at 164.1-164.2m. Coarse grained pyrite-pyrrhotite veinlet (1-4 mm thick) at 163.8m. Chlorite alteration overprint.	30	10	1	1
165.2	169.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Pyrite veinlet (1-3 mm thick) at 165.8m. Quartz pegmatite at 167.6-167.8m. Patches of Felsic gneiss (G) at 167.3-169.0m. Chlorite alteration with 1-2% pyrite at 166.5-166.6m. Pervasive quartz-carbonate spider veinlets with sericitic alteration halos.	10	<1	1	Tr
169.0	180.5	UMLAMP Dike	Dark Grey	Fine-medium	Massive		5	0	Tr	Tr
180.5	193.2	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Weakly-moderately	Pervasive quartz-carbonate spider veinlets, some have sericitic alteration halos. Localized potassic alteration.	20	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
193.2	210.3	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse grained	Moderately Well Foliated	Coarse grained blebby pyrite at 198.5m and 205.7m. Small localized patches of fine-medium grained epidote and biotite. Pervasive quartz-carbonate spider veinlets with potassic and/or sericitic alteration halos. Rock contains 5-10% potassic alteration and 2-3% sericitic alteration. White, pink, green quartz-feldspar pegmatite at 209.2-209.3m. Localized zones with coarse grained feldspars from 201.3m to 203.3m.	10	0	<1	Tr
210.3	211.1	UMLAMP Dike	Black	Fine-medium	Massive	Sharp contact with upper unit, no alteration of felsic gneiss.	0	0	Tr	Tr
211.1	241.6	Diabase Dike	Black	Fine-medium	Massive	UMLamp dike at 221.1-222.0m and 235.0-236.8m. Pervasive quartz-carbonate spider veinlets with sericitic alteration halos.	0	0	Tr	Tr
241.6	250.8	Amphibolite	Grey and Green	Fine-medium grained	Moderately Well Foliated	GOW pegmatite at 247.5-247.7m and 249.9-250.0m. Silicification at 247.7-248.4m. Coarse grained, blebby pyrite with chloritic alteration at 242.6m. Coarse grained, blebby pyrrhotite at 246.3m. Pervasive quartz-carbonate spider veinlets with sericitic alteration halos.	5	0	1	1 to 2
250.8	253.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite felsic gneiss at 251.8-252.1m. Biotite felsic gneiss contains 2-3% sulphides. Some coarse grained sulphides in biotite felsic gneiss.	25	0	1	<1
253.3	263.9	Altered Biotite Felsic Gneiss	Grey and Green	Medium-coarse grained	Moderately Well Foliated	Localized zones of coarse blebby sulphides. Unit comprised of intermittent cm-scale fine grained amphibole rich sections and biotite rich sections. Coarse grained porphyroblastic amphibole is present throughout. Quartz pegmatite at 262.1-262.2m.	30	0	1 to 2	1
263.9	274.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Localized medium-coarse grained blebby sulphides. Localized sections of 30% biotite. Localized sections of 5-10% garnet. Pervasive quartz-carbonate spider veinlets with sericitic alteration halos. Quartz pegmatite sections at 265.5-265.6m, 270.1-270.3m, 270.9-271.1m, and 272.0-272.1m.	5	<1	1	<1 to 1
274.8	283.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized coarse grained blebby sulphides. Abundant granitic pegmatites with coarse grained blebby sulphides. Abundant potassic alteration. Localized 1-3 cm sections of garnet biotite felsic gneiss. Abundant quartz spider veinlets.	5	<1	<1 to 1	<1 to 1
283.0	284.5	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Localized coarse blebby and streaky sulphides. Abundant sericitic alteration, and localized chloritic and potassic alteration.	30	2 to 3	1 to 2	<1
284.5	291.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse grained	Moderately Well Foliated	Localized granitic pegmatite with coarse blebby sulphides. Section with 15% fine grained sillimanite bundles at 286.1-286.3m. Localized potassic alteration, quartz spider veinlets, and sections with 30% garnet.	40	5 to 10	1	1
291.0	296.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant garnet biotite sections with 2-3% sulphides. Abundant granitic pegmatites with coarse grained biotite and sulphides at margins. Localized sericitic alteration.	20	1 to 2	1	<1
296.2	297.4	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	5-6 mm sulphide vein at 297.2m. Localized granitic pegmatites. Localized white fine grained asicular crystals amphibole. Abundant siliceous and sericitic alteration. Localized chloritic alteration.	30	5	1	<1 to 1
297.4	304.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Abundant granitic pegmatites with coarse grained blebby sulphides at margins.	40	2	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
304.8	308.7	Altered Felsic Gneiss (S)	Grey, black and pink	Fine Grained	Banded	Local coarse grained, disseminated to blebby pyrite. Banded zones of potassic alteration (0.5-5.0 cm bands). Quartz-feldspar porphyry at 304.8-305.2m. <1-1% fine grained disseminated pyrite in QFP. Pervasive quartz-carbonate spider veinlets.	2	0	1	Tr
308.7	316.6	Felsic Gneiss (S)	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Local sections of amphibole felsic gneiss with 40% medium-coarse grained porphyroblastic amphibole. Local quartz feldspar pegmatite. Local biotite rich zones with 2-3% fine grained, disseminated sulphides. Pervasive quartz spider veinlets. Localized sericitic, potassic, and chloritic alteration.	5	0	1	Tr
316.6	319.1	Diorite	Grey, black and pink	Medium-coarse	Weakly Foliated	Pervasive potassic alteration of quartz-feldspar phenocrysts. Rock contains 15% potassic alteration. Abundant quartz spider veinlets with potassic alteration halos.	5 to 10	0	1	Tr
319.1	322.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermittent medium-coarse grained diorite layers (2-20 cm). Localized coarse grained blebby pyrite. Localized medium grained blebby-streaky pyrite zones (2-3% pyrite). Abundant quartz spider veinlets, some with sericitic alteration halos. Quartz-carbonate vein (5-8 mm thick) with 2-3 cm thick potassic alteration halo at 320.4m.	10	0	<1 to 2	Tr
322.6	331.7	Diorite	Grey	Medium-coarse grained	Massive-weakly foliated	Intermittent felsic gneiss (S). Quartz-feldspar pegmatite at 328.3-328.5m. Localized quartz pegmatites. Localized patchy chlorites with medium-coarse grained sulphides. Abundant quartz spider veinlets, some have sericitic alteration halos.	5 to 10	0	<1	Tr to <1
331.7	339.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized 0.5-1 cm thick biotite rich zones with 1% sulphides. Abundant quartz spider veinlets, some with sericitic alteration halos (0.1-5.0 cm thick). Altered garnet biotite felsic gneiss containing 2% medium-coarse grained disseminated-blebby sulphides at 339.1-339.6m.	10	0	Tr to <1	Tr to <1
339.6	341.1	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Barren sulphide mineralization, 1-2% sericitic alteration	0	0	Tr	0
341.1	349.8	Amphibolite	Dark Green	Fine-medium grained	Moderately well-well Foliated	Pegmatite interval similar to overlying at 343.8-344.5m, garnet mineralization increases and coarsens downhole, trace chalcopyrite in areas of increased pyrrhotite mineralization, 5-7% chlorite alteration	1 to 2	3 to 5	<1	<1 to 1
349.8	357.3	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Biotite rich(20-25%) interval at 351.5-353.0m with no increased sulphide mineralization and trace garnets, amphibolite interval similar to overlying at 354.1-354.5m, intermixing with underlying pegmatite in bottom 2m of unit, biotite content increases downhole, 15-20% sericitic and 3-5% potassic alteration	5 to 7	0	<1	Tr
357.3	359.5	Pegmatite	Green, white, and pink	Coarse-very coarse	Massive	Poor sulphide mineralization occurring in and around biotite, 2-3% sericitic alteration	2 to 3	Tr	Tr	Tr
359.5	366.2	Amphibolite	Dark green, black and	Fine-medium	Moderately well-well	Fine-medium groundmass with fine-coarse garnet, biotite mineralization decreases downhole, 3-5% chloritic alteration	3 to 5	5 to 7	<1	<1 to 1
366.2	368.3	Pegmatite	Grey, white, and green	Medium-coarse	Massive	Medium grained biotite zones(<5cm) and bands(<1cm) with 1% pyrrhotite, 3-5% sericitic alteration	3 to 5	0	<1 to 1	<1 to 1
368.3	370.1	Biotite Felsic Gneiss	Grey and white	Fine-medium	Moderately well-well	Pegmatite intermixing within 50cm of lower contact with <1-1% clotty sulphides within	30 to 40	0	Tr	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
370.1	393.0	Amphibolite	Dark green and pink	Fine-medium grained	Moderately well-sorted Foliated	Local zones(<1m) of coarse garnet mineralization and trace chalcopyrite, fine grained biotite zones(<1-20cm) throughout with trace sulphides, 3-5% chloritic alteration. End of Hole	7 to 10	5 to 7	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 368	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 01-May-12	Date Completed 18-May-12	Date Logged May.1-18 2012	Logged By Craig Yuill; Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329743
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304104
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.1	Casing								
21.1	49.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Patchy sections of potassic alteration. Localized sections of granitic pegmatite. Patchy biotite is associated with crystals of biotite.	5 to 10	0	<1	Tr
49.2	51.0	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized medium-grained blebby pyrrhotite and pyrite associated with quartz clots.	60	0	<1 to 1	<1 to 1
51.0	61.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized section of vugs, quartz spider veinlets with sericitic alteration haloes.	10 to 15	0	1	<1
61.9	65.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Localized coarse grained blebby pyrite. Gradiational lower contact dominated by felsic gneiss (s). Localized quartz clots, and quartz spider veinlets.	15		1 to 2	Tr
65.7	70.7	Quartz Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Coarse grained quartz-feldspar phenocrysts in a felsic and biotite matrix.	20	0	<1	Tr
70.7	73.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets, and vuggy sections. Pyrite is associated with biotite.	5 to 10	0	1 to 2	Tr
73.0	89.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	Localized sections of 1-2% blebby and disseminated sulfides associated with biotite rich sections. Localized sections of chlorite alteration.	10	0	<1 to 1	<1 to 1
89.9	95.0	Amphibolite	Grey and Green	Fine Grained	Weakly-moderately	Pervasive chlorite alteration. Intermittent felsic rich sections. Localized quartz pegmatite clots.	15 to 20	1	1	1
95.0	180.3	Felsic Gneiss (S)	Variable Grey	Medium-coarse grained	Moderately Well Foliated	Variably biotite content across the unit, with increased pyrite associated with biotite. Localized fine grained siliceous cm-scale bands, and clots. Localized quartz spider veinlets, and veins, some with sericite and potassic alteration haloes. Localized coarse grained blebs of pyrite. Localized intruding >1m diorite sections.	10	0	1 to 2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
180.3	191.6	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Secondary blebby, schlieren and disseminated textured pyrite and pyrrhotite. Localized biotite rich sections associated with increased sulfides. Intermixed cm-scale diorite intrusive sections. Patchy chlorite alteration.	15	0	1 to 2	1
191.6	197.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Localized quartz-carbonate spider veinlets, with localized potassic and sericitic alteration haloes. Localized mm-scale vugs. Pyrite associated with biotite crystals.	5	0	<1	Tr
197.9	202.5	Felsic Gneiss (G)	Grey and Green	Coarse Grained	Weakly-moderately	Localized quartz veins (1-8 cm), spider veinlets, and sericitic alteration occurring as haloes around veinlets and in the matrix. Pyrite is associated with crystals of biotite.	5	0	<1	Tr
202.5	215.9	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Section of fine grained felsic gneiss (S) with 3% fine grained disseminated pyrite and local coarse grained blebby pyrite at 213.8-214.3m. Quartz pegmatite with coarse-very coarse grained disseminated-blebby pyrite and vugs at 205.9-206.4m. Localized quartz pegmatite. Abundant quartz spider veinlets, some with potassic and/or sericitic alteration halos.	10	tr to <1	2	tr
215.9	218.5	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized sections with 2-3% fine grained streaky-disseminated pyrite. Localized quartz flooding, and quartz spider veinlets.	20	0	1 to 2	tr
218.5	224.0	Diorite	Grey	Medium-coarse	Moderately Well Foliated	Localized quartz spider veinlets with sericitic alteration halos. Localized vugs with epidote.	20	0	tr to <1	tr
224.0	228.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized coarse grained disseminated sulphides. Localized sections of coarser grained felsic gneiss (S). Pervasive coarse grained rounded quartz porphyroblasts. Localized quartz spider veinlets.	10 to 15	0	1	tr
228.4	230.0	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Abundant quartz spider veinlets.	40	0	1	tr
230.0	236.4	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized section with 3% medium-coarse grained streaky sulphides at 233.0-233.5m. Intermittent sections of felsic gneiss (S). Localized quartz pegmatites. Abundant quartz spider veinlets.	25	0	1 to 2	<1
236.4	241.2	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Localized coarse grained blebby sulphides. Localized quartz pegmatite.	5 to 10	0	1	<1
241.2	246.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained streaky pyrite. Localized sections of garnet biotite felsic gneiss with 2% sulphides. Section of felsic gneiss (G) at 246.0-245.4m. Localized quartz spider veinlets with sericitic alteration halos.	20	1	1 to 2	tr
246.5	248.1	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Weakly-moderately	Localized patchy chlorite. Localized quartz pegmatite. Localized quartz spider veinlets.	30	1	1	tr
248.1	253.8	Felsic Gneiss (G)	Grey	Medium-coarse grained	Weakly Foliated	Localized coarse grained pyrrhotite at 249.9m. Localized quartz flooding. Localized quartz pegmatites. Abundant quartz-carbonate spider veinlets with sericitic alteration halos.	5	2	tr	tr
253.8	257.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Section with quartz pegmatite, coarse grained patchy chlorite, vugs, and 3-5% sulphides at 255.9-259.2m. Localized quartz pegmatites with coarse grained blebby sulphides at margins. Intermixed sections of felsic gneiss (S). Localized coarse grained porphyroblastic garnets. Localized quartz spider veinlets with sericitic alteration halos.	30	3 to 5	1 to 2	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
257.0	260.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz pegmatites with coarse grained blebby sulphides at margins. Abundant quartz spider veinlets with sericitic alteration halos. Localized sections of biotite felsic gneiss.	10	0	1	tr to <1
260.7	265.4	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately well-well Foliated	Localized medium-coarse grained streaky pyrite. Intermixed felsic gneiss (S). Localized bands of siliceous alteration. Quartz-carbonate vein (2-4 mm thick) with siliceous alteration halo (1-2 cm thick) at 261.7m. Abundant quartz spider veinlets, some with sericitic alteration halos. Localized quartz pegmatites.	30	2	1 to 2	tr
265.4	268.3	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized coarse grained blebby and/or streaky sulphides. Localized quartz pegmatites.	5 to 10	1	1	tr
268.3	270.1	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Localized quartz pegmatites.	5	<1	<1	tr
270.1	273.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Felsic gneiss (G) similar to above unit and containing bundles of fine grained sillimanite crystals at 271.5-272.2m. Localized quartz pegmatites with coarse grained blebby sulphides at margins. Localized quartz spider veinlets.	5	<1 to 1	1 to 2	<1
273.5	278.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Intermixed felsic gneiss (S) at 274.5-275.5m, 275.8-276.0m, and 276.8-277.6m. Siliceous alteration at 277.8-278.0m. Localized coarse grained blebby-streaky sulphides. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	30	1 to 2	2	<1 to 1
278.0	281.4	Altered Biotite Felsic Gneiss	Dark\Light green and	Fine-medium	Moderately Well Foliated	Localized coarse grained calcite clots. Unit has less chloritic alteration near lower contact. Localized fine-medium grained streaky sulphides.	3 to 5	0	1 to 2	1
281.4	282.7	Altered Garnet Biotite Felsic Gneiss	Light Grey	Medium-coarse grained	Weakly-moderately well foliated	Unit contains a series of parallel, 2-3 cm thick quartz veins. 80% of unit has undergone siliceous alteration. Siliceous section contains only trace sulphides. 281.4-281.6m is garnet biotite felsic gneiss with minor chloritic alteration contains 2% sulphides. Coarse grained blebby sulphides at lower contact of unit.	5	1 to 2	<1	<1
282.7	283.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Weakly-moderately	4-8 cm thick quartz-carbonate vein with coarse grained biotite and garnets at margins at 283.4m. Localized quartz pegmatites. Localized coarse grained sulphides.	30	2 to 3	1 to 2	<1
283.8	285.3	Felsic Gneiss (G)	Light Grey	Medium-coarse	Weakly Foliated	Localized quartz veins (1-3 mm thick) with minor potassic alteration halos.	2 to 3	<1 to 1	<1	tr
285.3	290.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	Intermittent sections of garnet biotite felsic gneiss with 2% sulphides. Localized coarse grained blebby sulphides. Localized quartz pegmatites. Vuggy section at 286.0m.	20	3 to 5	1	<1 to 1
290.0	295.8	Felsic Gneiss (G)	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermittent sections of garnet biotite felsic gneiss with 2-3% sulphides. Localized quartz pegmatites. Localized quartz spider veinlets.	10	2	1	<1 to 1
295.8	297.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Weakly-moderately	Localized quartz-feldspar pegmatites.	35	5 to 10	2	<1 to 1
297.6	301.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized sections with patchy chlorite and medium-coarse grained blebby sulphides. Localized vuggy sections. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	<1	1 to 2	tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
301.6	326.5	Diorite	Grey	Medium-coarse grained	Massive-weakly foliated	Intermittent sections with coarse grained quartz phenocrysts. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. Localized vuggy sections.	10	0	1	tr
326.5	335.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermixed layers of diorite. Localized zone with coarse grained patchy chlorite and 2-3% medium grained blebby sulphides at 333.6-333.8m. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	5 to 10	0	1	<1
335.9	347.1	Diorite	Grey	Fine-medium grained	Moderately Well Foliated	Intermixed zones of felsic gneiss (S). Sulphides found with localized patches of medium-coarse grained chlorite or biotite. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr to <1
347.1	352.0	Felsic Gneiss (G)	Grey	Medium-coarse grained	Massive-weakly foliated	Sulphides located near margins of quartz pegmatite at 349.5-349.6m. Intermittent zones with plagioclase phenocrysts. Potassic alteration at 351.2-351.4m. Pervasive quartz-carbonate spider veinlets with potassic alteration halos.	1	0	tr to <1	tr to <1
352.0	368.0	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Localized sections with net-textured pyrrhotite. Localized coarse grained blebby, and streaky pyrrhotite. Sulphides located near upper contact of unit. Localized coarse grained sections. Breccia and fault with gouge at 360.7-360.9m. Abundant quartz spider veinlets. EOH	5 to 10	10	tr	1 to 2

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 192	Total Depth (m) 681	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 30-Apr-12	Date Completed 23-May-12	Date Logged May1-May 24, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 330219
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304222
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	24.3	Felsic Gneiss (G)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained, weakly to moderately well foliated granitic felsic gneiss with 4-5% muscovite and 5% biotite. Intermixed with a medium grained conglomerate felsic gneiss (15%). Presence of local barren, white massive quartz veinlets (3-4%). 8.4-9m: altered gneiss containing biotite (3-5%), amphibole (10-15%), dominantly mafic with presence of chloritic alteration.	5	0	<1	Tr
24.3	25.3	UMLAMP Dike	Grey	Fine-medium	Dike	Weak to moderately fractured.				
25.3	40.3	K-Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Weakly-moderately	Intermixed with sections of granitic felsic gneiss (10%). Moderate potassic alteration (20%). Weakly fractured.	5	0	<<1	Tr
40.3	42.5	UMLAMP Dike	Grey	Fine Grained	Dike	Local zones of an altered sedimentary felsic gneiss (<6%). Unit is weak to moderately fractured.				
42.5	58.4	Felsic Gneiss (s)	Grey	Medium Grained	Weakly-moderately	Intermixed with a medium to coarse grained quartz feldspar porphyry (30%). Presence of chloritic alteration.	15 to 20	0	1 to 2	Tr
58.4	63.2	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Potassic alteration (5-10%).	2 to 4	0	Tr	Tr
63.2	75.9	Diorite	Grey	Medium Grained	Weak to moderately	Interlayered with a fine to medium grained sedimentary felsic gneiss (20%). Presence of chloritic alteration 3-4%.	5	0	1 to 2	Tr
75.9	125.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Grey, fine to medium grained, moderately well foliated sedimentary felsic gneiss with 10-15% biotite. Chloritic alteration (2-3%) and quartz veins (2%). Quartz veins contain fine to medium grained pyrite clots.	10 to 15	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
125.5	128.5	Diabase Dike	Black	Fine Grained	Dike					
128.5	138.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	1	
138.5	154.8	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained two mica granite interlayered with a medium grained sedimentary felsic gneiss (15-20%). Sericitic alteration haloes (3-4%).	5 to 10	0	1	Tr
154.8	158.3	Quartz Feldspar Porphyry (QFP)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained quartz feldspar porphyry with 30% sub rounded quartz grains (2-3mm). Intense sericitic alteration (25%)	5	0	Tr	Tr
158.3	159.4	UMLAMP Dike	Grey	Fine Grained	Dike					
159.4	169.2	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with zones of quartz feldspar porphyry (15%). Intense sericitic alteration (20%). 0.2m quartz vein with increased biotite at margins. Weak to moderately fractured. Clotty sulphides associated with vein.	15	0	<1	
169.2	176.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Moderate sericitic (2%) and potassic (2%) alteration haloes. Local zones of chloritic (1-2%) alteration and increased quartz (5-8%) fragments.	20	0	<1	<1
176.5	177.5	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey, biotite felsic gneiss with moderate chloritic alteration (5%).	35 to 40		1 to 2	2 to 3
177.5	180.4	Quartz Feldspar Porphyry (QFP)	Grey, white and blue	Medium Grained	Weakly-moderately well foliated	Grey, white and blue medium grained quartz feldspar porphyry intermixed with a sedimentary felsic gneiss (20%) and with 15-20% biotite and 55-65% felsic components. 25-30% of unit contains a light blue translucent mineral ? Disseminated throughout.	15 to 20	0	1	Tr to <<1
180.4	184.5	Altered Biotite Felsic Gneiss	Dark Grey	Fine-medium	Weakly Foliated		30	0	1 to 2	<1
184.5	188.5	Quartz Feldspar Porphyry (QFP)	Grey, white, and blue	Medium Grained	Weakly-moderately	Same as previous. Clotty and veinlet pyrrhotite associated with increased quartz fragments and a quartz veinlet with biotite along margin- no presence of blue mineral.			1	1 to 2
188.5	190.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated		25		1 to 2	1
190.9	209.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well foliated	Intermixed with local zones of chloritic (15%) alteration. Presence of potassic alteration haloes.	15	0	1	Tr
209.3	215.3	Amphibole Felsic Gneiss	Grey	Medium Grained	Moderately Well Foliated	Amphibole felsic gneiss interlayered with a chloritic altered sedimentary felsic gneiss. Unit contains 15% biotite	15	0	<1	Tr
215.3	223.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Minor carbonate spider veinlets.	5	0	<1	Tr
223.0	226.9	Altered Felsic Gneiss (S)	Grey and pink	Fine-medium	Weakly Foliated	Presence of quartz carbonate clasts, no visible sulphides.	10	0	Tr	Tr
226.9	239.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Moderate chloritic altered sedimentary felsic gneiss intermixed and interlayered with a dark green medium grained amphibole felsic gneiss (35-40%).	15	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
239.8	263.9	Amphibolite	Dark Green	Medium-coarse grained	Weakly-moderately well foliated	Medium to coarse grained massive pyrrhotite vein (0.1m) at 249.2m. Clotted pyrite found within pyrrhotite vein. Presence of minor chalcopyrite (<<1%). 255.8-263.9m: fine to medium grained amphibolite with 1-2% blebby pyrrhotite and 1% pyrite.	5 to 10	0	<1	1
263.9	291.4	Diabase Dike	Dark Grey	Fine-medium	Dike					<<1
291.4	300.4	Diorite	Grey, white, and pink	Medium-coarse	Weakly-moderately	Potassic alteration haloes (5-8%).	10	0	1	Tr
300.4	301.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Potassic alteration haloes (5%).	5	0	<1	Tr
301.9	303.1	UMLAMP Dike	Grey	Fine Grained	Dike					
303.1	306.8	Diorite	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Same as previous.	10		<1	Tr
306.8	308.9	Amphibolite	Dark Green	Fine Grained	Weakly Foliated	Intermixed with an amphibole felsic gneiss.	2	0	Tr to <1	Tr
308.9	311.9	Diorite	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Same as previous.	10 to 15	0	<1	Tr
311.9	321.7	K-Altered Felsic Gneiss (S)	Grey and Pink	Fine Grained	Moderately Well Foliated	Intervals of a dark green fine to medium grained amphibole felsic gneiss (15%). Presence of local quartz veins (5%).	5 to 10	0	<1	Tr
321.7	335.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained amphibole felsic gneiss (25%). Potassium alteration (1-2%) and spider carbonate veinlets (4-5%).	10		<1	Tr
335.4	338.8	Amphibolite	Dark Green	Fine Grained	Weakly Foliated	Quartz-carbonate spider veinlets. Minor chloritic alteration (3-4%).	5	0	1	Tr
338.8	342.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with local zones of a medium to coarse grained granitic felsic gneiss.	10 to 15	0	<1	<<1
342.3	353.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intervals of potassically altered sedimentary felsic gneiss (5%). Quartz-carbonate fragments (<2%).	15	0	<1	Tr
353.9	357.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Quartz carbonate spider veinlets (5%).	5	0	<<1	Tr
357.1	359.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5 to 10	0	Tr	Tr
359.4	361.3	Diabase Dike	Grey-Green	Fine Grained	Dike					
361.3	365.4	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated		10		Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
365.4	371.3	Diabase Dike	Grey-Green	Fine Grained	Dike	Contains sericitic alteration haloes (2-3%).				
371.3	374.7	K-Altered Felsic Gneiss (S)	Grey and Pink	Fine-medium	Weakly Foliated	Interlayered with a medium grained amphibole felsic gneiss. Local brecciated sections.			Tr	Tr
374.7	403.0	K-Altered Felsic Gneiss (S)	Grey and Pink	Medium Grained	Moderately Well Foliated	Intermixed with a medium to coarse grained potassically altered granitic felsic gneiss (10%) with coarse disseminated muscovite grains. Local zones of quartz fragments (3-5%), sericitic alteration (5%) and iron-carbonate alteration (3-5%).	10 to 15	0	1	Tr
403.0	404.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Quartz-carbonate spider veinlets (2%), potassic alteration haloes (1%) and quartz clasts (1%).	10 to 15			
404.9	410.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intervals of potassic alteration (5-10%). Sericitic alteration haloes.	10	0	1	Tr
410.5	426.9	Altered Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Interlayered with a well foliated medium grained sedimentary felsic gneiss (10%).	35	0	1	Tr
426.9	428.0	Diabase Dike	Black	Fine Grained	Dike	Quartz carbonate spider veinlets (2%).				
428.0	434.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite, interlayered with sections containing up to 20% biotite. Sections containing higher biotite contains 4-5% chloritic alteration. Sericitic (3-4%) alteration, and potassic alteration haloes (5%).	15 to 20	0	<1	Tr
434.6	437.5	Diorite	Grey	Medium Grained	Weakly-moderately	Quartz-carbonate spider veinlets and potassic alteration haloes (5%).	10	0	<<1	Tr
437.5	451.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Quartz-carbonate spider veinlets and potassic (1-2%) and sericitic alteration haloes (<1%). Quartz-carbonate fragments with potassic alteration (1%).	10 to 15	0	<<1	Tr
451.0	468.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite. Unit is moderately silicified. Quartz-carbonate spider veinlets (1-2%) with potassic (1-2%) and sericitic (<1%) alteration haloes.	10 to 15	0	<1	Tr
468.3	470.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10% biotite. Quartz-carbonate spider veinlets with potassic and sericitic alteration haloes. Quartz-carbonate fragments with sericite.	10	<1	<1	Tr
470.2	472.1	Altered Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Interval of sedimentary felsic gneiss (470.7-471.1m, 20-25% biotite, 1-2% garnet, minor <1% fine grained disseminated and schlieren pyrite).	55 to 60	5 to 10	1	<<1
472.1	473.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous. Local zone containing coarse grained muscovite.	5	<1	<<1	Tr
473.0	477.5	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Quartz fragments (<1%) with potassium feldspar. Quartz carbonate spider veinlets (<2%).	5	0	Tr	Tr
477.5	481.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interval of biotite felsic gneiss (479.4-480.2m) with 30-35% biotite, and containing fine grained schlieren type sulphides: pyrite (1%) and pyrrhotite (<1%). Epidote (1-2%) present in sedimentary felsic gneiss.	10	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
481.3	482.7	Quartz Feldspar Porphyry (QFP)	Grey	Medium Grained	Moderately Well Foliated		10	0	Tr	Tr
482.7	491.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 5% biotite. Spider veinlets with sericitic (2-3%) alteration haloes.	5	0	<1	Tr
491.1	506.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intervals of moderate sericitic (5-10%) and potassic (3-4%) alteration. Interlayered with a quartz feldspar porphyry (5%). Presence of massive white quartz veins with clotty fine grained pyrite along the margins. Increased sericitic alteration downhole.	10	0	<1	Tr
506.9	510.4	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained granitic felsic gneiss with 15-20% biotite and 15% muscovite. Interval of dark green medium grained altered amphibole felsic gneiss (508.2-508.7m). Minor disseminated and clotty sulphides. Local garnet biotite felsic gneiss zones.	15 to 20	0	<1	<1
510.4	513.6	Amphibole Felsic Gneiss	Grey and dark green	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained sedimentary felsic gneiss (10%).	10		<<1	Tr
513.6	523.0	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Interlayered with a medium grained amphibole felsic gneiss (35-40%).	5 to 10	0	<1	Tr
523.0	528.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Interlayered with amphibole felsic gneiss (10%).	5 to 10	0	Tr	Tr
528.3	531.4	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Visible pyrite is associated with local zones of sedimentary felsic gneiss.	5 to 10	0	<<1	Tr
531.4	547.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Grey and white, medium grained sedimentary felsic gneiss with 65-70% sub-rounded quartz grains. Quartz-carbonate spider veinlets with sericitic alteration haloes (3%).	10 to 15	0	<<1	Tr
547.6	549.8	Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Dark green, medium grained amphibolite intermixed with local grey, medium grained sedimentary felsic gneiss zones (10%). Chloritic alteration (5%).	10		<<1	Tr
549.8	558.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Quartz-carbonate spider veinlets (5%). Sulphides associated with local chloritic alteration zones and local massive quartz veins.	10 to 15	0	<1	<<1
558.7	575.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained, sedimentary felsic gneiss intermixed with a fine grained dark/light green amphibolite (15%) (5% biotite and 10-15% garnet) and a medium to coarse grained quartz feldspar porphyry (10%).	5 to 10		<<1	<<1
575.9	580.1	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Dark/light green and pink medium grained amphibolite with 5% biotite, 25-30% amphibole and 60% amphibole. Quartz fragments (<1%).	5	25 to	<<1	<1
580.1	582.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Sericitic alteration haloes (1-2%).	10	<1	Tr	Tr
582.5	583.3	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous	10 to 15	20	Tr	<<1
583.3	594.5	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Same as previous. Sericitic alteration (5-10%).	10	0	Tr	<<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
594.5	597.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed with local medium grained amphibolite. Local quartz fragment and vein (7% occurring at beginning of unit). Clotty pyrrhotite associated with quartz vein, and schlieren pyrrhotite along foliation associated with biotite.	10 to 15	0	Tr	<1
597.2	602.8	Amphibolite	Dark\Light green and pink	Fine-medium grained	Moderately Well Foliated	Intermixed with a fine grained silicified sedimentary felsic gneiss (30%) containing 15% biotite and 2-5% sericitic alteration. Sulphides present along foliation. And associated where there is an increase in felsic minerals.	10	20	<1	<1
602.8	605.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as 583.3-594.5m. Sericitic alteration haloes.	10	0	Tr	Tr
605.4	615.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss (20%) with lower biotite content (10-15%). Sericitic alteration haloes (3-5%). Local zones of silicification.	25 to 30	0	<1	Tr
615.2	626.3	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous. 0.3m interval of altered biotite felsic gneiss (with schlieren pyrrhotite along foliation).	5	20 to 25	Tr	<1
626.3	629.9	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Carbonate fragments and veinlets (2%).	5	0	Tr	Tr
629.9	635.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermixed with local amphibolite zones (8%). Sericitic alteration (10%) and alteration haloes (3-4%). Grey and white, medium to coarse grained uartz feldspar porphyry at 634.4-635m.	10	0	Tr	Tr
635.0	637.8	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Same as previous	2 to 3	20	Tr	<<1
637.8	643.6	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium Grained	Moderately Well Foliated	Sericitic alteration haloes (5%).	10	0	Tr	Tr
643.6	646.0	Amphibolite	Dark\Light green and	Fine-medium	Weakly-moderately	Intermixed with a grey fine to medium grained sedimentary felsic gneiss (30%).	10	15	Tr	<1
646.0	647.4	UMLAMP Dike	Dark Grey	Medium Grained	Dike					
647.4	681.0	Amphibolite	Dark/Light Green and	Fine-medium	Moderately Well Foliated	Quartz carbonate spider veinlets with sericitic alteration haloes (2-3%). End of hole.	5	15 to 20	Tr	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 446	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 16-May-12	Date Completed 20-May-12	Date Logged May 17- 20, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 330945
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303632
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing				Overburden				
6.0	8.5	Felsic Gneiss (S)	Grey	Fine-medium	Massive	Moderately blocky and vuggy, 1% hematite alteration veinlets	5	0	1	0
8.5	17.1	Clotty Felsic gneiss Amphibolite		Medium Grained	Weakly Foliated	Trace chalcopyrite, 1% carbonate stringer veinlets, 1% chloritic alteration	7 to 10	0	Tr	Tr
17.1	56.4	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Weakly Foliated	Coarse subrounded plagioclase (5%) crystals throughout matrix, pyrite content increases downhole, amphibole clots(<1cm), vugs with medium euhedral pyrite(1-2%), quartz veins(<10cm) with clotty pyrite(<1%), 20cm diabase dike at 48.2m, 1% hematite alteration veinlets, 1-2% sericitic and potassic alteration.	5 to 7	0	<1 to 1	Tr
56.4	66.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	UM/LAMP dikes(<10cm) within 1.5m of upper contact, moderately blocky within 3m of lower contact, clotty amphibolite at lower 60cm of unit, amphibole clots throughout, 1-2% potassic alteration	5 to 7	0	1	Tr
66.4	80.2	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Intermixed with diorite in upper 6m, barren quartz veins(<15cm), biotite and pyrite content increase downhole, pyrrhotite mineralization localized near amphibole	5 to 7	0	1 to 2	<1
80.2	91.3	Felsic Gneiss (G)	Grey	Medium Grained	Weakly-moderately	<1-1% sphalerite(red and yellow) and trace galena with increased pyrite(2%) between 86.0-89.5m, 1% sericitic alteration	5	0	1	Tr
91.3	95.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss, 1-2% chloritic alteration	7 to 10	0	1 to 2	<1 to 1
95.6	100.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	1% muscovite, amphibole banding(<2cm) with 1% chloritic alteration	5 to 10	0	<1	<1
100.3	102.5	Clotty Felsic gneiss Amphibolite	Grey and Green	Fine-medium	Weakly-moderately	2-3% chloritic alteration	3 to 5	0	<1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
102.5	108.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<5cm) and bands(<1cm), medium 50cm grained diorite at 107.1m	7 to 10	0	<1	Tr
108.0	113.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite and amphibole content increase downhole	7 to 10	0	<1 to 1	Tr
113.1	115.5	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Pyrite mineralization occurs within/around biotite	3 to 5	0	<1	0
115.5	120.4	Diorite	Grey and white	Fine-medium	Weakly Foliated	Interlayered with fine grained sedimentary gneiss in upper 1m	15 to 20	0	<1	Tr
120.4	129.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<20cm) with increased sulphide mineralization, 1-2% sericitic alteration	10 to 15	0	<1	<1
129.3	130.7	Clotty Felsic gneiss Amphibolite	Grey and Green	Fine-medium	Moderately Well Foliated	1-2% chloritic alteration	7 to 10	0	<1	<1
130.7	140.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite banding(<1cm) with increased sulphide mineralization(1-2%), 1-2% sericitic alteration	7 to 10	0	<1 to 1	<1
140.9	146.7	UMLAMP Dike	Black	Fine-medium	Broken	Trace pyrite at contact, subangular clasts(<3cm) in groundmass, alters under/overlying unit within 1-2m of contact	25 to 30	0	Tr	0
146.7	156.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 130.7-140.9m interval, massive(<3cm) fine grained pyrite and pyrrhotite clots at 153.0-153.1m	5 to 7	0	<1 to 1	<1
156.1	157.5	Diorite	Grey and white	Medium Grained	Weakly-moderately	Biotite and amphibole banding(<1cm)	25 to 30	0	<1 to 1	Tr
157.5	162.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Biotite and amphibole banding(<1cm), amphibole increases downhole, barren quartz veins(<10cm) with clotty pyrite at contact	7 to 10	0	<1	<1
162.4	164.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Carbonate replacement in quartz veins, sedimentary gneiss in 163.3-163.8m interval	10 to 15	0	<1 to 1	<1 to 1
164.6	179.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite banding(<1cm) and zones(< 30cm) with increased sulphide mineralization, trace garnet within 3m of lower contact, 2-3% sericitic alteration	10 to 15	Tr	<1 to 1	<1
179.2	180.4	UMLAMP Dike	Black and white	Fine-medium	Dike	Dike alters under/overlying within 1m of contact, barren of sulphides	5 to 10	0	0	0
180.4	182.2	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Barren of sulphides, biotite and amphibole felsic gneiss within 50cm of lower contact with 1% pyrite and <1% pyrrhotite	1 to 2	0	0	0
182.2	183.5	UMLAMP Dike	Black and white	Medium-coarse	Dike	<1% yellow medium grained sphalerite, alters under/overlying unit within 1m of contacts		0	0	0
183.5	211.5	Diorite	Grey and white	Fine-medium	Weakly Foliated	Amphibole clots(<1cm) mineralized throughout groundmass, pyrite clots(<1cm) at contacts and in quartz veins	10 to 15	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
211.5	213.7	Felsic Gneiss (G)	Grey	Fine-medium	Weakly Foliated		7 to 10	0	<1	<1
213.7	218.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<5cm) with 1% sulphides, 1-2% sericitic alteration	7 to 10	0	<1	<1
218.6	221.5	UMLAMP Dike	Black and grey	Fine-medium	Dike	Barren of sulphides, alters under/overlying unit within 2m of contacts	3 to 5	0	0	0
221.5	225.6	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Intermixed with granitic gneiss in upper 3m, biotite increases downhole, 1-2% muscovite	5 to 7	0	<1	<1
225.6	229.3	Diorite	Black and white	Fine-medium	Moderately Well Foliated	Barren white pegmatite 227.1-227.6m, 2-3% sericitic alteration	25 to 30	0	<1	0
229.3	230.4	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Similar to 221.5-225.6m interval	7 to 10	0	<1	<1
230.4	231.6	UMLAMP Dike	Black and white	Fine-medium	Dike	Alters under/overlying unit with 1m of contacts, trace sphalerite	15 to 20	0	0	0
231.6	237.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Biotite content decreases downhole, 1-2% sericitic alteration	7 to 10	0	<1 to 1	<1 to 1
237.3	239.3	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Local biotite bands with clotty sulphides and/or garnet	40 to 50	<1 to 1	<1 to 1	<1 to 1
239.3	243.7	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar to 221.5-225.6m interval	7 to 10	0	<1 to 1	<1 to 1
243.7	247.8	Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Biotite rich in upper portion grading downhole to more amphibole rich, sulphides more clotty in upper portion but abundance consistent throughout	30 to 35	Tr	<1 to 1	1
247.8	253.5	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Carbonate replacement veinlets(<5mm), 3-5% chloritic alteration increasing downhole	3 to 5	0	<1 to 1	1
253.5	257.6	UMLAMP Dike	Black	Fine Grained	Dike	Barren of sulphides, alters over/underlying unit within 2m of upper/lower contact	5 to 7	0	0	0
257.6	265.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite increases downhole, 1-2% purple quartz mineralization, 2-3% sericitic alteration	5 to 7	0	<1	<1
265.5	266.9	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Weakly-moderately	Quartz veins with clotty sulphides at contact	30 to 35	<1	<1	<1
266.9	270.3	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Similar to 257.6-265.5m interval, amphibole mineralization within 50cm of lower contact	10 to 15	0	<1	<1
270.3	275.2	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Similar to 247.8-253.5m interval	10 to 15	0	<1 to 1	1 to 2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
275.2	278.5	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixing of overlying amphibole gneiss and underlying sedimentary gneiss	7 to 10	0	<1 to 1	1 to 2
278.5	280.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Biotite increases downhole, pegmatite(30cm) with <1% sulphides at upper contact	7 to 10	0	<1 to 1	<1 to 1
280.0	281.7	Pegmatite	Grey, white, and green	Coarse-very coarse	Massive	UM/LAMP dike(25cm) at lower contact	2 to 3	0	<1	<1
281.7	285.5	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Amphibole increases downhole, local biotite banding(<1cm) with increased sulphide mineralization, 1-2% chlorite alteration	10 to 15	0	<1 to 1	<1 to 1
285.5	297.8	Felsic Gneiss (G)	Variable Grey	Medium Grained	Weakly-moderately well foliated	Intermixed with pegmatite and well foliated sedimentary gneiss, local biotite zones(<15cm) with increased sulphide mineralization, 1-2% muscovite, pyrrhotite mineralization increases downhole	7 to 10	<1	1	1 to 2
297.8	307.9	Garnet Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately well-well	Granitic gneiss similar to overlying (303.0-304.1m), grain size coarsens towards contacts	60 to 65	5 to 7	1 to 2	1 to 2
307.9	312.8	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately well-well	Intermixed with medium-coarse pegmatite, amphibole within 1m of upper contact, 5-7% sericitc alteration	10 to 15	<1	<1	<1
312.8	318.6	Garnet Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately well-well	Pegmatite intrusions(<10cm) with <1% clotty pyrite, local zones(<3cm) of medium grain size mineralization	60 to 65	5 to 7	<1 to 1	<1 to 1
318.6	321.6	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	UM/LAMP dike(321.8-322.3m) causing alteration within 50cm of contacts, 1-2% sericitic alteration	7 to 10	0	<1	<1
321.6	324.3	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately well-well	Amphibole increases downhole, 2-3% sericitic alteration	40 to 50	0	<1	<1
324.3	326.5	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately well-well	Biotite and pyrite increase downhole, 2-3% sericitic and chloritic alteration	5 to 7	0	<1 to 1	<1
326.5	329.4	Diorite	Grey and white	Medium Grained	Weakly Foliated	1-2% potassic alteration	30 to 35	0	<1	Tr
329.4	338.1	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately well-well	Local zones(<1m) of amphibole mineralization with 1-2% pyrrhotite mineralization, local biotite bands (<1cm) with increased sulphide, 2-3% chloritic alteration	10 to 15	0	<1 to 1	<1 to 1
338.1	360.0	Diorite	Grey and white	Fine-medium	Weakly-moderately	Grain size coarsens dowhole, barren whitish pink medium-coarse pegmatite intrusions(<70cm) throughout, 1-2% sericitic alteration	20 to 25	0	<1	<1
360.0	363.8	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Amphibole mineralization within 1.5m of upper contact, pegmatite intrusions(<20cm) similar to overlying in upper 1m, 2-3% sericitic alteration	5 to 7	0	<1	<1
363.8	373.8	Amphibolite	Dark green, grey and pink	Fine Grained	Moderately Well Foliated	Mostly fine grained groundmass with fine-coarse garnet, biotite decreases downhole, 3-5% sericitic alteration mostly in upper 3m	10 to 15	5 to 7	<1	<1
373.8	376.5	Diorite	Grey and white	Fine-medium	Weakly-moderately	Intermixed with footwall amphibolite, 2-3% sericitic alteration	10 to 15	<1	<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
376.5	389.5	Felsic Gneiss (S)	Dark green, grey and pink	Fine Grained	Moderately well-well Foliated	Intermixed with footwall amphibolite, amphibolite has <1% clotty pyrrhotite and fine-coarse garnet, sedimentary gneiss is very poorly sulphide mineralized, 1-2% chloritic and sericitic alteration	5 to 7	1 to 2	Tr	<1
389.5	391.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with coarse grained pegmatite, 1-2% sericitic alteration	15 to 20	Tr	Tr	<1
391.3	396.6	Amphibolite	Dark green, black and	Fine-medium	Weakly-moderately	Trace chalcopyrite, garnets vary from fine-coarse grained, 2-3% chloritic alteration	1 to 2	3 to 5	Tr	<1
396.6	399.7	Diorite	Grey and white	Fine-medium	Weakly-moderately	1-2% sericitic alteration	15 to 20	0	Tr	<1
399.7	403.5	Amphibolite	Dark green, black and	Fine-medium	Moderately well-well	Similar 391.8-396.6m interval	1 to 2	3 to 5	0	<1
403.5	406.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	2-3% sericitic alteration	10 to 15	Tr	Tr	<1
406.9	428.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Interlayered with medium clotty felsic gneiss amphibolite(<15cm) and footwall amphibolite(<40cm), quartz veins(<20cm) with <1% clotty pyrrhotite, 2-3% sericitic alteration	10 to 15	<1	Tr	<1
428.1	446.0	Amphibolite	Dark green, black and pink	Fine-medium grained	Moderately Well Foliated	Trace chalcopyrite found within massive pyrrhotite(10cm at 432.5m), garnets can be coarse grained, barren diorite interlayers(<1m), 3-5% chloritic and 1-2% sericitic alteration. End of Hole.	2 to 3	5 to 7	0	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 425	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 18-May-12	Date Completed 22-May-12	Date Logged May 18-22 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329743
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304104
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	15.7	Casing								
15.7	16.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Localized sections of quartz biotite pegmatite.	5	0	<1	tr to <1
16.9	28.6	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Weakly-moderately	Localized coarse grained zones with potassic alteration. Localized quartz-feldspar pegmatites. Localized quartz spider veinlets.	5	0	<1	tr
28.6	55.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Massive-weakly foliated	Medium-coarse grained blebby pyrite at 28.7m, 52.8m, and 54.0m. Abundant intermittent section of potassic alteration. Coarse grained muscovite and bundles of fine-medium grained sillimanite throughout unit. Localized quartz spider veinlets.	5	0	<1	tr
55.7	69.6	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Localized sections with medium-coarse grained patchy chlorite and 2-3% medium-coarse grained blebby sulphides. Localized sections with 10% porphyroblastic amphibole. Abundant quartz spider veinlets with sericitic alteration halos. Section with pervasive quartz spider veinlets with sericitic and potassic alteration halos and 2% coarse blebby pyrite at 65.0-66.6m. Localized quartz pegmatites.	20	0	1	<1 to 1
69.6	72.5	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Weakly-moderately	Abundant medium-coarse grained blebby sulphides. Minor chloritic alteration. 2 cm thick UMLAMP dike at 71.4m. Localized quartz spider veinlets.	5	0	1	1
72.5	86.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	5 mm thick pyrite vein at 83.0m. Localized medium-coarse grained blebby pyrite. Localized vuggy sections. Localized medium-coarse grained patchy chlorite. Abundant quartz spider veinlets, some with sericitic alteration halos.	10	0	2	tr
86.4	93.4	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized medium grained blebby pyrite. Localized medium-coarse grained patchy chlorite. Localized vuggy sections. Localized quartz spider veinlets with potassic alteration.	5	0	<1 to 1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
93.4	116.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained disseminated-blebby pyrite. Localized pyrite veinlets (1-2 mm thick). Localized vuggy sections, chloritic alteration, quartz pegmatites, and quartz spider veinlets. In-situ brecca at 108.3-108.7m.	5 to 10	0	2	tr
116.3	122.7	Amphibolite	Dark\Light Green	Medium Grained	Moderately Well Foliated	Interlayers of felsic gneiss (S) near top of unit. Abundant quartz spider veinlets.	5	0	1	1
122.7	136.1	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Intermittent sections of amphibolite matching above unit. Pyrrhotite located in amphibolite sections. Localized quartz pegmatite with coarse blebby sulphides at margins.	5 to 10	0	1	<1 to 1
136.1	138.2	Amphibolite	Dark\Light Green	Medium Grained	Moderately Well Foliated		5	0	<1	<1
138.2	141.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Localized medium grained blebby sulphides.	10	0	1	tr
141.7	149.0	Amphibolite	Dark\Light Green	Medium-coarse	Moderately well-well	Localized medium-coarse grained blebby sulphides.	10	0	1	<1
149.0	150.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized section of coarse grained amphibole felsic gneiss. Localized medium-coarse grained blebby sulphides. Localized quartz pegmatite.	5	0	<1 to 1	tr to <1
150.5	152.1	Amphibolite	Grey and Green	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides.	5	0	1	<1 to 1
152.1	159.8	Felsic Gneiss (S)	Grey and Green	Medium Grained	Weakly-moderately	Localized section of coarse grained biotite. Localized coarse grained patchy amphibole.	10	0	1	tr to <1
159.8	164.7	Amphibolite	Dark\Light Green	Medium-coarse	Moderately Well Foliated	Intermittent sections of amphibole felsic gneiss. Localized medium grained blebby sulphides. Abundant quartz spider veinlets.	5	0	1	<1 to 1
164.7	178.7	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	UMLAMP dike at 173.3-173.8m. Quartz vein at 175.0-175.3m. Pervasive spider veinlets with sericitic alteration halos.	5	0	<1 to 1	tr
178.7	202.0	Diorite	Grey and white	Medium-coarse grained	Weakly Foliated	Pyrite located in localized sections with medium-coarse grained patchy chlorite. Localized coarse grained blebby sulphides. Localized vuggy sections. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	5 to 10	0	tr to <1	tr
202.0	217.2	Amphibolite	Dark Green	Fine-medium	Weakly Foliated	Localized medium-coarse grained blebby sulphides. Localized quartz spider veinlets.	5	0	1	<1 to 1
217.2	236.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Localized coarse grained patchy chlorite. Localized medium-coarse grained blebby sulphides, often with chlorite. Abundant quartz spider veinlets, some with sericitic alteration halos.	5 to 10	0	1	tr
236.0	249.4	Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets, some with sericitic alteration halos.	5 to 10	0	1 to 2	<1 to 1
249.4	256.8	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately well-well Foliated	Localized coarse grained blebby sulphides. Abundant quartz spider veinlets with sericitic alteration halos. 20 cm section of pervasive quartz spider veinlets and potassic alteration at 254.6m.	10 to 15	0	1 to 2	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
256.8	258.2	Diorite	Grey	Fine-medium	Massive-weakly	Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
258.2	259.5	Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Unit resembles felsic gneiss (S) at 249.4-256.8m. Abundant quartz spider veinlets with sericitic alteration halos. Localized medium-coarse grained blebby sulphides. Porphyroblastic amphibole at 259.0-259.5m.	10	0	<1 to 1	tr to <1
259.5	273.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Quartz-feldspar pegmatite at 270.6-270.8m with potassic and chloritic alteration surrounding it. Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr to <1
273.7	276.0	Amphibole Felsic Gneiss	Grey	Medium-coarse	Moderately well-well	Localized coarse grained epidote. Abundant quartz spider veinlets.	5	0	tr to <1	tr
276.0	280.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse blebby sulphides. Localized quartz pegmatite. Localized quartz spider veinlets.	5 to 10	0	1 to 2	<1
280.5	283.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Pervasive medium-coarse grained blebby sulphides. Localized coarse-very coarse grained blebby pyrite. Localized quartz pegmatite. Chlorite alteration near bottom contact of unit.	10	0	3 to 4	1
283.3	293.1	Diorite	Grey	Medium-coarse	Weakly Foliated	30 cm section with pervasive potassic and sericite alteration at 288.0m. Abundant quartz spider veinlets with sericitic alteration halos.	15	0	<1 to 1	tr
293.1	306.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Intermixed sections of medium-coarse grained felsic gneiss (S). Localized sections with pervasive sericitic alteration. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. Localized coarse blebby sulphides.	10	0	<1 to 1	tr
306.5	308.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized coarse grained blebby sulphides. 2-3 mm thick pyrite vein at 307.4m. Localized quartz pegmatite. Pervasive quartz spider veinlets with sericitic alteration halos.	20	1 to 2	1	<1
308.1	310.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	5 to 10	0	<1 to 1	tr
310.2	311.7	Altered Biotite Felsic Gneiss	Black and green	Fine-medium	Well Foliated	Intermittent layers of chlorite and biotite. Localized quartz spider veinlets.	30	0	1	tr
311.7	313.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Localized quartz pegmatite. Localized quartz spider veinlets.	10	0	<1	tr
313.5	316.2	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized medium grained blebby sulphides. Localized quartz pegmatites and spider veinlets.	15	0	1	<1
316.2	319.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	15	1	tr to <1	tr
319.7	321.6	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately well-well	Pervasive quartz spider veinlets.	5 to 10	0	<1 to 1	tr
321.6	326.0	Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Localized fine grained streaky sulphides. Localized coarse grained blebby sulphides. Abundant quartz spider veinlets.	2 to 3	0	1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
326.0	332.4	Biotite Felsic Gneiss	Grey	Fine-medium grained	Well Foliated	Localized medium-coarse grained blebby-streaky sulphides. Intermittent section of medium coarse grained biotite felsic gneiss. Abundant quartz pegmatites and quartz spider veinlets.	30	0	1 to 2	<1
332.4	337.7	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Banded	Localized medium-coarse grained streaky-blebby sulphides. Intermittent sections of coarse grained biotite felsic gneiss. Localized quartz pegmatite. Abundant quartz spider veinlets with sericitic alteration halos.	10 to 15	0	1	<1
337.7	338.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz pegmatites and quartz spider veinlets.	15	2	1	<1
338.7	340.8	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz spider veinlets.	10	1 to 2	1	<1
340.8	342.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	<1
342.1	346.6	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz pegmatites and quartz spider veinlets with sericitic alteration halos.	10	2	1 to 2	<1 to 1
346.6	349.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse blebby sulphides. Chloritic alteration at bottom of unit. Localized quartz spider veinlets with sericitic alteration halos.	15	1 to 2	<1 to 1	<1
349.0	353.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Felsic gneiss (G) at 349.9-350.4m. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. Localized medium-coarse blebby sulphides.	5 to 10	0	<1	tr to <1
353.6	356.4	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Banded	Localized quartz pegmatites and quartz spider veinlets.	10	0	<1	tr
356.4	358.5	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Localized quartz spider veinlets.	5 to 10	0	<1	tr
358.5	359.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized quartz pegmatites and quartz spider veinlets.	10	0	<1	tr
359.8	362.0	Garnet Biotite Felsic Gneiss	Grey	Fine Grained	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz spider veinlets.	30	2	1 to 2	<1 to 1
362.0	374.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Amphibolite interlayer at 370.5-371.1m. Localized coarse blebby sulphides. Localized quartz pegmatites. Localized quartz spider veinlets.	20	0	<1 to 1	tr
374.9	377.3	Diorite	Grey	Medium-coarse	Weakly Foliated	Abundant quartz spider veinlets with potassic and sericitic alteration halos.	15	0	tr to <1	tr
377.3	393.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed diorite. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic and potassic alteration halos.	15 to 20	0	tr to <1	tr
393.0	402.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Intermittent biotite felsic gneiss with 1-2% sulphides at 392.2-392.5m, 392.6-392.7m, 397.5-397.8m, and 402.2-402.3m. Intermittent amphibolite at 397.2-398.0m and 402.1-402.2m. Coarse quartz grains through unit. Localized quartz pegmatite. Abundant quartz spider veinlets with sericitic alteration halos.	20	0	<1 to 1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
402.8	411.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized quartz feldspar pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. Localized quartz spider veinlets with potassic and sericitic alteration halos cross cutting the veinlets lacking potassic alteration.	10	0	tr	tr
411.6	414.9	Amphibolite	Dark\Light green and	Fine-medium	Moderately well-well	Localized coarse grained blebby pyrrhotite. Localized quartz spider veinlets.	5	2	tr	<1
414.9	415.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	10	0	tr	tr
415.8	425.0	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Localized 5-10 cm interlayers of felsic gneiss (S). Abundant quartz spider veinlets. EOH	3 to 5	5	tr	tr to <1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 180	Total Depth (m) 597	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 23-May-12	Date Completed 29-May-12	Date Logged May 23- 29, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 330095
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304269
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	16.9	Diabase Dike	Black	Fine Grained	Dike				<<1	<<1
16.9	28.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 5-10% biotite and 1-2% medium grained muscovite. Sericitic (10%) alteration and local quartz veins (5%). Diabase dike (28.2-28.3m).	5 to 10	0	<1	Tr
28.5	29.0	Diabase Dike	Black	Fine-medium	Dike					
29.0	30.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.				
30.9	34.6	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Grey, medium to coarse grained sedimentary felsic gneiss with 10% biotite and sericitic (5%) alteration.	10		1	Tr
34.6	53.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with a medium to coarse grained granitic felsic gneiss. Sericitic alteration haloes (10%).	10	0	<1	Tr
53.1	63.2	Diabase Dike	Black	Fine Grained	Dike					
63.2	81.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous. Local fine grained white, quartz-carbonate fragments (5%).	10	0	<1	Tr
81.4	87.2	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Moderately fractured. Minor presence of chloritic alteration (2-3%).	5	0	<<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
87.2	89.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Quartz fragments (2-4%).	10 to 15	0	<1	Tr
89.6	90.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		15 to 20	0	1	<1
90.9	97.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local zones of diorite (8% of unit).	5 to 10	0	<1	Tr
97.5	98.8	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		5	0	<<1	Tr
98.8	112.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sericitic alteration haloes (4-5%).	20	0	<<1	Tr
112.5	129.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Moderate sericitic (10%) and potassic (7-8%) alteration. Minor presence of vugs with epidote (2-3%) alteration.	5 to 10	0	<1	Tr
129.3	141.6	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Grey, white and pink granitic felsic gneiss with 10-15% biotite and 15-20% muscovite. 136.6-137: dark green medium grained, amphibole felsic gneiss, moderately fractured.	10 to 15	0	<<1	Tr
141.6	143.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	Tr	Tr
143.7	153.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Same as previous. Potassic alteration decreases downhole.	10 to 15	0	<<1	Tr
153.9	164.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Minor silicified zones, minor to moderate sericitic (4-5%) alteration. Unit is moderately broken	10	0	<1	Tr
164.3	172.3	Altered Felsic Gneiss (S)	Dark Green and Grey	Fine-medium	Moderately Well Foliated	Chloritic altered biotite rich sedimentary felsic gneiss.	20 to 25	0	1	<<1
172.3	184.5	Felsic Gneiss (S)		Fine-medium	Moderately Well Foliated	Same as previous.	10		<1	Tr
184.5	194.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite. Silicified and contains 25% sub-rounded quartz grains.	10 to 15	0	<1	Tr
194.6	219.4	Altered Felsic Gneiss (S)	Dark Green and dark grey	Fine Grained	Moderately Well Foliated	Same as previous. Interlayered with a fine grained sedimentary felsic gneiss (20%) with 15% biotite.	25	0	1	<<1
219.4	221.6	Diabase Dike	Black	Fine Grained	Dike					
221.6	224.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a chloritic (10%) altered sedimentary felsic gneiss.	15 to 20	0	<1	Tr
224.7	250.2	Diabase Dike	Black	Fine Grained	Dike					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
250.2	252.7	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Medium to coarse grained sub-rounded quartz grains (35%). Sericitic alteration haloes (5%).	10		<1	Tr
252.7	254.4	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		5	0	<<1	Tr
254.4	258.3	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Same as previous	10		<<1	Tr
258.3	264.6	Altered Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated		25	0	1	<1
264.6	266.4	UMLAMP Dike	Dark Grey	Fine Grained	Dike					
266.4	274.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10% biotite and 5% local zones of chloritic alteration. Quartz fragments with potassically altered and minor fine grained disseminated pyrite along margins.	10	0	<1	Tr
274.0	299.2	Felsic Gneiss (S)	Grey	Medium-coarse	Well Foliated	Local zones of dark green, medium grained amphibole felsic gneiss (10%).	15 to 20	0	<1	<<1
299.2	302.2	Amphibole Felsic Gneiss	Dark Green	Medium-coarse	Moderately Well Foliated	Intermixed with a fine to medium grained sedimentary felsic gneiss.	15	0	1	<<1
302.2	315.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	302.1-303.3m: amphibole felsic gneiss (same as previous) and 303.3-304: white quartz vein with clots of sedimentary felsic gneiss. Chloritic alteration decreases downhole.	15	0	<1	<<1
315.5	343.0	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium to coarse grained granitic felsic gneiss with 10-15% biotite and 5-10% muscovite. Intermixed with a medium grained sedimentary felsic gneiss (5%). Potassic alteration increases downhole.	10	0	<1	Tr
343.0	347.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local zone of chloritic altered sedimentary felsic gneiss. Presence of quartz fragments (2-3%).	10 to 15	0	<<1	Tr
347.2	348.4	Diabase Dike	Dark Grey	Fine Grained	Dike					
348.4	351.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		10 to 15	0	<1	Tr
351.6	356.9	Altered Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained biotite felsic gneiss with 30-35% biotite and 5-10% chloritic alteration. Minor fine to medium grained clotty chalcopyrite (<<1%). Quartz fragments present throughout (5%).	30 to 35	0	1	<1
356.9	363.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite rich zones (5%). Sericitic alteration haloes (5-8%). Pyrite associated with higher biotite concentrations.	15	0	<1	Tr
363.9	366.3	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Sulphides occur along foliation.	25 to 30	0	<1	<<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
366.3	377.1	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Intermixed with intervals of sedimentary felsic gneiss (20%) with 10-15% biotite. Local zones of chlorite alteration (5%).	20 to 25	0	<1	<<1
377.1	396.2	Amphibole Felsic Gneiss	Grey and Dark Green	Medium Grained	Moderately Well Foliated	Potassic alteration (7-10%).	10	0	<<1	Tr
396.2	400.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Interlayered with a medium grained amphibole felsic gneiss. 396.2-396.9: massive, white quartz vein with fine grained pyrite clots (<<1%) and fine grained galena at lower contact. 398.1-398.7: massive white quartz vein with fine grained schlieren of galena (<<1%) and quartz fragments. Sericitic alteration haloes (<<1%).	10	0	<<1	Tr
400.1	401.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Sulphides occur along foliation.	55 to 60	5 to 7	1	<1
401.2	403.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sericitic alteration haloes (5%).	15	0	<<1	Tr
403.7	405.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss with 10-15% biotite.	10	0	<1	<<1
405.2	407.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sericitic alteration haloes (5-7%). Quartz fragments (3%)	5 to 10	0	<1	Tr
407.6	577.8	Diabase Dike	Black	Fine Grained	Dike	Local zones of sericitic alteration haloes (<2%). At ~539m, a selvage of quartz fragments and medium grained biotite grains. No visible sulphides. Broken upper contact.				
577.8	589.2	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Quartz carbonate veinlets with sericitic alteration. 581-581.6m: grey and white, medium grained quartz feldspar porphyry.	5	20	Tr to	<1
589.2	591.2	Altered Amphibolite	Dark\Light Green	Very Fine-fine grained	Massive-weakly	Gradual upper contact and broken lower contact, quartz carbonate veinlets (30-35%) with sericitic alteration haloes.		0	Tr	<<1
591.2	597.0	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous. End of hole.	5	30	<<1	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 431	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 20-May-12	Date Completed 24-May-12	Date Logged May 21- 24, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331232
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303585
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden				
3.0	38.0	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly Foliated	Subrounded felsic gneiss clots(<3cm) increase downhole and are 1-2% potassic altered, <20cm UM/LAMP dike intrusions at 24.0, 25.5 and 25.7m altering amphibolite within 50cm of contacts, <1% epidote, 1-2% chloritic alteration increasing downhole	30 to 35	0	Tr	0
38.0	40.0	Felsic Gneiss (S)	Grey	Fine- medium	Weakly Foliated	Coarse subrounded quartz crystals(3-5%), hematite alteration halos(<1%) along carbonate replacement veinlets, 1-2% potassic alteration	3 to 5	0	<1	0
40.0	44.9	Diorite	Grey and white	Fine- medium	Weakly Foliated	Biotite increases downhole, trace subrounded amphibole clots(<2cm), 30cm interlayer of over/underlying gneiss at 41.7m	25 to 30	0	<1	0
44.9	68.6	Felsic Gneiss (S)	Grey	Fine- medium	Weakly- moderately	Similar to 38.0-40.0m interval, 40cm quartz vein at 65.1m with <1% clotty pyrite, 1-2% sericitic alteration	3 to 5	0	<1 to 1	0
68.6	80.2	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly Foliated	Similar to 3.0-38.0m interval, 5cm UM/LAMP dike at 73.9m, <1% carbonate spider veinlets	30 to 35	0	Tr	0
80.2	83.9	Diorite	Grey	Fine- medium	Weakly Foliated	2-3% sericitic alteration, intermixing zones(<10cm)with over/underlying amphibolite(1%)	20 to 25	0	<1	0
83.9	93.3	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly Foliated	Similar to 3.0-38.0m interval with <1% felsic gneiss clots	30 to 35	0	Tr	0
93.3	107.1	Felsic Gneiss (S)	Grey	Fine- medium	Weakly- moderately	Similar to 44.9-68.6m interval, 60cm clotty amphibolite interval at 101.4m interval	3 to 5	0	<1	0
107.1	109.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Potassic alteration (5-7%) increases downhole, quartz veins(<3cm) with <1% clotty pyrite, 1-2% sericitic alteration	3 to 5	0	<1	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
109.9	121.6	Clotty Felsic gneiss Amphibolite	Dark green and pink	Medium Grained	Weakly- moderately	Similar to 3.0-38.0m interval, sulphide mineralization localized within 1m of upper/lower contacts, 3-5% potassic alteration, 1% carbonate spider veinlets	25 to 30	0	Tr	0
121.6	127.0	K-Altered Felsic Gneiss (S)	Pink	Fine- medium	Weakly- moderately	Original groundmass texture and mineralization not very discernable due to blocky core and 90% potassic alteration	3 to 5	0	<1	0
127.0	133.8	Altered Amphibole Felsic Gneiss	Dark green and pink	Medium Grained	Weakly- moderately well foliated	Heavily potassic altered(80%) decreasing downhole, very blocky core, original groundmass mineralogy and texture not discernable in upper 4m, 2-3% carbonate spider veinlets, 1-2% chloritic alteration	25 to 30	0	0	0
133.8	138.3	Amphibole Felsic Gneiss	Dark green and pink	Fine Grained	Weakly Foliated	Similar groundmass to overlying with 5-10% potassic alteration decreasing downhole, trace pyrite localized to within 1m of lower contact	20 to 25	0	Tr	0
138.3	141.1	Quartz Feldspar Porphyry (QFP)	Grey, white, and pink	Fine- medium	Weakly Foliated	Interlayered with sedimentary gneiss within 30cm of upper contact, pyrite mineralization increases downhole, 10-15% potassic altered increasing downhole	2 to 3	0	<1	0
141.1	158.7	Felsic Gneiss (S)	Grey and pink	Fine- medium	Moderately Well Foliated	Amphibole banding(<1cm), thin biotite bands(2mm) with 1-2% pyrite, 7-10% potassic alteration decreasing away from upper and lower contacts, 1-2% sericitic alteration	5 to 7	0	<1 to 1	Tr
158.7	163.1	Felsic Gneiss (S)	Grey	Fine-coarse grained	Moderately Well Foliated	Coarse subrounded quartz crystals(5%), 10cm barren white quartz vein at 160.9m, 5% potassic alteration decreasing downhole, 2-3% sericitic alteration	5 to 7	0	<1	Tr
163.1	167.3	Clotty Felsic gneiss Amphibolite	Dark Green	Fine- medium grained	Moderately Well Foliated	Felsic gneiss bands and clots(<10cm) with <1% pyrite mineralization, 1% carbonate spider veinlets, 10cm UM/LAMP dike at lower contact, 2-3% chloritic alteration and 1-2% potassic alteration decreasing downhole	25 to 30	0	Tr	0
167.3	174.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	2-3% sericitic and potassic alteration	5 to 7	0	<1 to 1	0
174.3	180.8	Clotty Felsic gneiss Amphibolite	Dark Green and white	Medium Grained	Weakly- moderately	Carbonate replacement throughout unit in groundmass, felsic gneiss bands and veinlets, no visible sulphide mineralization	25 to 30	0	0	0
180.8	188.0	Amphibole Felsic Gneiss	Dark Green	Fine- medium Grained	Weakly- moderately well foliated	Carbonate replacement in groundmass and quartz veins up to 184.6m, 1-2% epidote, locally folded quartz vein fragments between 184.0-185.5m with <1-1% pyrite, 2-3% chlorite alteration	5 to 7	0	1	<1
188.0	191.9	Diorite	Grey and white	Fine- medium	Weakly Foliated	Moderately blocky and vuggy, 1-2% sericitic alteration	15 to 20	0	<1	0
191.9	194.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Weakly- moderately	Similar to 180.8-188.0m interval with no carbonate replacement	5 to 7	0	1	<1
194.2	197.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well Foliated	Local biotite zones(<20cm) with increased sulphide mineralization, quartz veins/fragments with increased biotite and sulphides at contacts and <1% clotty sulphides, <1-1% muscovite, 1% sericitic alteration	15 to 20	0	<1 to 1	<1
197.7	199.4	Diorite	Grey and white	Medium Grained	Moderately Well Foliated	Amphibole gneiss banding(<2cm) barren of sulphides, moderately blocky	15 to 20	0	Tr	0
199.4	213.9	Felsic Gneiss (S)	Grey	Fine- medium	Well Foliated	Local biotite bands(<1cm) and zones(<5cm) with increased grain size and slight sulphide increase, 30cm quartz vein at 203.8m with <1% clotty pyrite	15 to 20	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
213.9	221.3	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately well-well	Amphibole gneiss bands(<1cm) and zones(<30cm), 15cm UM/LAMP dike at 216.7m, 2-3% potassic alteration	10 to 15	0	<1 to 1	Tr
221.3	223.4	Diorite	Grey and white	Medium Grained	Weakly Foliated	Similar to 197.7-129.4m interval, 1-2% potassic alteration	20 to 25	0	<1	0
223.4	235.2	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Similar to 213.9-221.3m interval, amphibole increases downhole, barren 40cm white quartz vein at 227.9m, 2-3% sericitic alteration	7 to 10	0	<1	Tr
235.2	238.0	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Interlayered with sedimentary gneiss, amphibole layers rich in sulphides(1-2%), 2-3% sericitic alteration	5 to 7	0	1 to 2	<1 to 1
238.0	240.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayer within amphibole gneiss, 3-5% sericitic alteration	5 to 7	0	<1	Tr
240.5	243.1	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Similar to 235.2-238.0m interval	5 to 7	0	1 to 2	<1
243.1	245.6	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately well-well	Local biotite bands(<1cm) with increased garnet and pyrite, garnet varies from fine-coarse grained, 2-3% sericitic alteration	10 to 15	2 to 3	<1 to 1	Tr
245.6	247.4	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately well-well	<1-1% muscovite, quartz fragments(<5cm) barren of sulphides	10 to 15	0	<1	<1
247.4	256.0	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Local amphibole zones(<50cm) with increased sulphide mineralization(1-2%), 3-5% sericitic alteration	5 to 7	0	<1 to 1	<1
256.0	259.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Pink pegmatite intrusions(<20cm) barren of sulphides, 1-2% potassic alteration	10 to 15	0	<1	Tr
259.2	273.6	Felsic Gneiss (G)	Light Grey	Fine-medium	Weakly-moderately	1-2% muscovite, barren pegmatite intrusions(<10cm), 2-3% sericitic and 1-2% potassic alteration	5 to 7	0	<1	Tr
273.6	276.6	Diorite	Grey and white	Fine-medium	Weakly-moderately	Quartz-veins (<15 cm) barren of sulphides, 1-2% sericitic alteration	25 to 30	0	<1	0
276.6	290.6	Felsic Gneiss (G)	Light Grey	Fine-medium	Weakly-moderately	Similar to 259.2-273.6m interval	5 to 7	0	<1	<1
290.6	293.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<10cm) with 1-2% pyrite and garnet, 1-2% sericitic alteration	20 to 25	<1	<1 to 1	Tr
293.9	295.5	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Pyrrhotite mineralization occurs in amphibole zones, clotty sulphides(1-2%) at contact and within quartz veins(5cm) at 293.9m	20 to 25	0	1 to 2	1 to 2
295.5	297.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Coarse pegmatite(296.8-297.4m) with <1% sulphides, local biotite bands(<2cm) with increased sulphide mineralization	7 to 10	0	<1 to 1	<1 to 1
297.7	311.1	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Intermixed with sedimentary gneiss in lower 6m with <1% yellow and red sphalerite(306.5-308.0m), amphibole zones rich in pyrite/pyrrhotite with trace fine grained galena and chalcopyrite within veinlets, coarse pegmatite with <1% clotty sulphides(310.0-3	10 to 15	Tr	<1 to 1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
311.1	312.5	Quartz Feldspar Porphyry (QFP)	Grey and white	Fine-medium	Weakly Foliated	Quartz/feldspar grains are subangular, 1-2% potassic alteration	7 to 10	0	Tr	0
312.5	315.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite increases downhole, 3-5% sericitic and 1-2% potassic alteration	10 to 15	0	<1 to 1	<1 to 1
315.6	320.7	Biotite Felsic Gneiss	Grey	Fine-medium grained	Moderately Well Foliated	Garnets vary from fine-coarse grained, local coarse biotite zones(<10cm), 40cm granitic gneiss interlayer at 318.0m with <1% sulphides, 30cm pegmatite intrusion at 317.3m with 1% fine grained clotty sulphides	40 to 50	3 to 5	1 to 2	1 to 2
320.7	322.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sedimentary gneiss interlayer with local biotite bands(<2cm) with increased sulphide mineralization	10 to 15	0	<1 to 1	<1 to 1
322.3	333.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Boarderline garnet biotite gneiss with biotite increasing downhole, garnets vary from fine-coarse grained, quartz-feldspar porphyry interlayer(329.5-331.3m) with <1% sulphides, pink pegmatite intrusions(<1m) with 1% fine clotty sulphides	50 to 60	3 to 5	1 to 2	1 to 2
333.1	334.5	Quartz Feldspar Porphyry (QFP)	Grey and white	Fine-medium	Weakly Foliated	Similar to 311.1-312.5m, 1-2% sericitic alteration	15 to 20	0	Tr	0
334.5	337.5	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Local biotite zones(<10cm) with increased sulphides and <1% garnet mineralization	35 to 40	Tr	1 to 2	1 to 2
337.5	339.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Quartz veins(<15 cm) with 1% clotty sulphides and coarse biotite at contacts, 1-2% potassic alteration	15 to 20	Tr	<1	Tr
339.8	342.6	Diorite	Grey and white	Fine-medium	Moderately Well Foliated	Barren quartz veins(<10cm), 1-2% epidote, amphibole mineralization part of main groundmass, 1-2% potassic alteration	20 to 25	0	<1	0
342.6	345.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Coarse greenish white pegmatite(1m) at upper contact with <1% clotty sulphides, biotite increases downhole, 1-2% sericitic alteration	10 to 15	<1	<1	<1
345.2	346.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Contact with underlying is graditional over 20cm, 2-3% sericitic alteration	10 to 15	Tr	1 to 2	<1 to 1
346.4	348.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Local zones of coarse biotite(<5cm) with sulphide mineralization consistent throughout	60 to 65	5 to 7	1 to 2	1 to 2
348.1	353.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite bands(<1cm) and zones(<5cm) with garnet and increased sulphide mineralization, biotite decreases downhole, 1-2% sericitic alteration	15 to 20	2 to 3	<1 to 1	<1 to 1
353.7	363.6	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayers(<50cm) with <1% sulphide at 360.2m, similar to 346.4-348.1m interval	60 to 65	5 to 7	1 to 2	1 to 2
363.6	372.1	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Moderately Well Foliated	Local biotite zones(<50cm) with 2-3% clotty sulphides and 1-2% garnet, 20cm quartz-feldspar porphyry at 366.0m, amphibole increases downhole, barren 70cm quartz vein at 370.3m, 2-3% sericitic and chloritic alteration	20 to 25	<1 to 1	1 to 2	1 to 2
372.1	374.5	Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Visible gold mineralization(1mm spec) in groundmass at 373.2m depth within fine grained 20cm biotite rich zone(60%) with 2-3% disseminated pyrrhotite and 1-2% disseminated pyrite, amphibole increases downhole	40 to 50	0	1 to 2	2 to 3

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
374.5	379.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Amphibole banding(<2cm) increasing downhole, 1-2% sericitic alteration	10 to 15	0	1	1
379.1	392.6	Diorite	Grey and Green	Fine-medium	Weakly Foliated	Grain size decreases downhole, 1-2% sericitic alteration	10 to 15	0	<1	<1
392.6	398.1	Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Trace chalcopryrite within pyrrhotite, 2m pinkish white pegmatite intrusion at 394.1m with <1% sulphides, 2-3% chlorite alteration	3 to 5	<1 to 1	<1	<1 to 1
398.1	400.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite decreases downhole	10 to 15	0	<1	<1
400.0	404.2	Pegmatite	Grey, white, and pink	Coarse-very coarse	Massive	Amphibolite similar to underlying in upper 60cm, barren transparent quartz veins(<1cm) within pegmatite, 2-3% sericitic alteration	1 to 2	1 to 2	Tr	0
404.2	431.0	Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Trace chalcopryrite within pyrrhotite, garnet increases downhole, 40cm diorite interval with trace sulphides at 427.3m, 5-7% chloritic and 1-2% sericitic alteration. End of Hole.	3 to 5	2 to 3	Tr	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 500	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 22-May-12	Date Completed 28-May-12	Date Logged May 22-28 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329743
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304104
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	16.1	Casing								
16.1	68.3	Clotty Felsic gneiss Amphibolite	Grey and Green	Fine-medium	Moderately Well Foliated	Pervasive felsic gneiss (S) clots within amphibolite. Localized vuggy sections. Localized quartz spider veinlets. Localized felsic pegmatites.	15	0	tr	tr
68.3	89.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized coarse grained patchy chlorite. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
89.3	93.2	Amphibole Felsic Gneiss	Grey	Medium-coarse	Weakly Foliated	Localized patchy chlorite. Localized vuggy sections. Localized quartz spider veinlets.	1 to 2	0	tr to <1	tr
93.2	100.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized coarse grained blebby chlorite. Localized vuggy sections. Abundant quartz spider veinlets with sericitic or potassic alteration halos.	10	0	<1 to 1	tr
100.9	104.0	Altered Felsic Gneiss (S)	Grey, black and pink	Medium Grained	Weakly-moderately well foliated	Sulphides concentrated in biotite and chlorite rich sections. Pervasive potassic and sericitic alteration. Pervasive quartz spider veinlets. Vuggy section with epidote at 103.7m.	5	0	<1 to 1	tr
104.0	114.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Localized coarse grained blebby pyrite. Localized vuggy sections. Localized quartz spider veinlets with sericitic and/or potassic alteration halos.	5 to 10	0	tr to <1	tr
114.3	118.3	Felsic Gneiss (S)	Grey	Fine-medium	Brecciated	Localized coarse blebby sulphides. Chlorite and biotite between breccia clasts. Abundant quartz spider veinlets.	5 to 10	0	1	tr to <1
118.3	119.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Localized coarse grained blebby pyrite. Intermixed bands of chlorite.	30	0	<1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
119.9	136.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Intermittent sections of biotite felsic gneiss with 2% sulphides. Section of biotite felsic gneiss with 3-4% pyrrhotite at 128.9-129.0m. Intermittent diorite. 20 cm thick UMLAMP dike at 134.5m. Localized vuggy sections, quartz pegmatites, chloritic alteration, potassic alteration, and breccia. Pervasive quartz spider veinlets, some with sericitic and/or potassic alteration halos.	20	0	1	<1 to 1
136.8	146.0	Felsic Gneiss (S)	Grey	Medium-coarse grained	Brecciated	Localized coarse grained blebby and vein pyrite. 10 cm section with 3-4% pyrite at 143.1m. Abundant potassic alteration. Abundant quartz spider veinlets, some with sericitic alteration halos. Localized vuggy sections.	20	0	2	tr
146.0	151.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent sections of biotite felsic gneiss. Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets with sericitic alteration halos.	20	0	1	tr
151.8	153.9	Garnet Biotite Felsic Gneiss	Black and grey	Fine Grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets with sericitic alteration halos.	40	<1 to 1	1	1
153.9	157.3	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	25	0	1	tr to <1
157.3	159.4	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic alteration halos.	15 to 20	0	tr	tr
159.4	160.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	25	0	<1	tr
160.6	164.2	Amphibole Felsic Gneiss	Grey	Medium Grained	Weakly Foliated	Localized patchy chlorite. Localized vuggy sections with epidote Abundant quartz spider veinlets with sericitic alteration.	15	0	<1	tr
164.2	168.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately well-well	Localized quartz spider veinlets.	30	2	<1 to 1	tr to <1
168.8	169.8	Amphibolite	Black	Fine Grained	Weakly Foliated		15	0	<1	tr
169.8	172.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Localized medium-coarse grained blebby pyrite. Abundant quartz spider veinlets.	25	0	1	tr
172.1	175.2	Amphibolite	Black	Fine-medium	Massive-weakly	Intermixed felsic gneiss (S). Localized medium grained blebby sulphides. Localized quartz spider veinlets.	10	tr	<1 to 1	<1
175.2	177.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets.	10	0	tr to <1	tr
177.8	183.9	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Abundant quartz spider veinlets with sericitic alteration halos.	5	0	tr to <1	tr
183.9	197.6	Diorite	Grey	Medium Grained	Massive-weakly	Coarse grained porphyroblastic amphibole at 188.9-189.5m. Abundant potassic alteration. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	10	0	tr	tr
197.6	202.5	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Weakly-moderately	Localized coarse grained blebby pyrite. Abundant chloritic alteration. Localized potassic alteration. Pervasive quartz spider veinlets with sericitic alteration halos.	10 to 15	0	2	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
202.5	215.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Weakly Foliated	Intermittent sections of 3% sulphides. Localized medium-coarse grained blebby sulphides. Localized coarse grained patchy chlorite. Medium-coarse grained porphyroblastic biotite of varying percentage through unit. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	1 to 2	tr to <1
215.0	216.3	Amphibolite	Black	Fine Grained	Massive-weakly	Pyrite associated with chlorite. Localized quartz spider veinlets.	5	0	tr to <1	tr
216.3	218.1	Amphibole Felsic Gneiss	Black and grey	Fine-medium	Weakly Foliated	Localized quartz spider veinlets.	5	0	1	<1
218.1	219.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Coarse grained patchy chlorite dominating lower section of the unit. Localized quartz spider veinlets.	3 to 5	1	<1 to 1	tr
219.7	221.0	Amphibole Felsic Gneiss	Black and grey	Medium-coarse	Moderately Well Foliated	Localized fine grained streaky pyrite. Localized quartz spider veinlets.	20	0	<1	tr to <1
221.0	225.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Weakly-moderately	Abundant quartz spider veinlets.	2 to 3	0	<1 to 1	tr
225.7	257.7	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Moderately Well Foliated	1 cm carbonate vein with 20 cm potassic alteration halo at 244.2m. Localized quartz spider veinlets, some with sericitic and/or potassic alteration halos.	25	0	tr to <1	tr
257.7	262.1	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized variations in grain size and biotite content. Sulphides associated with biotite. Abundant quartz spider veinlets with sericitic alteration halos.	5	0	1	tr
262.1	264.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
264.0	268.6	Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed chlorite sections with medium-coarse grained blebby sulphides. Localized quartz spider veinlets.	30	0	1 to 2	<1
268.6	278.9	Amphibole Felsic Gneiss	Grey, white, and pink	Medium-coarse	Moderately well-well	Localized quartz spider veinlets.	20	0	tr	tr
278.9	285.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic alteration halos.	5 to 10	0	<1	tr
285.2	288.9	Garnet Biotite Felsic Gneiss	Black and grey	Fine-medium	Moderately Well Foliated	Localized medium grained blebby sulphides. Localized quartz spider veinlets.	30 to 35	<1 to 1	1	tr to <1
288.9	302.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets.	15	0	<1	tr
302.1	305.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse grained blebby pyrite. Localized quartz pegmatites. 10 cm of felsic gneiss (G) at 303.7m. Abundant quartz spider veinlets with sericitic alteration halos.	5	0	tr to <1	tr
305.8	311.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse grained blebby-streaky sulphides. Intermittent biotite felsic gneiss. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	20	0	1 to 2	<1
311.5	313.0	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Quartz pegmatite with coarse blebby sulphides at upper contact. Abundant quartz spider veinlets with sericitic or potassic alteration halos.	5	0	tr to <1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
313.0	329.6	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Intermittent felsic gneiss (S) sections. Localized potassic alteration, quartz pegmatites, and quartz spider veinlets with sericitic and/or potassic alteration halos.	10	0	tr to <1	tr
329.6	332.0	UMLAMP Dike	Dark Grey	Very Fine-fine grained	Massive	Pervasive quartz spider veinlets with sericitic alteration near lower contact.	0	0	tr	tr
332.0	335.9	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Weakly Foliated	Localized felsic pegmatites, some with coarse grained blebby sulphides. Localized veinlets of sericitic alteration.	5	0	tr to <1	tr
335.9	336.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
336.9	339.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Unit becomes medium grained at 338.4m. Localized quartz pegmatite. Localized quartz spider veinlets with sericitic alteration halos.	15	0	1	tr
339.1	340.4	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets, some with potassic alteration halos.	30	0	1	tr
340.4	341.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	Localized quartz spider veinlets.	10	0	<1 to 1	tr
341.9	347.6	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Localized sections with bundles of fine grained silimanite. Abundant quartz spider veinlets, some with potassic alteration halos.	5 to 10		<1	tr
347.6	349.0	Altered Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Pervasive siliceous alteration. Abundant quartz spider veinlets.	2 to 3	0	<1	tr
349.0	350.4	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized coarse grained sections.	30	0	1	tr to <1
350.4	354.4	Garnet Biotite Felsic Gneiss	Black and grey	Fine Grained	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	30	<1	1 to 2	<1
354.4	357.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Fine grained garnet biotite felsic gneiss at 355.5-356.0m. Localized quartz spider veinlets with sericitic alteration halos.	15	<1 to 1	<1 to 1	tr to <1
357.2	360.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Fine grained garnet biotite felsic gneiss with streaky sulphides at 358.4-358.8m. Chlorite altered biotite felsic gneiss at 359.3-359.4m. Medium-coarse grained pyrite vein at 360.0m. Localized quartz pegmatites with coarse grained sulphides. Abundant quartz spider veinlets with sericitic alteration halos.	20	1	1	tr to <1
360.3	363.2	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Localized medium-coarse grained blebby-streaky sulphides. Localized quartz spider veinlets. Increased sulphides associated with chlorite.	20	0	1	<1 to 1
363.2	367.1	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly Foliated	Intermixed amphibolite with fine-medium grained blebby sulphides. Localized quartz pegmatites with coarse grained sulphides. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr to <1
367.1	371.1	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Felsic gneiss (S) at 369.4-369.7m. Localized quartz pegmatites with coarse blebby sulphides at margins. Localized quartz spider veinlets.	15	0	<1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
371.1	372.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized quartz spider veinlets with sericitic alteration halos.	20	0	<1	tr
372.1	375.1	Amphibolite	Grey and Green	Medium-coarse	Moderately Well Foliated	Localized medium-coarse blebby sulphides. Localized 1-2 cm thick quartz veins. Localized quartz spider veinlets with sericitic alteration halos.	5 to 10	0	<1 to 1	1
375.1	380.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized medium grained disseminated pyrite. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	tr to <1	<1 to 1	tr
380.4	384.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Intermittent sections of altered garnet biotite felsic gneiss. Intermittent sections containing fine grained sillimanite crystals. Localized quartz pegmatites. Localized quartz spider veinlets.	10	1 to 2	<1 to 1	<1
384.4	394.9	Biotite Felsic Gneiss	Variable Grey	Fine-medium grained	Banded	Intermittent sections of medium-coarse grained biotite felsic gneiss. Intermittent sections of potassic alteration near top of unit. Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites. Abundant quartz spider veinlets, some with sericitic and/or potassic alteration halos.	30	0	<1 to 1	<1 to 1
394.9	401.8	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Banded	Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites. Abundant quartz spider veinlets.	5	0	<1 to 1	tr to <1
401.8	404.6	Felsic Gneiss (S)	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Intermittent medium-coarse grained garnet biotite felsic gneiss with 2-3% medium-coarse grained blebby sulphides. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	25	1 to 2	<1 to 1	1
404.6	406.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermittent fine-medium grained felsic gneiss (S). Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites and quartz spider veinlets with sericitic alteration halos.	30	1	<1 to 1	tr to <1
406.2	408.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Intermittent sections of fine grained garnet biotite felsic gneiss. Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites and quartz spider veinlets.	10	<1 to 1	<1 to 1	<1
408.9	412.3	Amphibolite	Black	Fine Grained	Moderately Well Foliated	Localized coarse blebby sulphides. More abundant sulphides near top and bottom contacts of unit. Localized quartz spider veinlets.	5	0	<1	1
412.3	416.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Intermittent sections of amphibolite. Sulphides are mostly associated with amphibolite. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
416.2	419.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Section of coarse grained felsic gneiss (G) at 416.7-417.4m. Localized quartz pegmatites with coarse grained blebby pyrrhotite.	10	0	tr to <1	tr to <1
419.0	420.0	Garnet Biotite Felsic Gneiss	Dark green, black and	Fine-medium	Moderately Well Foliated	Quartz pegmatite with medium-coarse grained blebby sulphides at 419.5m. Localized quartz spider veinlets with sericitic alteration halos.	30	2 to 3	<1	1
420.0	429.5	Amphibolite	Black and green	Fine-medium grained	Moderately well-well Foliated	Intermittent sections of medium-coarse grained amphibolite. Intermittent sections with coarse grained biotite porphyroblasts. Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets.	10	0	<1 to 1	tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
429.5	440.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Amphibolite at 431.8-432.5m. Coarse grained blebby sulphides at 432.9m. Localized quartz pegmatites. Localized quartz spider veinlets, some with sericitic and/or potassic alteration halos.	10	tr to <1	<1 to 1	tr
440.8	467.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well Foliated	Intermittent sections of medium grained felsic gneiss (S). Intermittent amphibolite at 445.3-445.6m, 458.5-459.4m, 462.2-462.5m, and 464.7-465.2m. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. Garnet biotite felsic gneiss at lower contact of unit.	10	0	tr	tr
467.5	472.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Section with coarse grained rounded quartz porphyroblasts at 468.0-468.4m. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	tr	tr
472.3	476.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Intermittent diorite sections. Quartz pegmatite at 475.3-475.9m. Abundant quartz spider veinlets with sericitic alteration halos.	5	0	tr	tr
476.7	482.4	Amphibolite	Dark\Light green and	Fine-medium	Banded	Localized sections of coarse grained amphibolite. Abundant quartz spider veinlets.	2	3 to 4	tr	<1
482.4	483.3	UM\LAMP Dike	Black	Fine Grained	Massive	Localized quartz spider veinlets.	0	0	tr	tr
483.3	485.9	Altered Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately well-well	Garnet biotite felsic gneiss at 483.3-483.4m. Amphibolite at 485.1-485.3m. Pervasive siliceous alteration. Pervasive quartz spider veinlets with sericitic alteration halos.	2 to 3	2 to 3	tr	tr
485.9	495.8	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Localized sections with 3-4% fine-medium grained streaky pyrrhotite and medium-coarse grained blebby pyrrhotite. Localized coarse blebby pyrrhotite. Variations in garnet grain size and percentage ranging from medium to very coarse grained and from <1% to 40%. Abundant quartz spider veinlets.	1 to 2	10	tr	<1 to 1
495.8	497.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr	tr
497.7	500.0	Amphibolite	Dark\Light green and	Fine Grained	Weakly Foliated	Localized coarser grained blebby pyrrhotite. Abundant quartz spider veinlets. EOH	0	5	tr	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 440	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 24-May-12	Date Completed 27-May-12	Date Logged May 24- 28, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331232
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303585
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden				
3.0	20.0	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly Foliated	Pyrite localized within 30cm of lower contact and with subangular felsic gneiss clots(<10cm), very blocky between 14-17m, biotite and amphibole increase downhole, 1-2% potassic and 2-3% chloritic alteration	25 to 30	0	Tr	0
20.0	23.6	Felsic Gneiss (S)	Grey, white, and pink	Fine- medium	Weakly Foliated	Coarse subrounded quartz grains(3%) increasing downhole, local biotite zones(<5cm) with increased pyrite mineralization, 3-5% potassic alteration	5 to 7	0	<1 to 1	0
23.6	24.3	UMLAMP Dike	Green	Fine Grained	Dike	Altered(oxidization) dike with non-discernable groundmass, alters under/overlying unit within 1m of contacts	0	0	Tr	0
24.3	33.3	Felsic Gneiss (S)	Grey	Fine- medium	Weakly Foliated	Similar to 20.0-23.6m interval, pyrite increases downhole, 1-2% sericitc and potassic alteration	3 to 5	0	1	0
33.3	36.9	Diorite	Grey and white	Medium Grained	Weakly Foliated	Quartz/plagioclase crystals vary from medium-coarse, 1-2% sericitic alteratoon	20 to 25	0	Tr	0
36.9	61.0	Felsic Gneiss (S)	Grey	Fine- medium	Weakly Foliated	Similar to 20.0-26.6m interval with 5-7% medium/coarse subrounded quartz, carbonate replacement in thin veinlets(<2mm), 1-2% sericitic and potassic alteration	3 to 5	0	<1 to 1	0
61.0	64.9	Amphibolite	Dark Green	Fine Grained	Weakly Foliated	Pyrite localized to with 1m of contacts, 2-3% chloritic alteration	15 to 20	0	Tr	0
64.9	68.0	Felsic Gneiss (S)	Grey	Fine- medium	Weakly Foliated	2-3% sericitic alteration	5 to 7	0	<1 to 1	Tr
68.0	70.5	Amphibolite	Dark Green	Fine Grained	Weakly- moderately	Similar to 61.0-64.9m interval	15 to 20	0	Tr	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
70.5	102.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Similar to 20.0-23.6m interval, local finer grained zones(<2m) with increased pyrite mineralization, quartz veins/fragments(<3cm) with fine grained clotty pyrite, 2-3% sericitic and 1-2% potassic alteration	3 to 5	0	<1 to 1	Tr
102.6	137.3	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately well foliated	Potassic altered felsic gneiss clots and bands(<20cm) with trace pyrite, pyrite mineralization increased at contacts, 123.0-126.2m interval is 60-70% potassic altered, carbonate spider veinlets(1%), 3-5% chloritic and 7-10%(overall) potassic alteration	15 to 20	0	Tr	0
137.3	147.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Moderately blocky, pyrite increases downhole, 15-20% potassic and 3-5% sericitic alteration	3 to 5	0	<1 to 1	0
147.9	149.4	Felsic Gneiss (S)	Dark green, grey and pink	Fine-medium	Moderately Well Foliated	Felsic gneiss similar to overlying interlayered with clotty amphibolite(10-100cm), carbonate spider veinlets(1%), 7-10% potassic alteration in both rock types	3 to 5	0	<1 to 1	0
149.4	162.5	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Amphibole banding(<2cm), various UM/LAMP dike intrusions(<30cm) with trace pyrite, moderately blocky, 2-3% sericitic and potassic alteration	5 to 7	0	1	0
162.5	169.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 20.0-23.6m interval with amphibole banding(<2cm), 3-5% potassic and 1-2% sericitic alteration	5 to 7	0	1 to 2	0
169.8	173.0	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	2-3% chloritic alteration	15 to 20	0	Tr	0
173.0	175.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 20.0-23.6m interval, 40cm clotty-felsic gneiss amphibolite interval at 174.5m with trace pyrite, 2-3% potassic alteration	5 to 7	0	<1 to 1	0
175.5	180.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Pyrite veinlets(<3mm), 1-2% epidote, 2-3% chloritic alteration	10 to 15	0	2 to 3	Tr
180.2	190.6	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Amphibole banding(<2cm) increasing downhole, 50cm UM/LAMP with trace sulphides at 184.1m, moderately blocky, 1-2% sericitic alteration	5 to 7	0	1 to 2	Tr
190.6	195.0	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Interlayered with overlying sedimentary gneiss, local biotite zones(<5cm) with 1% pyrrhotite, 2-3% chloritic alteration	10 to 15	0	1 to 2	Tr
195.0	199.5	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Local biotite bands(<1cm) with increased pyrite mineralization, amphibole banding, 50cm quartz vein with <1% clotty pyrite, 1-2% sericitic alteration	7 to 10	0	<1 to 1	0
199.5	206.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermixed with diorite, biotite banding(<1cm) with increased pyrite, carbonate replacement in groundmass within 2m of lower contact, 2-3% sericitic and potassic alteration	7 to 10	0	<1	Tr
206.4	209.7	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Moderately well-well	Grain size decreases downhole, carbonate replacement in groundmass, veinlets and felsic gneiss clots, pyrite increases downhole, 2-3% potassic alteration	20 to 25	0	Tr	0
209.7	217.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Interlayers(<30cm) of underlying sedimentary felsic gneiss, 1-2% epidote, fine grained clotty pyrite within quartz veins(<1%)	5 to 7	0	1 to 2	Tr
217.4	224.2	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately well-well	Sulphide mineralization increases downhole, 40cm medium grained diorite at 219.3m with <1% sulphides, 2-3% sericitic alteration	7 to 10	0	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
224.2	235.6	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Similar to 209.7-217.9m with pyrite decreasing downhole, 60cm fine-medium diorite with <1% sulphides at 233.3m, 1-2% chloritic alteration	5 to 7	0	1	<1 to 1
235.6	248.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Amphibole banding(<2cm) and intermixing with increased pyrite throughout, 3-5% sericitic alteration	7 to 10	0	1 to 2	<1
248.2	249.2	Diorite	Grey and white	Medium Grained	Moderately Well Foliated	1-2% seritic alteration	20 to 25	0	<1	0
249.2	252.6	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Intermixing unit similar to 235.6-249.2m with increased sulphides and amphibole, 1-2% chloritic alteration	7 to 10	0	<1 to 1	<1 to 1
252.6	255.8	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Sedimentary gneiss interlayers(<30cm) with <1% sulphides, pyrrhotite increases downhole	5 to 7	0	1	1
255.8	258.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Notable interlayer within amphibole gneiss with biotite banding(<1cm) with increased sulphides, 40cm white quartz vein with 1% sulphide clots at 256.9m, 2-3% sericitic alteration	7 to 10	0	<1 to 1	<1
258.7	260.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Similar to 252.6-258.8m interval	5 to 7	0	1 to 2	<1
260.2	266.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Amphibole increases downhole, 1-2% potassic alteration	10 to 15	0	<1	<1
266.9	267.9	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	2-3% potassic alteration	10 to 15	0	<1	Tr
267.9	292.9	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately well-well Foliated	Local thin biotite bands(<0.5cm), pegmatite intrusions(<10cm) with trace sulphides throughout, 50cm amphibole gneiss similar to overlying at 273.0m, 2-3% potassic and sericitic alteration	7 to 10	0	<1	<1
292.9	299.5	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Clotty fine grained sulphides(1%) with quartz veins(<3cm), trace chalcopyrite	5 to 7	0	1 to 2	1 to 2
299.5	302.6	Diorite	Grey and white	Fine-medium	Weakly-moderately	Carbonate replacement veinlets(1%)	15 to 20		<1	Tr
302.6	311.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite bands(<1cn) and zones(<10cm) with increased sulphides, amphibole increases downhole, 2-3% sericitic alteration	10 to 15	0	<1 to 1	<1 to 1
311.3	319.6	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Similar to 292.9-299.5m interval with increased sulphides, 2-3% chloritic alteration	5 to 7	0	1 to 2	2 to 3
319.6	322.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with diorite, 3-5% sericitic and potassic alteration	7 to 10	0	<1 to 1	Tr
322.6	325.9	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Intermixed with coarse pegmatite in upper 2m and diorite in lower 1.5m	30 to 35	Tr	1	<1
325.9	337.6	Felsic Gneiss (G)	Light Grey	Medium Grained	Moderately well-well	Local biotite bands (<2cm) with increased sulphide and garnet mineralization, 1-2% muscovite, 3-5% potassic alteration	7 to 10	<1 to 1	<1 to 1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
337.6	342.4	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Sulphides decrease downhole, garnets vary from fine-coarse grained, grain size coarsens towards contacts, 2-3% chloritic alteration	60 to 65	5 to 7	1 to 2	1 to 2
342.4	346.3	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Sillimanite mineralization in upper 1m, sulphides increase downhole	7 to 10	Tr	<1	<1
346.3	347.4	Garnet Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Blue alteration banding(1-2%), quartz vein(10cm) with 1% fine grained clotty sulphides	60 to 65	5 to 7	<1 to 1	<1
347.4	350.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Similar to 324.4-346.3m interval, 40cm diorite at 348.6m with 1% sulphides	7 to 10	Tr	<1	<1
350.2	364.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately well-well Foliated	Interlayered(0.3-1.5m) with sedimentary gneiss(similar to overlying) and biotite gneiss with 1-2% sulphides, trace galena, amphibole mineralization in 356.0-357.0m interval in quartz veins with clotty sulphides, 1-2% sericite alteration,	60 to 65	5 to 7	2 to 3	1 to 2
364.1	373.5	Biotite Felsic Gneiss	Grey	Fine-medium grained	Moderately well-well Foliated	Biotite decreases and amphibole increases downhole, local biotite zones(<5cm) with garnet and increased sulphide mineralization, 50cm medium grained diorite at 370m with <1% sulphides, 1-2% chloritic alteration	30 to 35	<1 to 1	1 to 2	1 to 2
373.5	375.4	Diorite	Grey and white	Fine-medium	Weakly Foliated	1-2% sericitic alteration	15 to 20	0	<1	<1
375.4	392.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with diorite, grain size increases downhole, biotite and amphibole banding(<2cm) with increased sulphides, 2-3% sericitic alteration	10 to 15	0	<1 to 1	<1 to 1
392.8	394.0	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	2-3% chloritic alteration	7 to 10	0	<1	<1
394.0	398.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite decreases downhole, 1-2% sericitic alteration	7 to 10	3	<1	<1
398.6	408.9	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed with sedimentary gneiss, garnet mineralization in amphibole gneiss increasing downhole, 1-2% sericitic alteration	3 to 5	<1 to 1	<1	<1
408.9	414.5	Amphibolite	Dark\Light green and	Fine-medium	Weakly-moderately	Footwall amphibolite, 80cm diorite at 409.6m with trace sulphides, 3-5% chloritic alteration	1 to 2	5 to 7	<1	<1 to 1
414.5	421.6	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Massive patches of pyrrhotite(up to 40cm) with chlorite altered amphibole throughout, barren coarse pegmatite(1.5m) at 416.1m, 2-3% sericitic and 3-5% chloritic alteration	3 to 5	Tr	<1	2 to 3
421.6	440.0	Amphibolite	Dark\Light green and pink	Fine-medium grained	Moderately Well Foliated	Footwall amphibolite similar to 408.9-414.5m, trace chalcopyrite, fine grained sulphide barren sedimentary gneiss(1m) at lower contact, 2-3% sericitic and 3-5% chloritic alteration. End of Hole.	3 to 5	7 to 10	Tr	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 503	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 28-May-12	Date Completed 01-Jun-12	Date Logged May 28-Jun 1, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331232
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303585
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing				Overburden				
3.0	11.3	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Weakly Foliated	Pyrite mineralization within 1m if lower contact, moderately blocky core and muddy, 1% carbonate spider veinlets	20 to 25	0	Tr	0
11.3	24.2	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Pyrite increases downhole, <1-1% fine grained clotty pyrite within quartz veins(<10cm), 3-5% potassic alteration within 2m of lower contact, 1-2% sericitic alteration	3 to 5	0	1	0
24.2	25.0	UMLAMP Dike	Green, black and pink	Fine-medium	Dike	Altered and undiscernable groundmass, alters under/overlying unit within 50cm of contacts	0	0	0	0
25.0	39.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Similar to 11.3 to 24.2m interval, 1-2% sericitic alteration	3 to 5	0	<1 to 1	0
39.3	40.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Weakly-moderately	1-2% chloritic alteration	3 to 5	0	Tr	0
40.4	44.0	Diorite	Grey and white	Medium Grained	Weakly Foliated	Sedimentary gneiss in lower 1m, 2-3% sericitic alteration	15 to 20	0	<1	0
44.0	45.9	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Weakly-moderately	Similar to 39.3-40.4m interval	3 to 5	0	Tr	0
45.9	67.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Biotite increases downhole, medium coarse subrounded quartz crystals(2-3%), 1-2% sericitic alteration	5 to 7	0	1 to 2	0
67.3	76.2	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Similar groundmass to overlying with fine grained mineralization, 1-2% sericitic alteration	5 to 7	0	1 to 2	Tr
76.2	110.8	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar groundmass to 45.3-67.3m interval, pyrite increases downhole, 2-3% sericitic alteration	5 to 7	0	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
110.8	125.0	Diabase Dike	Black	Fine-medium	Dike	Local variations in grain size, no visible sulphide mineralization, 1-2% carbonate veining, 1-2% sericitic alteration	Tr	0	Tr	0
125.0	127.3	Altered Diabase Dike	Pink	Fine-medium	Dike	Carbonate alteration veins(5-7%), brecciated undiscernable groundmass, alters under/overlying unit within 3m of contacts, potassic(80%) alteration	Tr	0	Tr	0
127.3	246.3	Diabase Dike	Black	Fine-medium	Dike	Similar to 110.8-125.0m interval, <10 cm UM/LAMP sulphide barren dike intrusions throughout , lower contact partially lost in blocky core	Tr	0	Tr	0
246.3	249.0	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	2-3% sericitic alteration	7 to 10	0	1 to 2	<1
249.0	268.1	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Intermixed with amphibole gneiss decreasing downhole, 1-2% epidote, 3-5% sericitic and 1-2% potassic alteration,	7 to 10	0	<1	Tr
268.1	269.1	Diorite	Grey and white	Fine-medium	Weakly-moderately	5cm UM/LAMP dike at 269.2m, 3-5% potassic alteration	15 to 20	0	Tr	0
269.1	270.8	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Intermixed with sedimentary gneiss, 2-3% chloritic alteration	7 to 10	0	1 to 2	Tr
270.8	277.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite increases and unit becomes less altered downhole, 3-5% sericitic and 1-2% potassic alteration	7 to 10	0	<1	<1
277.1	280.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Carbonate spider veinlets(1%) and 2-3% chloritic alteration	3 to 5	0	<1 to 1	Tr
280.3	285.6	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly Foliated	3-5% sericitic and 1-2% potassic alteration	5 to 7	0	<1	<1
285.6	288.1	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Carbonate spider veinlets(1%), overlying sedimentary gneiss interlayers(<20cm), 1-2% potassic alteration	7 to 10	0	Tr	Tr
288.1	292.0	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed with overlying amphibole gneiss, 1-2% epidote, 3-5% sericitic and potassic alteration	5 to 7	0	<1	Tr
292.0	302.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Unit grades to a granitic gneiss towards lower contact, bottom 3m has 1-2% fine-medium brownish pink blebby transparent-translucent mineral(possibly scheelite) in granitic gneiss zone with pegmatite intermixing, 3-5% potassic alteration	5 to 7	0	<1	<1
302.9	303.9	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Similar to 285.6-288.1m interval	10 to 15	0	Tr	Tr
303.9	313.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	<1% similar brownish pink mineral in overlying sedimentary gneiss in upper 2m, local biotite bands(<2cm) with increased sulphide mineralization, 1-2% sericitic and potassic alteration	7 to 10	0	<1	<1
313.4	315.9	Diorite	Grey and white	Fine-medium	Weakly Foliated	1-2% sericitic alteration	10 to 15	0	Tr	Tr
315.9	320.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite increases downhole and degree of foliation increases, 1-2% sericitic alteration	7 to 10	<1 to 1	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
320.3	322.8	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Amphibole increases downhole, 1-2% chloritic alteration	3 to 5	0	<1 to 1	<1 to 1
322.8	324.6	Felsic Gneiss (S)	Grey and white	Coarse Grained	Moderately Well Foliated	Intermixed with medium-coarse pegmatite, biotite zones(<5cm) with increased sulphide mineralization, 1-2% sericitic alteration	10 to 15	0	<1	<1
324.6	326.1	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately well-well	Similar to 320.3-322.8m interval	5 to 7	0	<1 to 1	<1 to 1
326.1	331.0	Diorite	Grey and white	Fine-medium	Moderately well-well	Sedimentary gneiss intermixing within 1m of upper/lower contacts, 1-2% sericitic alteration	20 to 25	0	Tr	Tr
331.0	334.7	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Sedimentary gneiss banding(<2cm), 2-3% chloritic alteration	5 to 7	0	<1	<1
334.7	340.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	1m barren greyish white pegmatite at 335.3m, amphibole gneiss interlayers with trace sulphide, 1-2% sericitic alteration	7 to 10	0	<1	<1
340.2	344.8	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Sulphides increase downhole, 3-5% chloritic alteration	3 to 5	0	<1	<1 to 1
344.8	353.3	Felsic Gneiss (G)	Grey	Fine-medium	Moderately well-well	Local biotite bands(<2cm) with increased sulphide mineralization, 1-2% sericitic alteration	20 to 25	<1	<1 to 1	<1 to 1
353.3	354.1	Diorite	Grey and white	Fine-medium	Weakly-moderately	Sulphide mineralization increased within 20cm of contacts	20 to 25	0	<1	Tr
354.1	359.8	Felsic Gneiss (G)	Light Grey	Medium Grained	Weakly-moderately	Intermixed with coarse pegmatite, biotite and sulphide mineralization increase downhole, 2-3% sericitic alteration	7 to 10	<1	1 to 2	1 to 2
359.8	363.2	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Intermixed with overlying granitic gneiss, grain size decreases downhole, 3-5% sericitic alteration	60 to 65	5 to 7	2 to 3	1 to 2
363.2	364.9	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Sedimentary gneiss bands(<2cm), 1-2% potassic and 2-3% chloritic alteration	3 to 5	0	Tr	Tr
364.9	367.2	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Coarse 1m pegmatite at 366.2m with <1% sulphides and clotty fine grained sulphides at contact, 1-2% muscovitem 1-2% potassic alteration	30 to 35	Tr	<1 to 1	<1 to 1
367.2	373.2	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Similar to 359.8-363.2m interval, 1m coarse pegmatite at 368.8m with trace sulphides, 1-2% sericitic alteration	60 to 65	5 to 7	2 to 3	1 to 2
373.2	379.5	Biotite Felsic Gneiss	Grey	Fine Grained	Moderately well-well	Upper 1.5m more granitic with 10-15% biotite and 1-2% sulphides, amphibole banding(<3cm), <10cm coarse pegmatite intrusions throughout with trace sulphides	30 to 35	<1 to 1	1 to 2	1 to 2
379.5	381.0	Diorite	Grey and white	Fine-medium	Weakly-moderately	Similar to 353.3-354.1m interval	15 to 20	0	Tr	Tr
381.0	389.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Amphibole banding(<3cm) with 1-2% chloritic alteration, biotite banding(<2cm) with increased sulphides, biotite decreases downhole, 2-3% sericitic alteration	10 to 15	Tr	1 to 2	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
389.2	392.3	Diorite	Grey and white	Fine-medium	Weakly Foliated	Carbonate replacement veinlets(<2mm) <1%, subangular quartz/plagioclase crystals	15 to 20	0	<1	Tr
392.3	398.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Similar to 381.0-389.2m interval	10 to 15	0	1 to 2	<1 to 1
398.5	401.5	Pegmatite	Grey and white	Coarse-very coarse	Massive	Intermixed with sedimentary gneiss in lower 1m	2 to 3	0	<1	Tr
401.5	403.0	UM\LAMP Dike	Black and white	Fine-medium	Dike	Alters under/overlying unit within 1.5m of upper/lower contacts	5 to 7	0	0	0
403.0	415.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	Intermixed with diorite, amphibole banding(<1cm) and zones(<20cm) with increased pyrrhotite mineralization, 5-7% sericitic alteration	10 to 15	0	<1	<1
415.2	422.5	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Interlayered with sedimentary gneiss(<15cm), 3-5% chloritic and 1-2% sericitic alteration	7 to 10	3 to 5	<1	<1
422.5	433.1	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Garnet increases downhole, 1m diorite interval at 428.2m with trace sulphides	2 to 3	5 to 7	Tr	<1
433.1	442.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayers(<5cm) with <1-1% sulphides, 3-5% chlorite and 1-2% sericitic alteration	7 to 10	<1	<1	<1
442.7	446.4	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Fine grained amphibole banding(<7cm) with trace sulphides, 3-5% sericitic alteration	10 to 15	<1	Tr	Tr
446.4	455.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium grained	Moderately Well Foliated	Trace chalcopyrite found with pyrrhotite clots, sedimentary gneiss interlayering(<30cm) increasing downhole with trace sulphides, footwall amphibolite interlayering(<30cm) within 2m of upper contact, 1% carbonate replacement veinlets, 1-2% sericitic and 2	10 to 15	<1	Tr	<1 to 1
455.4	462.1	Clotty Felsic gneiss Amphibolite	Grey and Green	Medium Grained	Moderately Well Foliated	Trace chalcopyrite within pyrrhotite clots, sulphides decrease downhole, <1% subangular felsic gneiss clots, 2-3% chloritic alteration	20 to 25	0	Tr	<1 to 1
462.1	474.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with diorite increasing downhole, amphibole mineralization throughout groundmass, 3-5% sericitic alteration	7 to 10	0	Tr	<1
474.1	477.2	Diorite	Grey	Fine-medium	Weakly-moderately	Intermixed with sedimentary gneiss, 90cm diabase dike at 475.7m with increased sulphides at contacts(<1%), 1-2% sericitic alteration	5 to 7	0	Tr	Tr
477.2	496.4	Diabase Dike	Dark Grey	Fine-medium	Dike	Very fine-fine grained at contacts(<1m), sulphide mineralization at contacts, 1% carbonate replacement veins(<1cm), 1-2% sericitic alteration	Tr	0	Tr	Tr
496.4	503.0	Amphibolite	Dark\Light green and pink	Fine-medium grained	Weakly-moderately well foliated	Footwall amphibolite with trace chalcopyrite, garnets vary from fine-coarse grained, 30cm barren diorite at 499.0m, sulphides decrease downhole, 5-7% chloritic and 2-3% sericitic alteration. End of Hole.	<1	5 to 7	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 365	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 28-May-12	Date Completed 31-May-12	Date Logged May 28-31 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329521
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304081
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	22.9	Casing								
22.9	27.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pervasive quartz spider veinlets with sericitic and/or potassic alteration halos.	10	0	1	tr
27.2	29.3	UMLAMP Dike	Black	Fine-medium	Massive	Localized quartz spider veinlets.	0	0	tr	tr
29.3	45.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse grains blebby pyrite. Localized quartz spider veinlets with sericitic alteration halos.	10	0	1	tr
45.3	59.4	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby sulphides. Localized quartz spider veinlets. Vuggy sections at 54.9m and 56.9m. 1cm thick quartz vein at 59.3m.	5	0	<1	<1
59.4	63.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Coarse grained blebby pyrite within quartz spider veinlet at 61.3m. Biotite felsic gneiss at 62.4-62.6m. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
63.7	64.8	Amphibolite	Dark Green	Fine Grained	Weakly Foliated	Localized coarse grained patchy amphibole. Localized quartz spider veinlets.	5	0	tr to <1	tr
64.8	74.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby sulphides. Localized quartz pegmaties. Localized vuggy sections. Localized quartz spider veinlets with sericitic alterations.	15	0	<1	tr
74.6	83.3	Felsic Gneiss (G)	Grey	Medium Grained	Massive-weakly	Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	5	0	tr	tr
83.3	115.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Section of fine grained felsic gneiss (S) at 103.0-104.8m. Localized coarse grained blebby pyrite. Coarse grained biotite at upper contact of unit. Localized quartz veins, 1 to 20 cm thick. Localized quartz spider veinlets with sericitic alteration halos. Localized sections with pervasive quartz spider veinlets with sericitic alteration halos. Localized vuggy sections with epidote.	10	0	<1 to 1	tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
115.6	127.9	Felsic Gneiss (G)	Grey	Fine-medium grained	Weakly-moderately well foliated	Intermittent sections of felsic gneiss (S). Intermittent sections with 15% coarse grained muscovite. Localized coarse grained blebby pyrite. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos. Localized vuggy sections.	5	0	<1	tr
127.9	131.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized quartz pegmatites with coarse grained blebby pyrite at margins. Abundant vuggy sections with epidote crystals. Localized quartz spider veinlets with sericitic alteration halos.	10	0	1	tr
131.9	142.3	Felsic Gneiss (G)	Grey	Medium-coarse	Massive-weakly	Localized coarse grained blebby pyrite. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic and/or potassic alteration halos. Localized vuggy sections.	5 to 10	0	<1	tr
142.3	143.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Abundant quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
143.3	151.4	Diorite	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites. Localized vuggy section with epidote crystals. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
151.4	170.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized quartz pegmatite with medium-coarse grained blebby sulphides at margins. Localized vuggy sections with epidote. Abundant quartz spider veinlets with sericitic alteration halos. Intermittent biotite felsic gneiss at 169.3-170.1m.	10	0	<1	tr
170.4	176.2	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Localized sections of silicious alteration. Localized quartz spider veinlets.	5	0	<1	<1
176.2	186.6	Felsic Gneiss (G)	Grey	Fine-medium	Weakly Foliated	Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites and quartz spider veinlets.	5	0	<1 to 1	tr
186.6	190.8	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby sulphides. Silicious alteration near top of unit. Localized quartz spider veinlets.	30	0	<1 to 1	<1
190.8	193.4	Amphibolite	Dark Green	Fine Grained	Weakly-moderately well foliated	Localized medium-coarse grained blebby sulphides. Localized medium grained blebby sulphides within quartz spider veinlets. Unit becomes coarser grained near lower contact. Abundant quartz spider veinlets.	5	0	1	<1
193.4	195.2	Diabase Dike	Black	Fine Grained	Massive	Breccia and sericitic alteration section at 194.6m. Abundant quartz spider veinlets.	0	0	tr	tr
195.2	196.9	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Localized medium coarse grained blebby sulphides. Abundant quartz spider veinlets with sericitic alteration halos.	5	0	<1 to 1	<1 to 1
196.9	205.4	Altered Garnet Biotite Felsic Gneiss	Dark green, black and pink	Fine-medium grained	Moderately Well Foliated	Localized Medium-coarse grained blebby-streaky sulphides. Localized sections of 3-4% sulphide. Intermittent felsic gneiss (S). Localized quartz pegmatites. Localized quartz spider veinlets.	30 to 40	<1	1 to 2	1
205.4	213.3	Diorite	Grey, white, and pink	Fine-medium grained	Massive-weakly foliated	Localized quartz veins <30 cm thick with potassic alteration halos. Abundant quartz spider spider veinlets with sericitic and potassic alteration halos. Localized potassic alteration of feldspar phenocrysts.	15	0	tr to <1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
213.3	224.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately well-well Foliated	Abundant medium-coarse grained blebby-streaky sulphides. Intermittent felsic gneiss (S). Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	30	1	1 to 2	<1 to 1
224.0	229.4	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Intermittent felsic gneiss (S). Localized coarse grained blebby sulphides. Localized quartz veins <35 cm thick. Localized quartz spider veinlets.	5	<1	tr to <1	<1
229.4	231.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately well-well	Localized quartz pegmatite. Localized quartz spider veinlets.	30	2	1	tr
231.3	233.8	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Intermittent felsic gneiss (S). Most sulphides concentrated at 232.3m. Localized quartz pegmatites. Localized quartz spider veinlets.	5	0	tr to <1	tr to <1
233.8	235.3	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized medium-coarse grained blebby pyrite. Abundant quartz spider veinlets.	30	<1	<1 to 1	tr
235.3	236.8	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Intermittent sections of potassic alteration.	5	0	<1	tr
236.8	238.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized felsic pegmatites.	30	2	<1	tr
238.0	239.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	<1	<1	tr
239.7	244.5	Biotite Felsic Gneiss	Black and grey	Fine-medium grained	Moderately well-well Foliated	Intermittent sections with 40% coarse grained biotite. Intermittent felsic gneiss (S). Localized vuggy section and quartz pegmatites. Abundant quartz spider veinlets, some with sericitic alteration halos.	30	0	<1	tr
244.5	246.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Pervasive sericitic alteration at 244.5-244.9m. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	15	<1	<1	tr to <1
246.1	249.0	Felsic Gneiss (G)	Grey	Medium-coarse	Moderately well-well	Localized quartz pegmatites and quartz spider veinlets.	5	<1	tr to <1	<1
249.0	254.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately well-well	Intermittent sections of felsic gneiss (G) containing muscovite crystals and trace sulphides. Localized coarse grained blebby sulphides. Localized felsic pegmatites.	30	2	1	<1
254.2	257.8	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Intermittent felsic gneiss (S) containing majority of pyrite. <20 cm thick quartz vein containing pyrrhotite.	3 to 5	<1	<1	tr to <1
257.8	265.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized coarse grained blebby pyrite. Localized quartz pegmatites.	20	<1	2	tr to <1
265.1	273.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized coarse grained blebby sulphides. Localized felsic pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	15	0	1	tr
273.4	274.6	Felsic Gneiss (G)	Grey	Medium Grained	Moderately well-well	Localized quartz pegmatites.	10	0	<1	tr
274.6	280.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Abundant quartz spider veinlets with sericitic alterations.	10	0	<1	tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
280.5	308.3	Diorite	Grey	Medium-coarse grained	Weakly-moderately well foliated	Localized medium-coarse grained blebby pyrite. Localized intermittent sections of felsic gneiss (S). Felsic pegmatite at 296.0-296.2m. Localized quartz pegmatites. Abundant quartz spider veinlets, some with sericitic and/or potassic alteration halos.	15	0	<1 to 1	tr
308.3	326.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Intermittent diorite throughout unit. Intermittent biotite felsic gneiss with 1% sulphides. Localized medium-coarse grained blebby sulphides. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
326.7	327.8	Altered Biotite Felsic Gneiss	White, green and grey	Medium Grained	Moderately Well Foliated	Abundant quartz spider veinlets.	5	0	tr to <1	tr to <1
327.8	335.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Quartz vein at 321.1-321.5m. Coarse grained blebby pyrrhotite and pyrite and medium grained blebby chalcopyrite within quartz vein. Localized felsic pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr to <1
335.0	342.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Intermittent amphibolite and biotite felsic gneiss containing 1-2% pyrrhotite at 340.0-340.2 and 340.6-341.1m. Intermittent felsic pegmatites in top 3m of unit. Localized medium-coarse grained blebby sulphides. Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	<1
342.8	346.0	Amphibolite	Dark\Light green and	Fine-medium	Banded	Localized steaky pyrrhotite. 1-2 cm thick quartz-carbonate vein at 243.7m. Localized quartz spider veinlets.	5	2	tr	<1
346.0	351.4	Diorite	Grey	Medium-coarse grained	Massive-weakly foliated	Intermittent amphibolite containing 1-2% pyrrhotite. Localized coarse grained blebby pyrrhotite in amphibolite sections. UMLAMP dike running sub-parallel to drill hole at 248.2-350.0m. Breccia with pervasive quartz-carbonate spider veinlets with sericitic alteration halos at 349.0-349.6m. Abundant quartz spider veinlets with sericitic alteration halos.	5	0	tr	<1
351.4	365.0	Amphibolite	Dark\Light green and pink	Fine-medium grained	Banded	Intermittent felsic gneiss (S) and biotite felsic gneiss near top contact. Localized coarse grained blebby pyrrhotite. Localized fine grained streaky pyrrhotite. Abundant quartz spider veinlets. <15 cm thick UMLAMP dike at 364.9m. EOH	10	3 to 4	tr	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 180	Total Depth (m) 711	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 30-May-12	Date Completed 09-Jun-12	Date Logged May 30-Jun 8, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 330095
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304269
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	14.4	Diabase Dike	Black	Fine Grained	Dike					
14.4	81.5	Felsic Gneiss (S)	Grey	Medium Grained	Weakly to moderately foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite interlayered with a medium grained granitic felsic gneiss (15% of unit) with 5% biotite and 3-5% muscovite. Presence of chloritic (15%) alteration. 17.9-18.1: massive white quartz vein. 19.3-19.9: moderate sericitic alteration. 71.8-72.4m: medium grained amphibole felsic gneiss. Quartz-carbonate fragments with chloritic alteration.	10 to 15	0	<1	Tr
81.5	86.8	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Vuggy texture (5%). Minor potassic alteration (2-3%).	10	0	Tr	Tr
86.8	92.8	Felsic Gneiss (S)	Grey	Fine Grained	Weakly Foliated	Presence of sericitic alteration haloes (2-3%), and quartz fragments (1%).	15	0	<1	Tr
92.8	103.8	Diabase Dike	Black	Fine Grained	Dike	Chloritic alteration (<2%) at the beginning of dike.				
103.8	126.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10% biotite, 15% sericitic alteration, potassium feldspar (decreasing downhole). Minor fine grained disseminated pyrite.	10	0	<1	Tr
126.9	129.4	Altered Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Intense sericitic alteration. Quartz fragments (2%).	5	0	<<1	Tr
129.4	149.0	Felsic Gneiss (G)	Grey	Medium-coarse	Moderately Well Foliated	Intermixed with sedimentary felsic gneiss (5%) with 10% biotite. Potassic alteration increases downhole. Local quartz veinlet at 131.3m.	10	0	<<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
149.0	149.6	UM\LAMP Dike	Dark Grey	Fine-medium	Dike					
149.6	150.1	K-Altered Felsic Gneiss (S)	Pink and Grey	Medium Grained	Moderately Well Foliated		5	0	Tr	Tr
150.1	150.6	UM\LAMP Dike	Grey	Fine Grained	Dike					
150.6	162.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Chloritic (5%) alteration and quartz fragments (2-3%).	15	0	<1	Tr
162.3	168.9	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Contains 2-3% quartz carbonate spider veinlets. 5-8% chloritic alteration. Sulphides are associated with chloritic alteration.	2 to 3	0	<1	<<1
168.9	171.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Minor sericitic alteration haloes (2%).	5 to 10	0	<<1	Tr
171.5	174.0	Altered Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly-moderately		25	0	<1	Tr
174.0	178.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		5 to 10	0	<<1	Tr
178.7	183.2	Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, fine to medium grained altered and silicified sedimentary felsic gneiss with 5-10% biotite and 3% chloritic alteration.	10	0	<<1	Tr
183.2	185.0	Diabase Dike	Black	Fine Grained	Dike					
185.0	196.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained amphibole felsic gneiss with 10% biotite.	15	0	<1	Tr
196.5	206.5	Diorite	Grey	Medium Grained	Weakly-moderately		10	0	<1	Tr
206.5	214.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	<1	Tr
214.7	215.5	Altered Diabase Dike	Dark Green and dark grey	Fine Grained	Dike					
215.5	219.0	Diorite	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	<1	Tr
219.0	224.9	Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Biotite (25%) rich amphibole felsic gneiss with spider quartz carbonate veinlets. Presence of chloritic (3-4%) alteration.	10	0	<1	Tr
224.9	237.4	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		5 to 10	0	<1	<<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
237.4	240.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Quartz carbonate spider veinlets (2-4%) and chloritic alteration (3%).	10	0	<<1	Tr
240.1	242.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	<<1	Tr
242.2	260.8	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Chloritic alteration (4-5%). Local quartz carbonate vein at 243.7m, with pyrite and pyrrhotite at margins.	15	0	<1	<<1
260.8	265.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Spider veinlets with sericitic alteration haloes (2-3%). Chloritic (4-5%) alteration.	10	0	<1	Tr
265.2	272.8	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss (5%).	10	0	1	<1
272.8	286.8	Diorite	Grey and white	Medium-coarse	Moderately Well Foliated	275.5-276.9: Fine to medium grained sedimentary felsic gneiss with 5-10% biotite and 15% potassic alteration.	10	0	<<1	Tr
286.8	298.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sericitic alteration haloes (2%) and chloritic alteration (8-10%).	15	0	<1	Tr
298.8	299.7	UMLAMP Dike	Dark Grey	Fine Grained	Dike					
299.7	309.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous. Quartz fragments with potassic and chloritic (2%).	5 to 10	0	<1	
309.9	312.4	Amphibolite	Dark Green	Fine-medium	Weakly Foliated		1 to 2	0	Tr	Tr
312.4	323.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10% biotite. Presence of sericitic (2%) and potassic (2-3%) alteration. 319.9-320.4m: medium grained diorite with potassic feldspar (2-3%).	10	0	<1	Tr
323.7	330.2	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Quartz carbonate spider veinlets with sericitic alteration haloes (<2%). Pyrite and pyrrhotite clots associated with quartz carbonate clasts and veinlets.	10	0	<1	<1
330.2	342.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local quartz veins and clasts. Sericitic (10%) and potassic (5%) alteration.	15 to 20	0	<1	<1
342.4	353.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 15% biotite. Presence of sericitic (8-10%) and potassic (5%) alteration haloes. Interlayered with a medium grained amphibole felsic gneiss (40%).	15	0	<1	Tr
353.2	362.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Dark Green, medium grained amphibole felsic gneiss with 15% biotite and >60% amphibole. Quartz carbonate clots and veinlets. 360.1-360.3: coarse grained pegmatite.	15	0	<<1	Tr
362.0	377.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Presence of sericitic alteration haloes (10%), quartz fragments and local quartz veins (5%).	5 to 10	0	<1	<<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
377.0	380.4	Amphibole Felsic Gneiss	Dark Green	Fine to medium	Moderately Well Foliated	Same as previous. 377.4-377.8m: chloritic altered biotite felsic gneiss with 35% medium grained biotite, and 25% chlorite	25 to 30	0	<<1	Tr
380.4	385.1	Altered Biotite Felsic Gneiss	Dark Grey and Dark	Medium Grained	Weakly Foliated	Quartz fragments with clotty pyrite and pyrrhotite at margins.	35	0	<1	1
385.1	390.9	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Same as previous.	20	0	<1	Tr
390.9	394.7	Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly Foliated		15 to 20	0	<1	Tr
394.7	403.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local zones of biotite felsic gneiss (5-10% of unit). Quartz fragments (4-5%) and chloritic (8-10%) alteration. Secondary folding of foliation.	20	5	1	1
403.5	417.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local white, barren quartz vein at 410.9m. Potassic alteration haloes throughout (5%).	25	0	<1	Tr
417.0	426.0	Felsic Gneiss (G)	Grey	Medium Grained	Weakly Foliated		15	0	<1	Tr
426.0	436.4	Altered Felsic Gneiss (S)	Grey	Medium Grained	Weakly to moderately	Grey, medium grained sericitic and potassically altered sedimentary felsic gneiss with 10% biotite. Alteration decreases downhole.	10	0	<<1	Tr
436.4	443.0	Clotty Felsic gneiss Amphibolite	Dark Green	Medium-coarse	Moderately Well Foliated		10 to 15	0	Tr	Tr
443.0	449.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite and local biotite rich zones. Medium grained disseminated pyrite associated with biotite rich zones.	15	0	<1	Tr
449.5	461.3	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly Foliated	Grey, medium to coarse grained granitic felsic gneiss with 15% biotite and 10% muscovite.	15	0	<1	Tr
461.3	462.4	Pegmatite	Grey, white, and pink	Coarse Grained	Massive	Coarse grained muscovite (<1%).	5	0	<<1	Tr
462.4	463.7	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss (10%).	15	0	<<1	Tr
463.7	470.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with intervals of a medium grained quartz feldspar porphyry (5%). 467.8-468m: barren quartz vein.	10 to 15	0	<1	Tr
470.1	473.2	UMLAMP Dike	Dark Grey	Medium Grained	Dike					
473.2	494.4	Felsic Gneiss (G)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium grained sedimentary felsic gneiss (10%) with 15% biotite. Minor sericitic (2%) and potassic (1%) alteration. Sulphides associated with zones of higher biotite content.	15	0	1	<<1
494.4	496.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly-moderately	Sericitic (3-4%) alteration haloes.	25	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
496.9	501.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Sub rounded quartz (10-15%) grains. Interval of potassic alteration (499.5-499.9m).	10 to 15	0	<1	Tr
501.6	505.4	Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly-moderately		25	0	<1	Tr
505.4	511.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sericitic alteration haloes (3-4%).	15 to 20	0	<1	Tr
511.3	517.6	Felsic Gneiss (S)	Light Grey-Grey	Medium Grained	Moderately Well Foliated	Zone of coarse grained muscovite (10% of unit). Minor sericitic alteration.	5 to 10	0	<1	Tr
517.6	521.6	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Intervals of medium grained garnet biotite felsic gneiss with 35-40% biotite and 10% garnet. Intervals make up 25% of unit. Minor fine grained blebby chalcopyrite (<<1%)	25	5 to 7%	<1	<<1
521.6	524.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Minor sericitic alteration (5-10%).	10 to 15	0	<1	Tr
524.8	527.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		20	0	<1	Tr
527.6	535.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Quartz fragments with fine to medium grained clotty pyrite and pyrrhotite at the margins. Intervals of quartz feldspar porphyry (527.6-528m and 532.6-533.1m). Presence of chloritic alteration (3-5%).	25 to 30	<1	1	<1
535.0	539.7	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Medium grained amphibole felsic gneiss with local garnet biotite felsic gneiss (8%). Intermixed with a medium grained biotite felsic gneiss (10%), sedimentary felsic gneiss (35%).	30 to 35	3 to 4	<1	<1
539.7	552.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium to coarse grained granitic felsic gneiss with 15% coarse grained muscovite. Local zones of garnet biotite felsic gneiss (15%).	25	<2	<1	<1
552.4	556.1	Felsic Gneiss (S)	Grey and dark green	Medium Grained	Moderately Well Foliated		15 to 20		<1	<<1
556.1	569.7	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Dark grey, medium grained biotite felsic gneiss with 35% biotite and intermixed with a medium to coarse grained granitic felsic gneiss (25% of unit, 20% biotite and 10% muscovite). Local zones of garnet biotite felsic gneiss (10-15% of unit, 65% biotite and 10% garnet). Interval of chloritic altered biotite felsic gneiss (20%).	35	8 to 10	1	<1
569.7	576.4	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Quartz fragments and sericitic alteration haloes (<3%).	15 to 20	0	<<1	Tr
576.4	600.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intervals of dark green fine to medium grained amphibolite (15-20%).	15	0	<1	Tr
600.2	606.5	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium Grained	Moderately Well Foliated	Sericitic alteration haloes (3-5%).	20	0	<<1	Tr
606.5	615.3	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Interval of a fine to medium grained garnet biotite felsic gneiss (614.3-614.7m) with 55-60% biotite, 10% coarse grained garnet (5mm) and 5-10% amphibole - contains fine grained schlieren pyrrhotite (1% of interval) and fine grained disseminated pyrite (<<1%).	5 to 10	15 to 20	<<<1	<<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
615.3	619.2	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Sericitic alteration haloes (5%).	10 to 15	0	<<1	Tr
619.2	659.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Local zones of fine to medium grained amphibolite (5-10% garnet). Intermixed with a medium grained sedimentary felsic gneiss (15%), decreasing in presence downhole. 626.6-626.9m: garnet biotite felsic gneiss with fine grained clotty pyrrhotite.	15	0	<<1	<1
659.0	659.9	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium-coarse	Moderately Well Foliated	Sericitic alteration haloes (<<1%).	15	0	Tr	Tr
659.9	662.7	Amphibolite	Dark Green	Fine-medium	Weakly Foliated	Quartz carbonate fragments and veinlets (5%).	5 to 10	0	Tr	Tr
662.7	670.2	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium-coarse	Moderately Well Foliated	Sericitic alteration haloes (10%).	15	0	Tr	Tr
670.2	692.7	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Dark green, foliated amphibole felsic gneiss with 20% biotite and >45% fine to medium grained amphibole. Coarse grained porphyroblastic garnet increases downhole (from 689.8-692.7m).	20	5 to 10	<<1	Tr
692.7	693.8	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium Grained	Moderately Well Foliated	Grey and white, medium grained quartz felspar porphyry. Massive white quartz vein with sericitic alteration at the margins.	15	0	Tr	Tr
693.8	695.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	Tr	Tr
695.0	699.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Coarse grained porphyroblastic garnet.	10	20	Tr	<<<1
699.1	709.8	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated	Quartz carbonate spider veinlets. Minor sericitic alteration (3-5%).	5	0	Tr	Tr
709.8	711.0	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium Grained	Weakly-moderately	Sericitic alteration haloes (5%). Drill not powerful enough to go deeper. End of hole.	15	0	Tr	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 180	Total Depth (m) 218	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 31-May-12	Date Completed 01-Jun-12	Date Logged May 31-Jun 1 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329521
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304139
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	17.6	Casing								
17.6	23.6	2 Mica Granite	Grey, white, and pink	Coarse Grained	Massive	Abundant potassic alteration. Localized quartz pegmatite.	5	<1	tr	tr
23.6	27.8	Felsic Gneiss (S)	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized felsic pegmatites. Abundant quartz spider veinlets with potassic alteration halos.	10	0	tr to <1	tr
27.8	64.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well Foliated	In situ breccia at 38.3-43.8m. Localized medium-coarse grained. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. Localized sections of abundant sericitic alteration.	10	0	1	tr
64.2	65.2	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Weakly-moderately	Localized quartz spider veinlets.	5	0	tr to <1	tr
65.2	69.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic alteration halos.	5	0	<1	tr
69.2	70.6	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	2	0	<1	tr to <1
70.6	79.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. 30 cm thick UMLAMP dike at 73.1m. Localized vuggy sections with epidote. Localized quartz spider veinlets with sericitic alteration halos.	10	0	1 to 2	tr to <1
79.7	94.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized coarse grained blebby sulphides. Massive pyrite with vein pyrrhotite and quartz pegmatite at 92.6m. Silimanite occurs in porphyroblastic bundles of fine grained acicular crystals. Localized vuggy sections with epidote. Abundant quartz spider veinlets with sericitic alteration halos.	10	<1	1 to 2	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
94.0	102.0	Altered Garnet Biotite Felsic Gneiss	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Pervassive silicious alteration. Localized sections of pervassive potassic alteration. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	5	5	<1	tr to <1
102.0	108.3	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets.	1 to 2	0	<1 to 1	tr to <1
108.3	115.4	Amphibole Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent felsic gneiss (S). Localized vuggy sections with epidote. Localized quartz spider veinlets with sericitic alteration halos.	15	0	<1	tr to <1
115.4	118.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Intermittent amphibole felsic gneiss. Intermittent altered biotite felsic gneiss. In situ breccia at 117.1-117.5m. Quartz veinlet with 1-2 mm thick potassic and 2-5 cm thick silicious alteration halos at 117.6m. Localized quartz spider veinlets.	20	0	<1 to 1	tr
118.8	121.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent biotite felsic gneiss with 1% pyrite. Localized quartz spider veinlets with sericitic alteration halos.	15	0	<1	tr
121.7	125.0	Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Sections containing coarse grained biotite porphyroblasts. Localized quartz spider veinlets.	10	0	<1	tr
125.0	130.0	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Sulphides occur in localized sections. Abundant quartz spider veinlets with sericitic alteration halos.	5	0	<1	tr
130.0	146.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Intermittent biotite felsic gneiss with 1% pyrite. 30 cm thick section with pervasive sericitic alteration and 3% pyrite surrounding a quartz veinlet at 139.1m. Abundant quartz spider veinlets with sericitic alteration halos.	15	0	1	tr
146.0	147.5	Biotite Felsic Gneiss	Black and green	Fine-medium	Moderately Well Foliated	Localized sections with patchy chlorite. Localized quartz veins.	40	0	1	tr
147.5	151.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby pyrite. Localized 1 mm thick pyrite veins. Abundant quartz spider veinlets with sericitic alteration.	10	0	<1 to 1	tr
151.7	158.8	Altered Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Pervasive sericitic alteration. Abundant quartz spider veinlets. Intermittent sections of felsic gneiss (S).	5	0	<1	tr
158.8	163.0	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Weakly-moderately	Abundant sericitic alteration. Localized quartz spider veinlets.	5	0	1 to 2	tr
163.0	165.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Pyrrhotite within quartz veinlets near top contact. Localized quartz spider veinlets.	5 to 10	<1	<1 to 1	tr to <1
165.9	172.2	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Weakly-moderately	Localized medium-coarse grained blebby pyrite. Localized quartz pegmatites. Abundant quartz spider veinlets.	15	0	1	tr to <1
172.2	174.5	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Siliceous alteration near lower contact. Abundant quartz spider veinlets.	10	1 to 2	<1 to 1	<1
174.5	179.0	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Weakly Foliated	Abundant medium-coarse grained blebby pyrite near lower contact. Abundant quartz spider veinlets.	2 to 3	0	1 to 2	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
179.0	180.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
180.6	191.0	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly Foliated	Intermittent felsic gneiss (S). Localized coarse grained blebby pyrite. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	5	0	<1	tr
191.0	193.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized coarse grained blebby pyrite. Localized pyrite veinlet at 192.4m. Pervasive sericitic alteration around sub-parallal quartz veinlets at 191.4-191.8m. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	15	0	<1 to 1	tr
193.2	198.2	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Weakly Foliated	Localized medium-coarse grained blebby pyrite. Amphibolite at 196.1-196.6m. Breccia at 195.2-195.6m. Abundant quartz spider veinlets.	5 to 10	0	<1	tr to <1
198.2	200.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermittent altertered garnet biotite felsic gneiss. Localized quartz spider veinlets.	30	5	tr to <1	tr
200.5	202.4	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated		20	0	<1	tr
202.4	204.4	Diorite	Grey and white	Medium-coarse	Massive-weakly		15	0	tr to <1	tr
204.4	206.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized coarse grained disseminated pyrite. Intermittent diorite. Localized quartz spider veinlets with sericitic alteration halos.	15	<1	<1	tr
206.0	209.0	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Coarse blebby pyrite at 208.1m. Intermittent diorite. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	5	0	<1	tr
209.0	218.0	Diorite	Grey and white	Medium-coarse	Massive-weakly	Localized quartz pegmatites. Localized quartz spider veinlets with sericitic and potassic alteration halos. EOH	15	0	<1	tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 431	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 02-Jun-12	Date Completed 05-Jun-12	Date Logged Jun 2-Jun 6, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331259
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303519
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.0	Casing				Overburden				
9.0	27.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Medium-coarse subrounded quartz grains(5-7%), 30cm barren quartz vein at 19.8m, 2-3% sericitic alteration	3 to 5	0	<1 to 1	Tr
27.1	29.1	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately well-well	Well defined pyrite veinlets(<2mm), moderately vuggy, 3-5% sericitic alteration	5 to 7	0	1 to 2	Tr
29.1	38.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pyrite decreases downhole, amphibole banding(<1cm), 50cm barren diorite at 34.0m, 2-3% sericitic alteration	5 to 7	0	<1	Tr
38.0	40.6	Clotty Felsic gneiss Amphibolite	Grey and Green	Medium Grained	Weakly-moderately	Trace sulphides localized within 30cm of upper/lower contacts, 1-2% chloritic alteration	20 to 25	0	Tr	Tr
40.6	45.0	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Pyrite increases downhole, 2-3% sericitic alteration	5 to 7	0	1	Tr
45.0	47.3	Altered Felsic Gneiss (S)	Grey and pink	Fine-medium	Weakly-moderately	UM/LAMP(50cm) dike at 45.8m with opaque yellow fine grained disseminated mineral in lower 10cm, trace galena at dike contact, dike alters gneiss, 25-30% potassic alteration	5 to 7	0	<1 to 1	Tr
47.3	49.4	Felsic Gneiss (S)	Variable Grey	Fine-medium	Porphyroblast ic	Biotite porphyroblasts(<1cm) 5-7%, 2-3% sericitic alteration	10 to 15	0	<1 to 1	<1
49.4	61.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Diorite intermixing in bottom 3m, 2-3% sericitic alteration	5 to 7	0	<1 to 1	Tr
61.8	85.2	Clotty Felsic gneiss Amphibolite	Grey and Green	Fine-medium grained	Weakly-moderately well foliated	Over/underlying contacts are gradational over 3m with amphibole increasing and grain size decreases away from contacts, subangular clots(<15cm) and interlayers(<1m)of felsic gneiss host pyrrhotite mineralization in unit, sulphides decrease away from conta	20 to 25	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.2	112.7	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	Amphibole increases downhole, moderately blocky and vuggy, white quartz veins(<7cm) throughout with <1% sulphides, 3-5% sericitic and potassic alteration	5 to 7	0	<1 to 1	Tr
112.7	125.6	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Weakly-moderately	Medium-coarse subrounded white quartz/plagioclase grains(7-10), 15-20% potassic alteration decreasing towards contacts, 2-3% sericitic alteration	5 to 7	0	<1	Tr
125.6	137.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Amphibole and biotite increase downhole, 5cm UM/LAMP dike at 132.0m, 5-7% potassic and 2-3% sericitic alteration	7 to 10	0	<1	Tr
137.6	139.1	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Pyrite decreases downhole, 2-3% chloritic alteration	3 to 5	0	<1 to 1	0
139.1	147.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Biotite bands(<1cm) with increased sulphides, 2-3% sericitic alteration	7 to 10	0	<1 to 1	Tr
147.1	148.9	Diorite	Grey and pink	Fine-medium	Weakly-moderately	Quartz/plagioclase crystals in groundmass are completely potassic altered	20 to 25	0	Tr	Tr
148.9	167.1	K-Altered Felsic Gneiss (S)	Pink	Fine-medium grained	Moderately Well Foliated	Upper 3m of unit is 15-20% potassic altered, remaining is completely altered where groundmass mineralization and original textures are undiscernable, altered texture is brecciated with 2-3% carbonate replacement veinlets, blocky core	5 to 7	0	<1	Tr
167.1	170.0	Felsic Gneiss (S)	Grey and pink	Fine-medium	Moderately Well Foliated	Similar to upper 3m of overlying altered gneiss, amphibole increases downhole	5 to 7	0	<1	Tr
170.0	173.2	Diorite	Grey, white, and pink	Fine-medium	Weakly-moderately	7-10% potassic altered decreasing downhole	20 to 25	0	Tr	0
173.2	174.8	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Weakly-moderately	Grain size coarsens slightly downhole, 1-2% chloritic alteration	7 to 10	0	<1 to 1	0
174.8	191.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite bands(<1cm) with increased sulphides, white quartz veins(<25cm) with trace sulphides, 1-2% sericitic alteration	10 to 15	0	<1 to 1	<1
191.1	200.3	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Massive-weakly foliated	Amphibole mineralization present throughout in main groundmass, increased and coarser pyrite mineralization at lower contact(15cm), local biotite bands with increased sulphides, 1-2% sericitic alteration	10 to 15	0	<1 to 1	Tr
200.3	202.6	Diorite	Grey and white	Fine-medium	Weakly-moderately	Similar to 170.0-173.2m interval	20 to 25	0	Tr	0
202.6	223.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Potassic altered section between 209.4-212.7m with several small UM/LAMP dikes intruding through, dikes have <1% yellow very fine-fine grained dull mineral within them, amphibole banding(<2cm) with increased pyrite mineralization, 3-5 % sericitic alteration	7 to 10	0	<1 to 1	<1
223.0	226.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Sedimentary gneiss interlayers (<40cm) with decreased sulphides, 2-3% sericitic and potassic alteration	10 to 15	0	<1 to 1	<1 to 1
226.7	237.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	5-7% sericitic and potassic alteration decreasing downhole	10 to 15	0	<1 to 1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
237.0	237.9	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Sulphides mineralized within 20cm of contacts, 2-3% chloritic and 3-5% potassic alteration	15 to 20	0	Tr	Tr
237.9	246.9	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Grain size coarsens downhole, granitic gneiss intermixing within 3m of lower contact, 2-3% potassic and sericitic alteration	7 to 10	0	<1	<1
246.9	249.8	Felsic Gneiss (G)	Light Grey	Medium Grained	Massive-weakly	Intermixed with sedimentary gneiss, 7-10% sericitic alteration	5 to 7		<1	<1
249.8	253.9	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Similar to 237.9-246.9m interval with potassic altered amphibole gneiss interlayers(<20cm)	10 to 15	0	<1	<1
253.9	257.2	Felsic Gneiss (G)	Light Grey	Medium Grained	Weakly-moderately	Similar to 246.9-249.8m interval, 3-5% sericitic alteration	7 to 10	0	<1	<1
257.2	270.0	Felsic Gneiss (G)	Light Grey	Fine-medium	Moderately Well Foliated	Intermixed with overlying granitic gneiss in upper 2m, biotite increases downhole, 2-3% sericitic alteration	7 to 10	0	<1 to 1	<1
270.0	271.9	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Local biotite bands(<1cm) with garnet and increased sulphide mineralization	15 to 20	<1 to 1	<1 to 1	<1
271.9	282.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Sedimentary gneiss interlayers(<1.5m) similar to 257.2-270.0m, 2-3% sericitic alteration	15 to 20	0	<1 to 1	<1 to 1
282.2	285.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite increases downhole, coarse grained pegmatite intrusions(<1m) with <1% clotty sulphides, 2-3% sericitic alteration	7 to 10	0	<1 to 1	<1
285.8	297.4	Quartz Feldspar Porphyry (QFP)	Grey and white	Fine-medium grained	Weakly-moderately well foliated	Grain size coarsens downhole, subrounded to subangular quartz/feldspar crystals, sedimentary gneiss(<1m) interlayers with increased sulphides, 3-5% potassic alteration increasing downhole, 1-2% sericitic alteration	15 to 20	0	<1 to 1	<1
297.4	304.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Local biotite bands(<1m) and zones(<5cm) with increased sulphide mineralization, coarse pink pegmatite intrusions(<1m) with <1% clotty sulphides, 2-3% potassic and sericitic alteration	15 to 20	0	<1 to 1	<1 to 1
304.6	306.1	Quartz Feldspar Porphyry (QFP)	Grey and white	Fine Grained	Moderately Well Foliated	Subangular to subrounded quartz/feldspar grains, 2-3% sericitic alteration	15 to 20	0	Tr	Tr
306.1	307.8	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Grain size coarsens downhole, 3-5% sericitic alteration increasing downhole	50 to 60	5 to 7	1	<1
307.8	313.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Coarse pegmatite intrusions(<40cm) with coarse biotite and increased sulphides at the contacts, 2-3% potassic and sericitic alteration	15 to 20	Tr	<1 to 1	<1
313.4	315.0	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Pegmatite selvages(<5cm) with increased sulphides and coarse biotite at the contact, 1-2% sericitic alteration	50 to 60	5 to 7	1 to 2	<1
315.0	320.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Sulphides decrease downhole, altered zone between 316.8-318.0m with 15-20% potassic and 7-10% chloritic alteration	10 to 15	Tr	<1 to 1	<1 to 1
320.0	321.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly Foliated	1% carbonate replacements veinlets	3 to 5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
321.4	330.4	Felsic Gneiss (S)	Light Grey	Fine-medium	Weakly-moderately	Intermixed with medium grained granitic gneiss, garnet biotite interval(80cm) at lower contact with <1-1% sulphides, 1-2% sericitic alteration	7 to 10	<1	1	<1 to 1
330.4	332.7	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	2-3% sericitic alteration	15 to 20	0	Tr	Tr
332.7	337.3	Diorite	Grey and white	Fine-medium	Moderately Well Foliated	Sulphides increase slightly downhole, 1-2% sericitic alteration	20 to 25	0	Tr	Tr
337.3	344.6	Garnet Biotite Felsic Gneiss	Variable Grey	Medium Grained	Moderately Well Foliated	Pegmatite selvages(<10cm) with increased sulphides at the contacts, 2-3% sericitic alteration	50 to 60	5 to 7	1 to 2	<1 to 1
344.6	350.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite banding(<2cm) with increased sulphide mineralization, pegmatite selvages with 1-2% clotty sulphides, amphibole banding(<1cm) increasing downhole	20 to 25	0	1 to 2	1 to 2
350.4	353.1	Pegmatite	Grey and Blue	Coarse Grained	Massive		1 to 2	0	<1 to 1	<1 to 1
353.1	355.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Amphibole banding(<2cm) with increased pyrrhotite mineralization, 1-2% chloritic alteration	2 to 3	Tr	<1 to 1	1 to 2
355.4	364.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite decreases downhole, pegmatite intrusions(<1m) with <1% clotty sulphides and increased sulphides at the contact, 1-2% chloritic alteration within amphibole	10 to 15	0	<1 to 1	1 to 2
364.4	371.4	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Footwall amphibolite with trace chalcopyrite associated with pyrrhotite, 1-2% carbonate replacement veinlets, 3-5% chloritic alteration	<1 to 1	3 to 4	<1	1
371.4	374.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Sedimentary gneiss interlayer within amphibolite, biotite banding(<2cm) with slight pyrrhotite increase, 2-3% sericitic alteration	7 to 10	0	<1	<1 to 1
374.5	392.0	Amphibolite	Dark\Light green and	Fine-medium	Weakly-moderately	Similar to 364.4-371.4m interval, barren white quartz vein(1m) at 385.0m	1 to 2	5 to 7	<1	1 to 2
392.0	399.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Pyrrhotite decreases downhole, 2-3% chloritic alteration	15 to 20	0	Tr	<1 to 1
399.9	404.5	Altered Amphibolite	Variable Green	Fine-medium	Weakly-moderately	Intermixed in lower 1m with sedimentary gneiss, ankerite alteration banding(<2cm) 7-10%, 10-15% chloritic and 3-5% sericitic alteration	3 to 5	3 to 5	Tr	Tr
404.5	409.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Footwall amphibolite interlayers(<10cm) with 1-2% pyrrhotite and trace chalcopyrite, 2-3% sericitic alteration	10 to 15	0	Tr	Tr
409.0	411.9	Diorite	Grey and white	Fine-medium	Weakly Foliated	1-2% sericitic alteration	15 to 20	0	Tr	Tr
411.9	431.0	Amphibolite	Dark\Light green and	Fine-medium	Weakly-moderately	Footwall amphibolite similar to 364.4-371.4m interval, diorite intrusive(1.5m) at 421m with <1% sulphides. End of Hole.	2 to 3	7 to 10	Tr	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 200	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 03-Jun-12	Date Completed 05-Jun-12	Date Logged June 1-3	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329595
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304073
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	31.5	Casing								
31.5	48.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized coarse blebby pyrite. Localized vuggy sections with epidote. Localized sections with pervasive sericitic alteration. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	10	<1	1	tr
48.8	50.8	UMLAMP Dike	Grey	Fine Grained	Massive	Abundant quartz spider veinlets.	1	0	tr	tr
50.8	52.6	Altered Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pervasive sericitic alteration. Abundant quartz spider veinlets.	3 to 5	0	<1	tr
52.6	61.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained pyrite. Intermittent felsic gneiss (S). Medium grained porphyroblastic amphibole. Abundant quartz spider veinlets. 20 cm section of sericitic alteration at 60.5m.	2 to 3	0	<1 to 1	tr
61.6	65.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pyrite associated with biotite. Abundant quartz spider veinlets with sericitic alteration halos.	15	0	<1	tr
65.9	75.0	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Moderately Well Foliated	Felsic gneiss (S) at 69.9-70.4m. Coarse grained porphyroblastic amphibole. Localized quartz spider veinlets.	5	0	tr to <1	tr
75.0	80.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermittent patches of porphyroblastic amphibole felsic gneiss. Abundant quartz spider veinlets.	10	0	tr to <1	tr
80.4	86.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized quartz pegmatite. Abundant quartz spider veinlets with sericitic and/or potassic alterations.	5	0	tr to <1	tr
86.1	99.0	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermittent biotite felsic gneiss. Intermittent felsic gneiss (S). Localized coarse grained blebby sulphides. Abundant quartz spider veinlets.	20	0	1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
99.0	121.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Intermittent sections of felsic gneiss (S) with varying grain size and/or biotite content. Localized vuggy sections with epidote. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
121.1	127.1	Biotite Felsic Gneiss	Black and grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent felsic gneiss (S). Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	30	0	1	<1
127.1	132.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets, some with sericitic alteration halos.	5	0	<1	tr
132.9	136.9	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately well-well	Localized quartz pegmatites. Localized quartz spider veinlets.	30	0	<1	tr
136.9	139.8	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Garnet biotite felsic gneiss at 139.2-139.8m. Localized coarse grained blebby pyrite. Localized quartz spider veinlets.	10	<1	<1 to 1	tr
139.8	141.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium grained blebby pyrite. Localized quartz pegmatites.	10	0	<1	tr
141.0	143.0	Altered Biotite Felsic Gneiss	Grey	Fine-medium	Moderately well-well	Pervasive siliceous alteration. Abundant quartz spider veinlets.	3 to 5	0	tr to <1	tr
143.0	144.3	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized quartz spider veinlets with silicious alteration halos.	30	0	tr to <1	tr
144.3	152.9	Biotite Felsic Gneiss	Black and grey	Medium-coarse	Moderately Well Foliated	Coarser grained near upper contact. Localized vuggy sections with epidote. Localized quartz pegmatites. Abundant quartz spider veinlets.	30	0	tr to <1	tr
152.9	155.6	Biotite Felsic Gneiss	Grey	Fine-medium	Moderately well-well	Localized quartz spider veinlets. Patchy chlorite at upper contact.	40	0	<1 to 1	tr
155.6	159.2	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately well-well	Intermittent sections of biotite felsic gneiss and amphibole felsic gneiss. Localized quartz spider veinlets.	15	0	tr	tr
159.2	163.9	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Coarse grained amphibole porphyroblasts. Abundant quartz spider veinlets.	10	0	tr to <1	tr
163.9	165.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pervasive quartz spider veinlets with sericitic alteration halos. Localized section with potassic and silicious alteration.	5	0	tr to <1	tr
165.9	168.9	Amphibole Felsic Gneiss	Dark\Light Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Localized quartz spider veinlets. Intermittent sections of coarse grained patch amphibole.	5	0	<1	<1
168.9	170.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby pyrite. Fine grained, brown-red mineral veinlets with pyrite at 170.3m.	5	0	<1 to 1	tr
170.6	172.5	Biotite Felsic Gneiss	Black and grey	Fine Grained	Moderately well-well	Fine-medium grained, 20% biotite, felsic gneiss (S) near lower contact. Localized pink felsic pegmatite. Localized quartz spider veinlets with sericitic alteration halos.	30	0	<1 to 1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
172.5	179.8	Diorite	Grey and white	Medium-coarse	Massive-weakly	Localized coarse grained blebby sulphides. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	10	0	<1	tr
179.8	180.9	Biotite Felsic Gneiss	Black and grey	Fine-medium	Moderately Well Foliated		40	0	1 to 2	tr to <1
180.9	184.0	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby pyrrhotite. Abundant silicious alteration. Localized quartz pegmatites. Localized quartz spider veinlets.	10	0	1	1 to 2
184.0	200.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Patchy sections of chlorite alteration and 1-35 cm quartz veins.	30	2	2	1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 278	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 05-Jun-12	Date Completed 07-Jun-12	Date Logged June 5-7 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329595
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304073
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	26.1	Casing								
26.1	79.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermittent <30 cm sections of diorite within upper 20m of the unit. Patchy sections of chlorite alteration (47-59m) associated with increased pyrite. Localized quartz spider veinlets with sericitic alteration haloes.	10	<1 to 1	1 to 2	Tr
79.6	82.7	Diabase Dike	Black and white	Fine Grained	Massive	Intruded by sections of UMLAMP Dikes.				
82.7	172.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized fine-medium grained blebby, schlieren and veinlets of pyrite. Slight variability in grain size and biotite content across the unit. 100.1-101- Interlayer of Porphyroblastic Amphibole Felsic Gneiss. 108.2-108.8m- UMLAMP Dike. Localized cm-scale vugs associated with blebby pyrite. Localized sections of abundant quartz spider veinlets with intense sericitic\potassic alteration haloes. 134-140m- intermixed cm-scale sections of granitic felsic gneiss.	10	1	1 to 2	Tr
172.6	175.9	Biotite Felsic Gneiss	Black and grey	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby sulphides. Localized quartz spider veinlets with sericitic alteration halos.	30	0	<1	<1 to 1
175.9	184.2	Amphibolite	Black	Fine Grained	Weakly-moderately well foliated	Intermittent sections of medium-coarse grained patchy amphibolite near bottom contact. Localized medium-coarse grained blebby-streaky sulphides. Localized fine grained schlieren pyrrhotite. Localized quartz spider veinlets with sericitic alteration halos.	5	0	tr to <1	1 to 2
184.2	186.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Pyrite concentrated in biotite rich sections. Localized felsic pegmatites. Pervasive quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
186.5	188.3	UMLAMP Dike	Dark Grey	Fine Grained	Massive	Localized quartz spider veinlets.	0	0	tr	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
188.3	189.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Pervasive quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
189.8	194.3	Altered Felsic Gneiss (S)	Grey and Green	Medium Grained	Brecciated	Localized medium grained blebby sulphides. Breccia like texture consisting of amphibole rich matrix surrounding fragments of mainly sericitically altered felsic gneiss (S). Localized quartz spider veinlets with sericitic alteration halos.	5	1	1 to 2	tr to <1
194.3	202.7	Felsic Gneiss (G)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. 30 cm of biotite felsic gneiss and quartz pegmatite at 200.2m. Abundant quartz pegmatites, some with coarse grained blebby sulphides on margins. Localized sections with abundant bundles of medium grained siliminite crystals. Localized quartz spider veinlets with sericitic alteration halos.	20	0	<1	<1
202.7	206.4	Altered Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Pervasive patches of sericitic alteration and 2-3% pyrite at 204.4-204.9m. Silicious alteration with bundles of fine grained amphibole crystals at lower contact. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	5	0	1	tr
206.4	211.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	25	0	<1 to 1	tr
211.9	221.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Localized fine grained schlieren pyrite. Intermittent sections of felsic gneiss (S). Abundant quartz spider veinlets with sericitic alteration halos.	30	2 to 3	1 to 2	<1 to 1
221.6	225.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Coarse grained pyrrhotite blebs located within quartz pegmatite at 223.5m. Localized medium-coarse grained blebby pyrite. Abundant bundles of fine grained acicular amphibole. Localized quartz spider veinlets.	10	1	<1	tr to <1
225.6	230.6	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby pyrite. Intermittent sections of felsic gneiss (S). Localized quartz spider veinlets.	10	1 to 2	1	tr
230.6	236.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately well-well Foliated	Localized medium-coarse grained blebby-streaky sulphides. Localized fine-medium grained pyrite veinlets. Localized fine grained schlieren pyrite. Localized quartz pegmatites. Localized quartz spider veinlets.	30	1 to 2	1 to 2	<1 to 1
236.9	239.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent sections of garnet biotite felsic gneiss containing the majority of the pyrrhotite. Abundant quartz oegmatites with coarse grained blebby sulphides.	10	<1	<1 to 1	<1
239.8	242.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately well-well	Localized medium grained blebby-streaky sulphides. Localized quartz pegmatites. Localized quartz spider veinlets.	30	<1 to 1	<1	tr to <1
242.4	247.3	Felsic Gneiss (S)	Black and grey	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent sections of garnet biotite felsic gneiss. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	20	1	<1 to 1	<1
247.3	254.3	Biotite Felsic Gneiss	Black and grey	Fine-medium grained	Moderately well-well Foliated	Localized medium-coarse grained streaky-blebby pyrite. Intermittent sections of coarse grained biotite. Localized quartz pegmatites. Localized quartz spider veinlets. Chlorite porphyroblasts near bottom contact.	30 to 40	0	<1 to 1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
254.3	258.1	Felsic Gneiss (S)	Black and grey	Medium Grained	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz pegmatites. Intermittent sections of felsic gneiss (S).	15	1	1	<1 to 1
258.1	265.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse grained	Moderately well-well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent sections of felsic gneiss (S). 60 cm section with <1 cm thick quartz vein and pervasive sericitic alteration. Localized quartz spider veinlets with sericitic alteration halos.	30	3 to 5	1	<1
265.2	267.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Section of felsic gneiss (G) at 266.8-267.2m. Localized quartz pegmatites.	10	0	tr to <1	<1
267.6	271.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby-streaky pyrite. Localized quartz spider veinlets.	40	3 to 5	1	<1
271.4	272.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Localized quartz pegmatites.	20	1 to 2	<1 to 1	<1 to 1
272.6	278.0	Felsic Gneiss (S)	Black and grey	Medium-coarse grained	Weakly-moderately well foliated	Intermittent felsic pegmatites. Localized sections with 5% coarse grained blebby sulphides. Section of fine-medium grained, well foliated garnet biotite felsic gneiss with 1-2% fine grained disseminated sulphides at 275.3-276.3m. Localized quartz spider veinlets with potassic alteration halos. EOH	10	1 to 2	<1 to 1	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 431	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 05-Jun-12	Date Completed 08-Jun-12	Date Logged Jun 6-Jun 8, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331259
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303519
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing				Overburden				
6.0	12.5	Clotty Felsic gneiss Amphibolite	Dark\Light green and pink	Fine-medium grained	Weakly Foliated	Grain size decreases downhole, moderately blocky core, pyrite mineralization increased at lower contact, pinkish tinge to quartz/plagioclase in groundmass, 2-3% sericitic and potassic alteration	10 to 15	0	Tr	Tr
12.5	29.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Pyrite mineralization consistent throughout, medium-coarse subrounded quartz and plagioclase crystals in groundmass(2-3%), amphibole mineralization increases and grain size decreases downhole, oxidation weathering up to 16m depth, 1-2% potassic and 2-3% sericitic alteration	5 to 7	0	1 to 2	Tr
29.3	34.4	Diorite	Grey and white	Fine-medium	Weakly Foliated	Sedimentary gneiss interlayer at 30.7-31.9m similar to overlying,	10 to 15	0	<1 to 1	0
34.4	42.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Similar to 12.5-29.3m interval, 20cm UM/LAMP dike at 41.0m altering over/underlying gneiss within 30cm of contacts	5 to 7	0	1 to 2	Tr
42.3	45.5	Diorite	Grey and white	Fine-medium	Weakly Foliated	Similar 29.3-34.4m interval	15 to 20	0	<1 to 1	0
45.5	54.8	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Similar to 12.5-29.3m interval	5 to 7	0	1 to 2	Tr
54.8	76.4	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Felsic gneiss bands and subangular clots(up to 50cm elongate) with <1% disseminated sulphides, grain size decreases downhole, 2-3% potassic alteration	3 to 5	0	Tr	Tr
76.4	81.3	Felsic Gneiss (S)	Grey and Green	Fine-medium	Weakly-moderately	Sedimentary gneiss interlayer within amphibolite with gradational contacts over 50cm, pyrite decreases downhole, 1-2% potassic alteration	7 to 10	0	1 to 2	Tr
81.3	110.8	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately	Grain size decreases downhole, pyrite mineralization increased at contacts, 1-2% subangular sedimentary gneiss clots, 1-2% chloritic alteration	15 to 20	0	<1	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
110.8	118.5	Diorite	Grey and white	Fine-medium	Massive-weakly	Overlying clotty amphibolite fragments/interlayers (up to 50cm) in groundmass, 2-3% sericitic and potassic alteration	10 to 15	0	<1	0
118.5	131.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Intermixed with diorite, 3-5% potassic alteration	5 to 7	0	<1 to 1	Tr
131.5	139.8	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Medium-coarse subrounded quartz crystals(7-10%), 3-5% potassic alteration	5 to 7	0	<1 to 1	Tr
139.8	145.6	Altered Amphibole Felsic Gneiss	Pink	Fine-medium	Moderately Well Foliated	Altered texture is brecciated with carbonate veinlets infilling the fracture, original groundmass is nearly undiscernable with 90-95% potassic alteration within groundmass	10 to 15	0	Tr	0
145.6	148.7	K-Altered Felsic Gneiss (S)	Pink	Fine-medium	Moderately Well Foliated	Similar groundmass to 131.5-139.8m interval with 85-90% potassic alteration	5 to 7	0	<1	Tr
148.7	151.2	Clotty Felsic gneiss Amphibolite	Dark Green	Fine Grained	Moderately well-well	Potassic altered felsic gneiss clots and bands with similar groundmass composition to overlying, 1-2% carbonate replacement veinlets	10 to 15	0	Tr	Tr
151.2	155.7	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Similar to 131.5-138.9m interval with 7-10% potassic alteration decreasing downhole	7 to 10	0	<1 to 1	Tr
155.7	158.6	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Massive clots of pyrite(<4cm) made of fine-coarse pyrite grains, 2-3% chloritic alteration	3 to 5	0	2 to 3	Tr
158.6	161.8	Felsic Gneiss (S)	Grey, green and pink	Fine-medium	Moderately Well Foliated	Amphibole banding(<2cm) with increased pyrite mineralization increasing downhole, 3-5% potassic alteration	5 to 7	0	<1 to 1	Tr
161.8	173.8	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Moderately well-well	Grain size decreases and pyrite increases downhole, 1-2% carbonate alteration veinlets, 2-3% chloritic and potassic alteration	15 to 20	0	<1 to 1	Tr
173.8	207.0	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Moderately Well Foliated	Interlayers of overlying amphibole gneiss(<1m) and amphibole banding with increased pyrite in groundmass as well, various UM/LAMP dike intrusions(5-70cm) altering unit within 30cm of contacts, 15cm dike at 205.0m has pale yellow disseminated mineral similar to small dike intrusions in BL12-215, <1-1% clotty pyrite in quartz veins(<10cm), 3-5% sericitic and potassic alteration	7 to 10	0	2 to 3	Tr
207.0	208.2	Diorite	Grey, white, and pink	Medium Grained	Moderately Well Foliated	2-3% potassic alteration	15 to 20	0	Tr	0
208.2	212.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well		7 to 10	0	<1	<1
212.9	214.2	UM/LAMP Dike	Black and white	Fine-medium	Dike	1-2% carbonate replacement veinlets, alters over/underlying unit within 1m of contacts	7 to 10	0	Tr	0
214.2	217.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	2-3% sericitic and potassic alteration	7 to 10	0	Tr	Tr
217.2	224.4	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Interlayered with sedimentary gneiss(<50cm) increasing downhole with <1% sulphides, various <2cm UM/LAMP dike intrusions throughout, 2-3% sericitic alteration	5 to 7	0	<1 to 1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
224.4	229.2	UMLAMP Dike	Black and white	Fine-medium	Dike	Similar to 212.9-214.2m interval	3 to 5	0	Tr	0
229.2	231.3	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Similar to 217.2-224.4m interval	5 to 7	0	<1 to 1	<1
231.3	246.9	UMLAMP Dike	Black and white	Fine-medium	Dike	Similar dike composition to 212.9-214.2m interval with dike altered sedimentary gneiss selveges(<50cm) throughout, selveges similar to underlying	2 to 3	0	<1	0
246.9	248.9	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Pegmatite selveges with trace sulphides, 2-3% potassic alteration	7 to 10	0	<1	Tr
248.9	250.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Increased pyrite mineralization within 20cm of contacts, 1-2% carbonate stringer veins	7 to 10	0	Tr	0
250.4	270.3	Felsic Gneiss (S)	Light Grey	Fine-medium grained	Moderately Well Foliated	Biotite and amphibole rich interval(1m) with increased sulphides at lower contact, intermixed with granitic gneiss from 257-260m, local biotite bands(<2cm) with increased sulphides, 2-3% sericitic alteration	7 to 10	0	<1	Tr
270.3	272.6	Diorite	Grey and white	Fine-medium	Weakly-moderately		10 to 15	0	Tr	0
272.6	281.2	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Sedimentary gneiss interlayers(<1m) with <1% sulphides, 2-3% chloritic alteration	3 to 5	0	<1 to 1	<1 to 1
281.2	284.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite zones(<3cm) with increased sulphides, 2-3% chloritic and sericitic alteration	5 to 7	0	<1	<1
284.6	294.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Similar to 272.6-281.2m interval, yellow-red banded mineral(<1cm) with medium euhedral pyrite within it at 290.9m depth	3 to 5	0	1 to 2	<1 to 1
294.6	302.9	Felsic Gneiss (S)	Variable Grey	Fine-coarse grained	Moderately Well Foliated	Variable unit with coarse pegmatite selveges(<30cm), garnet biotite gneiss bands(<5cm) with 2-3% sulphides and quartz feldspar porphyry intrusions(<30cm), grain size coarsens downhole, 2-3% potassic and sericitic alteration	10 to 15	<1 to 1	1 to 2	<1
302.9	306.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Garnets vary from fine-coarse grained, pegmatite selveges with <1% sulphides, 3-5% sericitic alteration	50 to 60	5 to 7	1 to 2	<1
306.1	308.0	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Grain size decreases and biotite and sulphides increase downhole, 2-3% sericitic alteration	20 to 25	1 to 2	1 to 2	1 to 2
308.0	310.5	UMLAMP Dike	Black	Fine Grained	Dike		3 to 5	0	Tr	0
310.5	313.3	Altered Garnet Biotite Felsic Gneiss	Grey	Fine-medium	Moderately well-well	Similar groundmass and texture to 302.9-306.1m interval with 20-25% sericitic and 5-7% potassic alteration decreasing downhole	50 to 60	5 to 7	1 to 2	<1
313.3	315.7	Felsic Gneiss (G)	Light Grey	Fine-medium	Weakly-moderately	Pegmatite selveges(<15cm) with <1% sulphides, biotite decreases downhole, 10-15% sericitic alteration	5 to 7	0	<1	Tr
315.7	325.5	Felsic Gneiss (S)	Grey	Very Fine-fine grained	Moderately Well Foliated	Local garnet biotite gneiss zones(<30cm) with 1-2% sulphides, pegmatite selveges(<5cm) with <1% sulphides, 2-3% sericitic alteration	10 to 15	1 to 2	<1 to 1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
325.5	330.8	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Fine grained sulphide clots within quartz veins/fragments, amphibole banding in upper 2m in biotite/sulphide poor zones, 2-3% sericitic alteration	50 to 60	5 to 7	2 to 3	<1 to 1
330.8	333.2	Pegmatite	Grey, white, and pink	Coarse Grained	Massive	Garnet biotite gneiss interval(50cm) similar to overlying at lower contact, 2-3% sericitic alteration	<1	0	Tr	Tr
333.2	337.7	UM\LAMP Dike	Grey	Fine Grained	Dike	Nearly completely sericite altered unit altering over/underlying contacts such that dike contacts and groundmass mineralogy are undiscernable, brecciated alteration texture with quartz-carbonate infill, altered amphibole gneiss selvages within 1m of lower contact	<1	0	Tr	Tr
337.7	348.8	Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Local zones of fine-coarse garnet mineralization(30cm), biotite bands and zones(<5cm) with increased sulphide mineralization, pegmatite selvages(<10cm) with 1-2% clotty sulphides, biotite and sulphides decrease downhole, 1-2% sericitic alteration	30 to 40	1 to 2	1 to 2	1 to 2
348.8	350.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately well-well	Clotty sulphides within and at contacts of quartz veins/fragments with trace chalcopyrite, 2-3% chloritic alteration	5 to 7	0	1 to 2	1 to 2
350.4	354.8	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Amphibole banding(<2cm) and biotite banding(<1cm) with increased sulphide mineralization, 1-2% sericitic alteration	10 to 15	0	1 to 2	1 to 2
354.8	375.3	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Amphibole and grain size increase downhole, 2-3% sericitic and chloritic alteration	7 to 10	0	<1 to 1	<1 to 1
375.3	380.9	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Trace chalcopyrite within clotty pyrrhotite, various UM/LAMP dikes(2-30cm) throughout with zero sulphides, 2-3% chloritic alteration	5 to 7	0	Tr	<1 to 1
380.9	384.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Pegmatite intrusions(<1m) with trace sulphides, 3-5% sericitic alteration	10 to 15	0	<1	<1
384.4	398.7	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Similar to footwall amphibolite with <1% garnet mineralization, trace chalcopyrite within pyrrhotite clots, 1-2% sericitic and 3-5% chloritic alteration	7 to 10	<1	Tr	<1 to 1
398.7	431.0	Amphibolite	Dark green, black and pink	Fine-medium grained	Moderately Well Foliated	Footwall amphibolite, trace chalcopyrite within clotty pyrrhotite, garnets vary from fine-coarse, diorite interlayer(70cm) with trace sulphides, 3-5% chloritic and 1-2% sericitic alteration. End of Hole.	3 to 5	7 to 10	Tr	<1 to 1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 275	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 07-Jun-12	Date Completed 09-Jun-12	Date Logged June 7-9 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329600
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304245
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.0	Casing								
21.0	33.6	Quartz Feldspar Porphyry (QFP)	Grey, white, and pink	Medium-coarse grained	Moderately Well Foliated	Localized sections with potassic alteration of feldspar phenocrysts. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos. Localized vuggy sections with epidote. Section of biotite felsic gneiss at 28.7-28.9m. Section of felsic gneiss (S) with 2% epidote at 32.4-32.7m.	10	0	tr to <1	tr
33.6	38.4	Felsic Gneiss (G)	Grey, black and pink	Medium-coarse	Weakly Foliated	70 cm of felsic gneiss (S) at upper contact of unit. Localized sections with minor potassic alteration. Localized quartz spider veinlets with sericitic and/or potassic alteration halos.	5	0	tr	tr
38.4	40.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	10 cm of potassic alteration at lower contact. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
40.1	43.8	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium-coarse	Weakly-moderately	Localized quartz spider veinlets with sericitic alteration halos. Very minor amounts of potassic alteration of feldspar phenocrysts.	10	0	tr	tr
43.8	50.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized coarse grained blebby-streaky pyrite. Localized quartz pegmatites. Localized sections with 1-2 mm vugs. Localized quartz spider veinlets with potassic alteration halos. Section of chlorite altered biotite felsic gneiss at 44.1-44.4m.	10	0	1	tr to <1
50.0	53.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium grained blebby pyrite. Localized quartz spider veinlets with sericitic alteration halos. Medium grained porphyroblastic amphibole.	10	0	tr to <1	tr
53.7	63.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized medium-coarse grained blebby-streaky pyrite. Intermittent sections of amphibole felsic gneiss near lower contact. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
63.3	85.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby-streaky pyrite. Localized sections with 1-5 mm vugs. Abundant quartz spider veinlets with sericitic alteration halos. Intermittent sections of biotite felsic gneiss.	10	<1 to 1	1 to 2	tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.1	87.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized sections with elongate vugs (1 mm thick, 20 mm long). Localized quartz spider veinlets. Medium grained porphyroblastic amphibole.	10	0	tr to <1	tr
87.0	91.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized coarse grained blebby pyrite. Abundant 1-5 mm vugs. Abundant quartz spider veinlets, some with potassic alteration halos. Intermittent amphibole felsic gneiss and medium-coarse grained felsic gneiss (S) at upper contact.	10	0	<1	tr
91.7	99.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Intermittent sections of medium-coarse grained felsic gneiss (S). Localized sections with 1-5 mm vugs. Localized quartz spider veinlets with potassic alteration halos. 10 cm quartz vein at 98.4m.	10	0	<1 to 1	tr
99.6	102.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Medium grained porphyroblastic amphibole. 3 cm thick quartz vein at 102.6m. Localized quartz spider veinlets with sericitic alteration halos.	15	0	tr	tr
102.7	109.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized medium grained blebby sulphides. Localized fine-medium grained streaky sulphides. Abundant quartz spider veinlets with sericitic alteration halos. Intermittent sections of siliceous alteration at lower contact.	20	<1 to 1	<1	<1
109.5	113.4	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized quartz pegmatites.	20	3 to 5	2 to 3	1 to 2
113.4	130.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized fine-medium grained streaky sulphides. Localized medium-coarse grained blebby sulphides. Intermittent biotite felsic gneiss. Intermittent UMLAMP dikes between 5 and 30 cm thick. Localized quartz pegmatites. Localized sections with petvasive quartz spider veinlets with sericitic alteration halos. Localized sections with 2-10 mm vugs.	20	0	1	tr to <1
130.8	133.9	UMLAMP Dike	Dark Grey	Fine Grained	Massive	Abundant quartz spider veinlets.	0	0	tr	tr
133.9	146.6	Biotite Felsic Gneiss	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent felsic gneiss (S) and diorite. Altered felsic gneiss (S) at 133.9-134.2m. Quartz pegmatite at 134.2-134.4m. Localized sections with 1-10 mm vugs. Localized quartz spider veinlets with sericitic and/or potassic alteration halos.	30	0	1	<1
146.6	156.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Medium-coarse grained garnet porphyroblasts. Localized quartz spider veinlets with sericitic alteration halos.	30	15	<1	<1 to 1
156.0	159.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium grained blebby pyrite. Localized sections with 1-2 mm vugs with epidote. Abundant quartz spider veinlets with sericitic alteration halos.	20	0	<1	tr to <1
159.3	162.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Weakly-moderately	Localized coarse grained blebby sulphides. Localized quartz spider veinlets.	30	1	<1 to 1	<1
162.0	167.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Vuggy section with epidote at 163.8m. Intermittent sections of in situ breccia near lower contact. Localized quartz spider veinlets with sericitic alteration halos.	20	0	<1 to 1	tr to <1
167.8	172.9	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Abundant quartz spider veinlets. Localized sections of coarse grained patchy amphibole.	5	0	tr to <1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
172.9	177.3	Amphibolite	Grey and Green	Fine-medium	Weakly Foliated	Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets.	<1 to 1	0	<1	tr to <1
177.3	179.7	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Weakly-moderately	Localized medium-coarse grained blebby pyrite. Intermittent sections of amphibolite. Abundant quartz spider veinlets.	5	0	<1 to 1	tr to <1
179.7	183.9	Biotite Felsic Gneiss	Grey	Medium-coarse	Weakly-moderately	Localized medium-coarse grained pyrite. Intermittent amphibole felsic gneiss. Localized quartz spider veinlets.	30	0	<1 to 1	tr
183.9	186.3	Diorite	Grey	Fine-medium	Weakly Foliated	Localized variations in biotite content. Sulphides associated with biotite rich sections. Abundant quartz spider veinlets, some with sericitic alteration halos.	10	0	tr to <1	tr to <1
186.3	189.8	Biotite Felsic Gneiss	Black and grey	Medium-coarse	Weakly-moderately	2-3% disseminated, fine grained, white, acicular mineral. Localized quartz spider veinlets.	30	0	<1	tr
189.8	195.7	Altered Felsic Gneiss (S)	Grey, black and pink	Fine-medium grained	Weakly-moderately well foliated	Localized coarse grained blebby pyrite. Intermittent biotite felsic gneiss and diorite. Abundant sections of pervasive potassic alteration. Localized sections with pervasive quartz spider veinlets and sericitic alteration halos. Localized breccia sections. Abundant quartz spider veinlets.	10	0	<1 to 1	tr
195.7	197.6	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Pyrite content increases near lower contact. Localized quartz spider veinlets with sericitic alteration halos.	40	0	<1 to 1	tr
197.6	200.2	Felsic Gneiss (S)	Grey, black and pink	Medium-coarse grained	Brecciated	In situ breccia with fine grained grey felsic gneiss matrix. Localized sections with potassic alteration of breccia fragments. Localized patchy chlorite. Localized quartz spider veinlets.	15	0	1	tr
200.2	204.0	Amphibolite	Dark Grey	Fine-medium	Weakly Foliated	Localized coarse grained blebby pyrite. Patchy chlorite and 3% sulphides at 200.2-200.7m. Localized quartz spider veinlets.	30	0	1 to 2	<1
204.0	210.4	Diorite	Grey and white	Medium-coarse grained	Massive-weakly foliated	Localized medium-coarse grained blebby pyrite. Localized minor potassic alteration, mainly near lower contact. Localized quartz spider veinlets, some with sericitic and or potassic alteration halos.	10	0	<1 to 1	tr
210.4	215.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent sections of biotite felsic gneiss. Localized sections of in situ breccia. Abundant quartz spider veinlets with potassic and/or sericitic alteration halos.	15	0	<1 to 1	tr
215.3	220.5	Diorite	Grey	Fine-medium	Weakly Foliated	Abundant quartz spider veinlets with sericitic and or potassic alteration halos.	5	0	tr to <1	tr
220.5	225.8	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Weakly Foliated	Coarse grained porphyroblastic amphibole. 10 cm section of felsic gneiss (S) at 224.3m. Localized quartz spider veinlets.	15	0	tr to <1	tr
225.8	230.2	Amphibolite	Black	Fine Grained	Moderately Well Foliated	Localized medium-coarse grained blebby-disseminated pyrite. 3-5 cm thick quartz vein with coarse grained blebby pyrite at 228.6m. Localized quartz spider veinlets. Localized sections with pervasive sericitic alteration.	2 to 3	0	1	tr
230.2	231.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy chlorite at lower contact. Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
231.2	249.8	Amphibolite	Black	Fine Grained	Moderately Well Foliated	Localized medium-coarse grained blebby-streaky sulphides. Localized sections with abundant fine grained disseminated pyrite. Localized quartz spider veinlets.	<1	0	1	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
249.8	251.0	Diorite	Grey	Fine-medium	Weakly Foliated	Localized quartz spider veinlets with sericitic alteration halos.	5	0	tr to <1	tr
251.0	260.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Abundant quartz spider veinlets, some with sericitic and/or potassic alteration halos. <5 cm thick quartz vein at 259.9m. Localized sections with siliceous alteration pervasive quartz spider veinlets with sericitic alteration halos. Localized sections with minor potassic alteration.	10	0	1	tr
260.0	275.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Localized quartz spider veinlets with sericitic and/or potassic alteration halos. EOH	5	0	<1 to 1	tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 609	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 08-Jun-12	Date Completed 01-Jul-12	Date Logged Jun 8-July 1, 2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden	Easting 329986
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304216
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	67.7	Diabase Dike	Black	Fine Grained	Dike	Local zones of chloritic alteration, minor presence of medium grained disseminated pyrite			<<1	
67.7	73.7	K-Altered Felsic Gneiss (S)	Grey and pink	Fine Grained	Moderately Well Foliated	Lower contact (~69m) to altered sedimentary felsic gneiss not present due to 1m of grind. Light grey to grey, medium grained altered sedimentary felsic gneiss with 5-10% chlorite and 2-3% quartz carbonate veinlets. 71.7-72.3m: amphibole felsic gneiss with 30-35% amphibole.	5	0	<<1	Tr
73.7	78.2	K-Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Weakly Foliated		10	0	<<1	Tr
78.2	80.1	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		10	0	<<1	Tr
80.1	91.8	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Containing 5-10% coarse grained muscovite. Intermixed with a medium grained sedimentary felsic gneiss (20%), local quartz veins (5%), and granitic pegmatites (5%).	15	0	Tr	Tr
91.8	96.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		15 to 20	0	<<1	Tr
96.3	103.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous, contains 15-20% coarse grained, sub rounded, quartz grains.	15 to 20	0	<<1	Tr
103.1	131.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous. Local brecciated zone. Moderate fractured zones. Minor to moderate chloritic alteration (3-5%)	15 to 20	0	<1	Tr
131.2	132.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Contains medium to coarse grained sub rounded quartz (20%)	15	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
132.6	167.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Minor sericitic alteration.	15 to 20	0	<1	Tr
167.6	187.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Grey, fine to medium grained sedimentary felsic gneiss with 10-15% biotite and 5-10% chlorite. Minor potassic alteration (2-3%) and moderate-intense silicification (40-45%).	10 to 15	0	<1	Tr
187.5	194.1	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Minor sericitic alteration haloes (5%).	25	0	<1	Tr
194.1	196.8	Diabase Dike	Black	Fine Grained	Dike					
196.8	210.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 10-15% biotite and 5% chlorite. Minor potassic (10%) and sericitic (5-10%) alteration haloes. Clotty medium grained pyrite associated with local chloritic alteration zones.	15	0	<1	Tr
210.5	229.2	Altered Felsic Gneiss (S)	Dark Grey	Medium Grained	Weakly-moderately	Intervals of a dark green, medium grained amphibole felsic gneiss (15%).	25	0	1	Tr
229.2	232.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Moderate silification and minor sericitic alteration haloes (5%).	25	0	<<1	Tr
232.1	242.8	Amphibolite	Dark Green	Fine to medium	Weakly-moderately	Intermixed with a medium grained amphibole felsic gneiss. Quartz carbonate spider veinlets (10%).	15 to 20	0	<1	<1
242.8	261.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		5 to 10	0	<1	<<1
261.9	263.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained chloritic altered biotite felsic gneiss with 55-60% biotite and 10-15% chlorite.	55 to 60	0	<1	<<1
263.2	280.2	Felsic Gneiss (G)	Grey	Medium-coarse	Moderately Well Foliated	Grey, medium to coarse grained granitic felsic gneiss with 10% biotite and 15% muscovite. Minor to moderate sericitic alteration haloes, 15-20%.	10	0	<<1	Tr
280.2	283.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately		15 to 20	0	<<1	Tr
283.5	285.4	Altered Felsic Gneiss (S)	Grey and dark green	Medium Grained	Weakly Foliated		5	0	<1	Tr
285.4	287.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Quartz carbonate veinlets with minor sericitic alteration (5-10%).	15	0	<<1	Tr
287.2	294.4	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Weakly-moderately		35 to 40	0	1	<1
294.4	298.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Unit contains biotite rich intervals (10%). Minor sericitic alteration haloes (5%).	20	0	<1	<<1
298.6	302.1	Biotite Felsic Gneiss	Dark Grey and Dark	Medium Grained	Moderately Well Foliated		55 to 60	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
302.1	314.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10	0	<1	Tr
314.9	320.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed with a medium to coarse grained granitic felsic gneiss.	15		<<1	Tr
320.5	333.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Quartz veins and fragments (15%). Minor sericitic alteration (5-10%).	15	0	<1	Tr
333.5	376.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a medium grained amphibole felsic gneiss (35%).	10 to 15	0	<<1	Tr
376.7	384.1	K-Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Moderately Well Foliated	Local silicified zones (10%). Clotty pyrite associated with quartz-carbonate fragments	20	0	<1	Tr
384.1	421.1	Amphibole Felsic Gneiss	Grey and dark green	Medium Grained	Moderately Well Foliated	Intermixed with a grey, medium grained sedimentary felsic gneiss. Quartz fragments with sericitic and potassic alteration. Local Clotty pyrite found at margins of quartz fragments, disseminated pyrite found throughout (<<1%)	15	0	<<1	<<1
421.1	432.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with amphibole felsic gneiss (same as previous). Quartz veinlets and fragments, sulphides abundant at margins.	15 to 20	0	<1	<1
432.1	433.5	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium-coarse	Weakly-moderately	Quartz-carbonate veinlets with potassic alteration haloes (10%).	10	0	<1 to 1	Tr
433.5	436.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	15 to 20	0		
436.5	438.3	Altered Biotite Felsic Gneiss	Grey and dark green	Medium-coarse	Moderately Well Foliated	Interlayered with a medium to coarse grained quartz feldspar porphyry (25% of unit).	15 to 20	0	<1	Tr
438.3	444.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a dark/light green fine grained amphibolite with 20% biotite and no garnet.	20	0	<1	<1
444.3	449.0	Amphibolite	Dark/Light Green	Fine-medium	Moderately Well Foliated	Interlayered with a medium grained sedimentary felsic gneiss containing 25-39% biotite.	15 to 20	0	<1	<1
449.0	452.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with a medium grained granitic felsic gneiss, moderate sericitic alteration and sericitic alteration haloes. Quartz veinlets (5%, 1-2 cm).	15	0	<1	<<1
452.8	454.8	Altered Biotite Felsic Gneiss	Dark Green and Dark	Medium Grained	Moderately Well Foliated		35	0	<1	Tr
454.8	468.0	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Sericitic alteration haloes (3%).	15 to 20	0	<<1	Tr
468.0	473.9	Clotty Felsic gneiss Amphibolite	Dark Green and Grey	Medium Grained	Moderately Well Foliated		40	5	<1	Tr
473.9	477.5	Altered Biotite Felsic Gneiss	Dark Green and Dark	Medium Grained	Moderately Well Foliated	Interlayered with a grey-dark green-pink, medium grained, chloritic altered garnet biotite felsic gneiss. Minor disseminated and schlieren pyrite (<<1) and pyrrhotite (<1).	35 to 40	10	<<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
477.5	494.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Local zones of chloritic altered biotite felsic gneiss. Sericitic alteration haloes (5%). Quartz veinlets and fragments (10%).	15	0	<1	<<1
494.3	497.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with a chloritic altered sedimentary felsic gneiss (20%). Sulphides associated with zones of chloritic alteration.	15 to 20	0	<1	<1
497.1	503.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained sedimentary felsic gneiss with 15% biotite and intervals of intense silicification. 500.5-501.2: moderate chloritic alteration, local zones of altered garnet biotite felsic gneiss (5%).	15	0	Tr	<1
503.8	511.3	Amphibolite	Grey	Fine-medium	Moderately Well Foliated	Intermixed with a grey, fine to medium grained sedimentary felsic gneiss with 20% biotite (45% of unit).	10	15	Tr	<1
511.3	512.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		15	0	Tr	Tr
512.3	518.4	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated		10	15	Tr	<1
518.4	525.2	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly Foliated	Local zones of silification (3%).	15	3 to 5	<<1	Tr
525.2	544.0	Amphibolite	Grey and light green	Fine-medium	Moderately Well Foliated	Quartz-carbonate fragments (5%). Pyrite associated with quartz fragments.	5	10	<<1	<<1
544.0	545.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Grey, fine grained, sedimentary felsic gneiss with 20% biotite and <2% garnet.	20	<2	Tr	<1 to 1
545.6	547.9	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated		5	15 to 20	Tr	<1
547.9	549.1	Quartz Feldspar Porphyry (QFP)	Grey and white	Medium-coarse	Weakly-moderately		10	0	Tr	Tr
549.1	574.2	Amphibolite	Dark/Light Green and	Fine to medium	Moderately Well Foliated	Same as previous.	5 to 10	25	Tr	<1
574.2	580.4	Diorite	Grey	Coarse Grained	Moderately Well Foliated		10	0	Tr	Tr
580.4	609.0	Amphibolite	Dark\Light green and	Fine-medium	Weakly Foliated	End of hole.	5	25 to 30	Tr	<<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 503	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08-Jun-12	Date Completed 27-Jun-12	Date Logged Jun 9-Jun 28, 2012	Logged By Daniela Marcoux	(m) degrees	(m) degrees	Property Name Borden	Easting 331259
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303519
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.0	Casing				Overburden bedrock, trace sulphides(including chalcopyrite)				
9.0	37.5	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately well foliated	Subanguar felsic gneiss clots vary in size from <1-15cm elongate with trace sulphides, trace vhalcopyrite in zones of increased pyrite mineralization, yellow sphalerite veinlet at 25.4m depth, 1-2% carbonate replacement veinlets, 2-3% chloritic alteration	25 to 30	0	<1	Tr
37.5	45.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Coarse subrounded quartz/plagioclase grains(2-3%) increasing downhole, chlorite altered UM/LAMP dike(42.1-42.7m) with very fine grained disseminated and coarse euhedral pyrite crystals within(1-2%), 2-3% potassic and sericitic alteration	5 to 7	0	1 to 2	Tr
45.4	55.0	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium	Weakly-moderately	Similar to 9.0-37.5m interval with less sulphide mineralization, grain size decreases downhole	25 to 30	0	Tr	Tr
55.0	68.6	Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly Foliated	Vuggy with well developed fine-medium euhedral pyrite, amphibole increases downhole with clotty amphibolite interval(56.4-57.2m), 2-3% sericitic alteration	5 to 7	0	1 to 2	Tr
68.6	81.9	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Weakly-moderately	Similar to 9.0-37.5m interval, 5mm quartz-carbonate vein from 75.5-75.8 with 1-2% yellow sphalerite within and at contact of vein	25 to 30	0	Tr	Tr
81.9	98.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	3-5% potassic and 2-3% serucitic alteration surrounfong quartz-carbonate veinlets	5 to 7	0	1 to 2	Tr
98.4	115.1	Clotty Felsic gneiss Amphibolite	Dark Green	Fine-medium grained	Weakly-moderately well foliated	Similar to 9.0-37.5m interval, 5mm quartz carbinate veun(104.6-105.0m) with <1-1% sphalerite, pegmetite selveges in botyom 5m with <1-1% clotty sulphides including chalcopyrite	20 to 25	0	Tr	Tr
115.1	142.7	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Similar to 81.9-98.4m interval, pegmetite selveges(<20cm) with <1% clotty sulphides, potassic alteration decreases downhole	7 to 10	0	1 to 2	<1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
142.7	154.1	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium grained	Weakly-moderately well foliated	Medium-coarse subrounded quartz plagioclase crystals, more altered zones have secondary brecciated texture with carbonate infill in fractures, alteration increases downhole	5 to 7	0	<1 to 1	Tr
154.1	158.7	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Trace chalcopyrite within pyrrhotite clots, 1-2% carbonate replacement veinlets, 2-3% chloritic and 1-2% sericitic alteration	3 to 5	0	1	<1 to 1
158.7	163.6	Felsic Gneiss (S)	Grey	Fine-medium	Massive-weakly	Amphibole increases downhole, medium-coarse subrounded quartz crystals(2-3%), 1-2% sericitic alteration	7 to 10	0	<1 to 1	Tr
163.6	170.9	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly-moderately	Similar to 154.1-158.7m	5 to 7	0	<1 to 1	<1
170.9	185.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Pegmatite selvages(<30cm) and amphibole intermixing in upper 3m and towards lower contact, 3-5% potassic alteration	7 to 10	0	1 to 2	<1
185.3	202.2	Amphibolite	Dark Green	Fine Grained	Moderately well-well Foliated	Moderately blocky and vuggy, sulphides increase downhole, carbonate altered sedimentary gneiss interlayers(<1m) with <1% sulphides, 3-5% carbonate stringer veinlets, 1-2% epidote, 1-2% sericitic alteration	5 to 7	0	1 to 2	Tr
202.2	207.7	Clotty Felsic gneiss Amphibolite	Dark Green	Medium Grained	Moderately well-well	Grain size decreases downhole, felsic gneiss banding(<3cm), 2-3% carbonate stringer veins, 3-5% potassic alteration increasing downhole	20 to 25	0	<1	Tr
207.7	212.0	Diorite	Grey, white, and pink	Fine-medium	Weakly Foliated	Completely altered(potassic and sericitic) in bottom 1.5m and strongly altered throughout, 2-3% carbonate infill brecciated fractures	15 to 20	0	<1	Tr
212.0	219.5	Diabase Dike	Black and white	Fine-medium	Dike	5-7% carbonate replacement in groundmass	1 to 2	0	Tr	0
219.5	234.2	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Amphibole interlayers(<40cm) with 1-2% sulphides and trace chalcopyrite, diorite intrusion(1.1m) at 221.1m with <1% sulphides, 3-5% sericitic alteration	7 to 10	0	<1 to 1	<1 to 1
234.2	237.4	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Trace chalcopyrite within pyrrhotite clots, 1-2% carbonate spider veinlets	5 to 7	0	<1 to 1	<1 to 1
237.4	252.8	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately well-well	Similar to 219.5-234.2m interval with increased sulphides, local biotite bands(<2cm)	7 to 10	0	1 to 2	1 to 2
252.8	254.7	Diorite	Grey and white	Medium Grained	Weakly-moderately		20 to 25	0	<1	Tr
254.7	256.3	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Sulphides increase downhole, 1-2% chloritic alteration	5 to 7	0	1 to 2	<1 to 1
256.3	270.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Local biotite bands(<1cm) with increased sulphide mineralization, amphibole gneiss interlayers(<1m) with 1-2% sulphides, and trace yellow disseminated sphalerite at contact(262.5m) of interlayer, 2-3% sericitic alteration	10 to 15	0	<1 to 1	<1
270.0	271.5	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Sulphides localized within 30cm of contacts	10 to 15	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
271.5	293.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Similar to 256.3-270.0m interval, <1-1% fine grained disseminated galena in 272.6-273.0m interval within quartz vein and at unit contact, 2-3% potassic alteration	10 to 15	0	<1	<1
293.8	296.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	1-2% sericitic alteration	10 to 15	0	<1	<1
296.7	301.1	Amphibole Felsic Gneiss	Dark Green	Fine Grained	Moderately well-well	Clotty sulphide mineralization at contacts of pegmatite selvages(<5cm), trace chalcopryrite within sulphide clots, 1-2% chloritic alteration	10 to 15	0	1 to 2	1 to 2
301.1	303.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed with sulphide rich amphibole gneiss similar to overlying in lower 1m, local biotite bands(<1cm) with increased sulphides	10 to 15	0	<1	<1
303.7	305.7	Diorite	Dark Grey	Fine-medium	Moderately Well Foliated	Amphibole banding(<2cm)	15 to 20	0	<1	Tr
305.7	316.1	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately well-well Foliated	Interlayering of sulphide rich amphibole gneiss(similar to 296.7-301.1m interval) and sedimentary gneiss (similar to 301.1-303.7m interval), interlayers vary from <10cm-2.0m where amphibole gneiss is most abundant interlayer(60%), visible gold mineralization at 312.1m depth in amphibole gneiss interlayer(310.5-312.5m) in vicinity of clotty sulphides and white quartz vein fragments	10 to 15	0	1 to 2	1 to 2
316.1	320.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Grain size decreases downhole, amphibole mineralization in lower 1m, local biotite zones(<5cm) with garnet and increased sulphide mineralization, 1-2% sericitic alteration	15 to 20	Tr	<1 to 1	<1
320.1	323.6	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Sulphide rich unit with fine grained massive clots(<4cm) of sulphides at contacts of quartz veins, <1% chalcopryrite and trace galena, 2-3% chloritic alteration	5 to 7	0	2 to 3	2 to 3
323.6	328.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Local biotite zones(<7cm) with increased sulphides, amphibole mineralization in lower 1.5m	15 to 20	0	1 to 2	1 to 2
328.7	334.5	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Interlayers of garnet biotite gneiss(<15cm) with <1% sulphides, barren pegmatite selvages(<20cm), variably altered throughout with 3-5% potassic, 2-3% chloritic and 1-2% sericitic alteration	5 to 7	<1	<1	<1 to 1
334.5	337.1	Altered Garnet Biotite Felsic Gneiss	Grey	Fine-medium	Moderately Well Foliated	Barren pegmatite selvages(<5cm), 5-7% potassic 1-2% chloritic and 15-20% sericitic alteration	50 to 60	5 to 7	<1	Tr
337.1	339.5	Garnet Biotite Felsic Gneiss	Dark Green	Fine-medium	Moderately well-well	Similar to overlying but weakly altered, garnets vary from fine-coarse grained, 20cm QFP interval at upper contact, 2-3% sericitic alteration	50 to 60	5 to 7	<1 to 1	Tr
339.5	347.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately well-well Foliated	Amphibole gneiss interlayer(342.4-343.6m) with 1-2% fine grained sulphides, sedimentary gneiss interlayers(344.0-345.0m, 345.5-346.1m) with local biotite bands with increased sulphides	50 to 60	5 to 7	<1 to 1	<1
347.6	356.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Biotite increases downhole with local bands of increased sulphides, amphibole banding(<2cm), 2-3% sericitic alteration	20 to 25	<1	<1 to 1	<1 to 1
356.6	366.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately well-well Foliated	Garnets vary from fine-coarse grained, pegmatite selvages(<5cm) and quartz veins(<5cm) with coarse biotite and clotty sulphides at contacts, trace chalcopryrite within pyrrhotite clots	50 to 60	5 to 7	1 to 2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
366.6	371.7	Felsic Gneiss (S)	Grey	Very Fine-fine grained	Moderately well-well	Local biotite bands(<1cm) with garnet and increased sulphide mineralization, 2-3% sericitic alteration	15 to 20	<1 to 1	1 to 2	<1
371.7	379.3	Diorite	Grey and white	Fine-medium	Moderately well-well	Grain size decreases downhole, amphibole gneiss interlayers(<1m) with 1% sulphides, 2-3% sericitic alteration	15 to 20	0	<1	<1
379.3	393.7	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately well-well	White quartz veins(<15cm) with trace clotty sulphides, amphibole banding(<3cm) increasing downhole, 1-2% sericitic alteration	10 to 15	0	<1	Tr
393.7	396.8	Amphibolite	Dark\Light green and	Fine-medium	Moderately well-well	Footwall amphibolite with trace chalcopyrite within pyrrhotite clots, 3-5% chloritic alteration	2 to 3	10 to 15	Tr	<1
396.8	399.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Biotite decreases downhole, 1-2% sericitic alteration	7 to 10	0	Tr	Tr
399.9	418.4	Amphibolite	Dark\Light green and pink	Fine-medium grained	Moderately Well Foliated	Intermixed with fine grained biotite rich sedimentary gneiss(<50cm), trace chalcopyrite within pyrrhotite clots increased in garnet rich(15-20%) zones(<40cm), garnets vary from fine-coarse, 2-3% chloritic alteration	7 to 10	3 to 5	Tr	<1 to 1
418.4	423.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Local biotite bands(<2cm) with increased sulphide mineralization, amphibole decreases downhole, barren light pink coarse grained pegmatite between 421.6-423.0m with 1-2% biotite, gneiss grain size increased within 50cm of pegmatite	7 to 10	2 to 3	<1	<1
423.7	432.5	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Similar to 399.9-418.4m interval with more garnet rich footwall amphibolite and increased sulphides, 2-3% chloritic alteration	3 to 5	5 to 7	<1	<1 to 1
432.5	435.5	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Local coarser grained zones(<10cm) with decreased biotite, local biotite bands(<2cm), 2-3% sericitic alteration	20 to 25	<1	<1	<1
435.5	439.5	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Fine grained biotite gneiss between 436.0-436.5m interval with <1% sulphides, 1-2% sericitic alteration	10 to 15	0	Tr	<1
439.5	442.1	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately well-well	Trace sulphide quartz veins(<40cm) throughout with clotty pyrrhotite at contacts, trace chalcopyrite within pyrrhotite clots	40 to 50	0	Tr	<1 to 1
442.1	463.7	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Sillimanite decreases downhole, local biotite vands(<2cm) and zones(<20cm) barren white quartz veins(<5cm) throughout	10 to 15	Tr	Tr	<1
463.7	470.9	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Footwall amphibolite with increased zones of biotite mineralization(<30cm), trace chalcopyrite within pyrrhotite clots, fine-medium grained garnet crystals, 3-5% chloritic alteration	3 to 5	5 to 7	Tr	<1
470.9	472.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Local biotite bands(<1cm) with increased sulphide mineralization, 2-3% sericitic alteration	10 to 15	0	Tr	Tr
472.3	503.0	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Similar to 463.7-470.9m interval, barren diorite intervals(478.1-479.0m, 480.8-481.8m), barren QFP interval(485.3-486.3m), grey quartz vein(30cm) at 491.0m with 1-2% clotty sulphides, 2-3% sericitic and 1-2% chloritic alteration. End of Hole.	3 to 5	5 to 7	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 260	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 09-Jun-12	Date Completed 11-Jun-12	Date Logged June 9-11 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329600
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304245
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.1	Casing								
21.1	26.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized medium-coarse grained blebby pyrite. Localized quartz spider veinlets. Section of garnet biotite felsic gneiss with 1-2% fine grained schlieren-disseminated pyrite at 25.5-25.8m.	10	<1	1	tr to <1
26.1	47.5	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Localized sections of felsic gneiss (S) containing majority of sulphides. Intermittent sections with 20% bundles of fine grained acicular sillimanite. Intermittent sections of potassic alteration. Abundant quartz spider veinlets with potassic alteration halos. Localized felsic pegmatite.	5	0	<1	tr
47.5	49.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	1	tr
49.9	58.0	Quartz Feldspar Porphyry (QFP)	Grey and white	Fine-medium	Weakly-moderately	Coarse grained phenocrysts. Localized quartz spider veinlets with potassic alteration halos.	15	0	<1	tr
58.0	62.0	Diorite	Grey and white	Medium-coarse	Weakly-moderately	Localized quartz spider veinlets with potassic alteration halos.	15	0	tr to <1	tr
62.0	73.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized coarse grained blebby pyrite. Localized section with in situ breccia with biotite concentrated in matrix. Unit becomes medium-coarse grained near lower contact. Fine-medium grained porphyroblastic amphibole felsic gneiss at 66.8-67.6m. Medium-coarse grained diorite at 63.0-63.4m and 63.7-64.5m. Localized quartz spider veinlets with sericitic and/or potassic alteration halos.	15	0	<1 to 1	tr to <1
73.4	74.3	Quartz Feldspar Porphyry (QFP)	Grey and white	Fine-medium	Weakly Foliated	Localized quartz spider veinlets with potassic alteration halos.	15	0	tr to <1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
74.3	76.6	Diabase Dike	Dark Grey	Fine Grained	Massive	Localized quartz spider veinlets.	0	0	tr	tr
76.6	80.8	Diorite	Grey, white, and pink	Medium-coarse grained	Massive-weakly foliated	Localized sections with potassic alteration of feldspar phenocrysts. Localized quartz spider veinlets with intense potassic and sericitic alteration halos. Altered diorite from top contact to 77.1m.	15	0	tr	tr
80.8	90.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Epidote mineralization near upper contact. Localized patches or sericitic alteration. Abundant quartz spider veinlets with sericitic alteration. Localized <10 cm vugs with medium-coarse grained quartz and fine grained pyrite. Localized quartz pegmatites.	10	0	1	<1
90.6	93.1	Diorite	Grey and white	Medium-coarse	Weakly Foliated	Localized quartz spider veinlets with sericitic alteration halos.	20	0	<1	tr
93.1	96.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Fine-medium grained amphibole porphyroblasts. Localized quartz spider veinlets, some with potassic alteration halos.	10	0	tr	tr
96.7	121.6	Diorite	Grey and white	Medium-coarse grained	Weakly Foliated	<10 cm section of felsic gneiss (S) with <1-1% pyrite at 104.6m. Quartz vein with <1-10 cm vugs at 107.7m. Abundant quartz spider veinlets with potassic and/or sericitic alteration halos. Localized sections with minor potassic alteration of feldspar phenocrysts. Localized quartz pegmatites.	15	0	tr	tr
121.6	124.2	Diorite	Grey	Fine-medium	Weakly-moderately	Abundant vuggy sections with elongate vugs parallel to foliation. Quartz spider veinlets with potassic alteration halos at lower contact.	10	0	tr	tr
124.2	137.8	Diorite	Grey and white	Medium-coarse	Weakly Foliated	Quartz vein at 126.7-127.3m. Localized quartz pegmatites. Localized quartz spider veinlets. Localized sections of minor potassic alteration of feldspar phenocrysts.	15	0	tr	tr
137.8	140.3	Amphibole Felsic Gneiss	Grey and Green	Fine-medium grained	Moderately Well Foliated	Fine-medium grained porphyroblastic amphibole. Abundant quartz spider veinlets, some with potassic alteration halos. Medium-coarse grained diorite at 139.2-139.6m. Localized <5 cm vugs.	10	0	tr	tr
140.3	142.0	Diorite	Grey, white, and pink	Medium-coarse grained	Weakly Foliated	Intermittent fine-medium grained, porphyroblastic amphibole felsic gneiss. Localized sections with minor potassic alteration of feldspar phenocrysts. Localized quartz spider veinlets, some with potassic alteration halos.	15	0	tr	tr
142.0	152.5	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Abundant quartz spider veinlets with sericitic alteration halos. UMLAMP dike at 150.6-150.7m and 152.0-152.3m. Intermittent sections of fine-medium grained felsic gneiss (S).	10	0	1	tr to <1
152.5	154.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Abundant quartz spider veinlets with sericitic alteration halos.	15	0	tr to <1	tr
154.7	165.5	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Localized sections of in situ breccia. Localized <1-5 cm vugs. Abundant quartz spider veinlets, some with sericitic alteration halos.	10	0	<1 to 1	tr
165.5	171.0	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Weakly-moderately well foliated	Localized medium-coarse grained blebby pyrite. Pervasive sericitic alteration. Pervasive quartz spider veinlets with sericitic alteration halos. Localized vuggy sections with mm to cm scale vugs and epidote. Localized quartz pegmatites.	10	0	1 to 2	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
171.0	181.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Localized fine grained streaky pyrite. Intermittent sections of amphibolite and biotite felsic gneiss. Pervasive quartz spider veinlets with sericitic alteration halos. Localized biotite quartz pegmatite at 174.1m.	10	0	1	tr
181.7	187.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby pyrite. Localized <1-10 cm bands of amphibolite. Abundant quartz spider veinlets with sericitic alteration halos.	20	<1 to 1	<1	tr to <1
187.0	194.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Localized fine grained schlieren pyrite. Fine-medium grained amphibole porphyroblasts. Localized quartz spider veinlets.	10	0	<1 to 1	<1
194.7	195.6	UMLAMP Dike	Dark Grey	Fine-medium	Massive	Localized quartz spider veinlets.	0	0	tr	tr
195.6	196.9	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets. Felsic gneiss (S) at 196.3-196.9m.	10	0	tr to <1	tr
196.9	198.3	UMLAMP Dike	Dark Grey	Fine-medium	Massive	Abundant quartz spider veinlets. 1-10 cm xenocrysts of fine-medium and medium-coarse grained felsic gneiss (S).	0	0	tr	tr
198.3	200.2	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Weakly-moderately	Pervasive quartz spider veinlets with potassic alteration halos. Abundant potassic alteration.	10	0	tr to <1	tr
200.2	201.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	10	0	tr to <1	tr
201.2	205.3	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Abundant quartz spider veinlets. Felsic gneiss (S) at 202.5-203.3m.	10	1	<1	tr to <1
205.3	207.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
207.7	210.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Abundant quartz spider veinlets.	5	0	<1 to 1	tr
210.0	213.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic and/or potassic alteration halos.	10	0	<1	tr
213.0	226.5	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Localized quartz spider veinlets with sericitic alteration halos.	2 to 3	<1	1 to 2	tr
226.5	229.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
229.9	232.8	Diorite	Grey and white	Medium-coarse	Weakly Foliated		15	0	tr	tr
232.8	233.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Weakly-moderately	Localized medium grained blebby-streaky pyrite.	15	0	<1 to 1	tr to <1
233.7	239.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby pyrite. Intermittent sections of amphibole felsic gneiss. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
239.2	241.1	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby-streaky pyrite. Intermittent sections of felsic gneiss (S). Localized quartz spider veinlets with sericitic alteration halos.	5	0	<1 to 1	tr to <1
241.1	245.7	Diorite	Grey and white	Medium-coarse	Massive-weakly	Localized medium-coarse grained blebby pyrite. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
245.7	250.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Localized epidote mineralization. Localized quartz spider veinlets.	2 to 3	0	<1 to 1	tr to <1
250.7	255.9	Diorite	Grey and white	Medium-coarse	Weakly Foliated	Localized quartz spider veinlets with potassic alteration halos. Localized sections with minor potassic alteration of feldspar phenocrysts.	10	0	<1	tr
255.9	260.0	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets. EOH	3 to 5	0	<1	tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 180	Total Depth (m) 176	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 11-Jun-12	Date Completed 26-Jun-12	Date Logged June 11-27 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304030
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	26.9	Casing								
26.9	42.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby-streaky pyrite. Localized vuggy sections with mm to cm scale vugs. Localized sections with pervasive quartz spider veinlets with sericitic and/or potassic alteration halos. Localized quartz spider veinlets with sericitic alteration halos. 50 cm diorite section at 35.7-36.2m.	10	<1 to 1	<1 to 1	tr
42.7	52.1	Amphibolite	Grey and Green	Fine-medium	Moderately Well Foliated	Intermittent sections with medium coarse grained biotite. Localized quartz spider veinlets. <1 cm thick quartz vein with silicious alteration halo at 50.5m.	3 to 5	0	<1	tr to <1
52.1	58.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized coarse grained disseminated. <10 cm thick quartz vein at 55.9m. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
58.0	62.7	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Moderately Well Foliated	Intermittent felsic gneiss (S) near lower contact. Localized quartz spider veinlets. <10cm quartz vein at 62.1m. Unit grades into an amphibolite near lower contact.	20	0	tr to <1	tr
62.7	68.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized medium-coarse grained blebby-streaky pyrite. Intermittent sections of amphibolite. Localized quartz pegmatites with coarse grained blebby sulphides at margins. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1 to 1	tr
68.7	78.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Abundant quartz spider veinlets with sericitic alteration halos. Biotite rich (30%) amphibole felsic gneiss at 75.3-75.8m.	5	0	tr to <1	tr
78.9	103.8	Amphibolite	Grey and Green	Fine-medium grained	Moderately Well Foliated	Abundant medium-coarse grained blebby-streaky sulphides. Abundant quartz spider veinlets. Intermittent sections with coarse grained biotite in bottom half of unit. Vuggy section with mm scale vugs at 103.5m.	2	0	<1 to 1	<1 to 1
103.8	115.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby-streaky pyrite. Abundant quartz spider veinlets with sericitic alteration halos. Localized quartz pegmatites.	10	0	<1 to 1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
115.0	116.7	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets. Intermittent felsic gneiss (S).	10	<1	<1	tr to <1
116.7	128.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Intermittent sections of amphibole felsic gneiss. Localized sections of pervasive quartz spider veinlets with sericitic and potassic alteration. Localized quartz spider veinlets with sericitic alteration halos.	10	0	tr to <1	tr
128.8	131.3	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets.	2 to 3	0	tr to <1	<1
131.3	140.5	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized coarse grained blebby pyrite. Patchy crystals of amphibole near bottom contact. Localized <1-2 cm vugs. Localized quartz spider veinlets with sericitic and/or potassic alteration halos.	20	0	<1 to 1	tr to <1
140.5	147.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized coarse grained disseminated pyrite. Localized sections of medium-coarse grained felsic gneiss (S). Localized quartz pegmatites. Localized quartz spider veinlets with sericitic and/or potassic alteration halos. Localized sections with 1-3 mm vugs.	10	0	<1 to 1	tr
147.4	152.8	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized coarse grained disseminated pyrite. Localized coarse grained blebby pyrite. 1-2 mm thick pyrite vein at 150.9m. Localized sections with <1-2 cm vugs. Localized quartz pegmatite. Localized quartz spider veinlets with sericitic alteration halos.	10	<1	<1 to 1	tr
152.8	155.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately well-well	Localized coarse grained blebby sulphides. Localized quartz spider veinlets.	40	1 to 2	<1 to 1	<1
155.8	158.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermittent sections of felsic gneiss (G). 20 cm section with 20-30% biotite and medium grained blebby sulphides at 157.8-158.0m. Localized quartz pegmatites.	10	0	tr to <1	<1
158.2	160.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Quartz vein at 159.4-159.6m. Biotite content varies across the unit.	30	2	<1	tr to <1
160.5	168.9	Biotite Felsic Gneiss	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent sections containing amphibole. Amphibolite at 165.6-166.6m. Coarse grained patchy biotite felsic gneiss at 163.6-164.8m. Localized quartz pegmatites. Localized quartz spider veinlets with sericitic alteration halos.	30	0	<1	tr to <1
168.9	176.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Localized sections of patchy amphibole. Localized quartz pegmatites. EOH	10	0	<1	tr to <1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 180	Total Depth (m) 212	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 27-Jun-12	Date Completed 28-Jun-12	Date Logged June 27-28 2012	Logged By Gordon McFadden	(m) degrees	(m) degrees	Property Name Borden	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304030
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	26.7	Casing								
26.7	90.8	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Localized variations in grain size and foliation development. Intermittent sections with 5-10% coarse grained muscovite crystals at 35-45m. Garnet is associated with biotite rich sections. Pyrite is associated with biotite rich sections. Localized sections with abundant quartz spider veinlets with sericitic alteration halos. Localized sections with <1 cm vugs. Localized quartz pegmatites, some with coarse grained blebby pyrite. Quartz vein at 55.9-57.0m. Intermittent sections of amphibolite at 85.7-90.8m.	10	1	<1 to 1	tr
90.8	118.0	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized medium grained streaky pyrite. Localized coarse grained blebby pyrite. Abundant quartz spider veinlets with sericitic alteration halos. Localized sections with <1 cm vugs. Localized quartz pegmatites.	10	0	1	tr
118.0	121.4	Felsic Gneiss (G)	Grey	Medium-coarse	Moderately Well Foliated	Intermittent sections of felsic gneiss (S). Localized minor potassic alteration. Localized quartz pegmatite. Localized quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
121.4	133.9	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately well-well Foliated	Localized medium-coarse blebby sulphides. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic and/or alteration halos. Localized <1 cm vugs. Medium-coarse grained quartz crystals elongated parallel to foliation at 133.0-133.9m.	10	0	<1 to 1	tr
133.9	138.3	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium grained	Weakly Foliated	Pervasive siliceous alteration. Pervasive quartz spider veinlets with potassic alteration halos. Abundant sub-parallel quartz-carbonate veins <1-5 cm thick that sub-parallel to the S1 foliation.	1 to 2	0	<1	tr
138.3	145.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Localized fine-medium grained streaky pyrite. Localized sections with coarse grained quartz crystals. Pervasive quartz spider veinlets with sericitic and/or potassic alteration halos. Localized quartz pegmatites.	10	0	tr to <1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
145.2	149.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby sulphides. Intermittent sections of amphibolite. Localized quartz spider veinlets.	10	<1	1	<1
149.4	161.3	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermittent sections of garnet biotite felsic gneiss with 2% medium grained sulphides at 149.4-153.0m. Intermittent sections of felsic gneiss (G) below 156m. Abundant quartz spider veinlets with sericitic and/or potassic alteration halos. Localized quartz pegmatites. Localized <1 cm vugs.	15	2	<1 to 1	tr to <1
161.3	172.5	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Intermittent sections of felsic gneiss (S). Localized quartz spider veinlets. Localized sections with <1 cm vugs. Localized quartz pegmatites.	10	0	tr to <1	tr
172.5	179.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized medium-coarse grained blebby pyrite. <3 mm thick pyrite vein at 173.2m. Localized quartz spider veinlets and quartz pegmatites.	10	1 to 2	<1 to 1	tr
179.9	181.6	Felsic Gneiss (G)	Grey	Fine-medium	Weakly-moderately	Intermittent sections of felsic gneiss (S).	10	0	<1	tr
181.6	192.2	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite. Localized variations in grain size and foliation development. Localized sections of felsic gneiss (G). Abundant quartz spider veinlets with sericitic alteration halos. Localized quartz pegmatites.	5 to 10	<1	<1 to 1	tr
192.2	195.4	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Weakly-moderately	Localized medium-coarse grained blebby pyrite. Intermittent sections of biotite felsic gneiss near lower contact. Localized quartz spider veinlets. Localized <1 cm vugs.	5	0	<1 to 1	tr to <1
195.4	197.4	Felsic Gneiss (S)	Grey	Fine-medium	Brecciated	In situ breccia with biotite concentrated in between fragments. 5 cm section of biotite felsic gneiss with 1-2% fine grained blebby sulphides. Localized quartz spider veinlets.	10	0	<1	tr
197.4	200.2	Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Intermittent sections of amphibolite. Localized quartz spider veinlets.	30	0	<1	tr to <1
200.2	205.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well-well Foliated	Localized medium grained blebby-streaky pyrite. Localized variations in grain size and foliation development. Localized quartz pegmatites. 20 cm of siliceous alteration at 201.4 on the bottom contact of a quartz pegmatite. Abundant quartz spider veinlets with sericitic alteration halos.	10	0	<1	tr
205.2	210.1	Diorite	Grey and white	Medium-coarse	Weakly Foliated	Localized coarse grained blebby pyrite. Localized quartz spider veinlets with sericitic and/or potassic alteration halos. 2 cm thick UMLAMP dike at 205.8m.	15	0	<1	tr
210.1	212.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	Localized variations in grain size. Localized quartz pegmatites. Abundant quartz spider veinlets with sericitic alteration halos. EOH	5	0	tr to <1	tr



**Diamond
Drilling
Log**

Hole No
DDH.
BN12-19

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Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 245	Total Depth (m) 5	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 19-Jan-12	Date Completed 19-Jan-12	Date Logged Jan.22 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 327775
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305839
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	5.0	Amphibolite	Dark green, black and	Fine Grained	Moderately Well Foliated	Driller's finished casing, engine blown, hole ended due to new drill requiring casing to be put in again due to it being setup differently.	5	5	>1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 245	Total Depth (m) 316	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 22-Jan-12	Date Completed 26-Jan-12	Date Logged Jan.23-27 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 327775
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305839
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	8.8	Casing								
8.8	87.8	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated		5	5	1	Tr
87.8	121.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	3-5% coarse grained blebby pyrrhotite-pyrite, and fine grained schlieren. Prevalent sericitic alteration, and silicified brecciated sections.	10	0	2	3
121.9	143.0	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Pervasive sericitic alteration.			>1	Tr
143.0	146.4	Graphitic Schist	Dark Grey	Fine Grained	Well Foliated	Disseminated, schlieren, and blebby pyrrhotite-pyrite. Fine grained graphite in the matrix, and along numerous fracture planes. Localized quartz-carbonate veins\veinlets.	1	0	1	1
146.4	176.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Broken blocky core, fracture planes, and localized quartz-carbonates veins\veinlets. 172m- Amphibolite interlayer.	5	0	>1	Tr
176.0	196.4	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated		5	5	1	Tr
196.4	225.3	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Pervasive quartz spider veinlets, potassic alteration. Sections of broken blocky core.	5	0	>1	Tr
225.3	236.7	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Pervasive quartz-carbonate spider veinlets.	5	5	Tr	Tr
236.7	246.5	Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately	Sericitic alteration.	5	0	>1	Tr
246.5	295.2	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed felsic gneiss (s) interlayers.	5	5	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
295.2	298.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz spider veinlets and veins.	5	0	1	Tr
298.6	316.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Pervasive sericitic alteration sections.	5	5	1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 436	Bearing of Hole from true North 315	Total Depth (m) 313	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 27-Jan-12	Date Completed 02-Feb-12	Date Logged Jan.28-Feb.2 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328081
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305982
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	5.5	Casing								
5.5	110.4	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Sections of broken blocky core, quartz-carbonate veins.	5 to 10	5	Tr	>1 to 1
110.4	168.2	Ultramafic	Black and green	Fine-medium grained	Massive	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the bre	1	0	Tr	<1 to 1
168.2	174.8	Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Coarse blebs and veins of pyrrhotite.	5	1	Tr	2
174.8	262.3	Ultramafic	Grey and Green	Fine-medium	Banded	Same as previous. 204m- 10 cm Band of pyrrhotite and amphibole.	2	0	Tr	<1
262.3	269.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Well Foliated	Fine-very fine grained sulfides are associated with crystals of biotite.	10	0	<1	<1
269.6	313.0	Amphibolite	Grey and Green	Fine Grained	Moderately well-well	Intermixed felsic gneiss, and chlorite altered sections.	10	1	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 436	Bearing of Hole from true North 315	Total Depth (m) 352	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 02-Feb-12	Date Completed 23-Feb-12	Date Logged Feb.3-23 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328081
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305982
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.3	Casing								
4.3	115.1	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized chlorite alteration and broken blocky sections of core.	10	5	Tr	<1 to 1
115.1	167.5	Ultramafic	Black and green	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the bre	2	0	Tr	<1
167.5	171.3	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized quartz-carbonate veinlets.	2	0	Tr	3
171.3	266.4	Ultramafic	Black and grey	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the bre	2	0	<1	<1 to 1
266.4	269.8	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized quartz spider veinlets.	10	0	<1	<1
269.8	279.7	Ultramafic	Black and grey	Fine Grained	Banded	Same as previous.	2	0	<1	<1
279.7	289.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant quartz spider veinlets.	10	0	<1 to 1	<1 to 1
289.9	296.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized quartz-carbonate veinlets and sericite alteration.	2	5	<1 to 1	<1 to 1
296.0	301.0	Ultramafic	Black and grey	Fine Grained	Banded	Same as previous.	2	0	Tr	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
301.0	316.5	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed fine grained metasedimentary sections.	5 to 10	3	Tr	<1
316.5	327.4	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Numerous quartz spider veinlets with intense sericitic alteration haloes. Localized fine-medium grained pyrrhotite blebs mainly associated with quartz veins and clots.	10	2	Tr	>1 to 1
327.4	352.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized UMLAMP Dike sections.	5	10	Tr	1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 434	Bearing of Hole from true North 315	Total Depth (m) 307	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 23-Feb-12	Date Completed 27-Feb-12	Date Logged Feb.23-27 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328374
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306212
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.5	Casing								
4.5	41.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Broken-blocky core, numerous quartz-carbonate spider veinlets. Intermixed cm-scale bands of felsic gneiss (s) near the upper contact of the unit.	5 to 10	2	>1 to 1	>1 to 1
41.0	59.4	Ultramafic	Black and grey	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite.	0	0	>1	>1
59.4	100.9	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Localized quartz-carbonate veinlets. Localized cm-scale sections of 1-2% pyrrhotite.	5	5	>1	1
100.9	178.0	Ultramafic	Black and grey	Fine-medium grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite.	1	0	>1	1
178.0	185.2	Diabase Dike	Black	Fine Grained	Massive					
185.2	222.7	Ultramafic	Black and grey	Fine Grained	Well Foliated	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite.	1	0	Tr	Tr
222.7	224.2	UMLAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
224.2	277.3	Ultramafic	Black and grey	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite.	1	0	>1 to 1	>1 to 1
277.3	280.0	Amphibolite		Fine Grained	Moderately Well Foliated	277.5m- 10 cm quartz-carbonate vein with up to 1.5 cm blebs of pyrite.	3	0	2	Tr
280.0	296.4	Diabase Dike	Black and white	Fine Grained	Massive	288.7m- quartz spider veinlet with medium grained blebby pyrrhotite pyrite.				
296.4	307.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized quartz veins, and spider veinlets.	3	4	1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 434	Bearing of Hole from true North 315	Total Depth (m) 313	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 27-Feb-12	Date Completed 02-Mar-12	Date Logged Feb.28-Mar.2 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328374
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306212
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	7.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Localized quartz carbonate veins.	2	>1	Tr	1
7.0	9.9	UMLAMP Dike	Black and white	Fine Grained	Massive					
9.9	54.4	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Localized brecciated zones, with brecciated quartz-carbonate veins with sulfides at their margins.	2	1	Tr to >1	>1 to 1
54.4	76.7	Ultramafic	Black and grey	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is locally brecciated, with multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite. Localized veinlets of pyrrhotite. Blebs of sulfides associated with later quartz-carbonate veins.	0	0	Tr	1
76.7	132.2	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized veinlets and blebs of sulfides associated with quartz-carbonate veins and clots.	2	5	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
132.2	225.5	Ultramafic	Black and grey	Fine Grained	Banded	DescriptionFine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is locally brecciated, with multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite. Localized veinlets of pyrrhotite. Blebs of sulfides associated with later quartz-carbonate veins.Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is locally brecciated, with multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite. Localized veinlets of pyrrhotite. Blebs of sulfides associated with later quartz-carbonate veins.	2	0	>1	>1
225.5	237.6	Diabase Dike	Black and white	Fine Grained	Massive	Localized amphibolite selvages with blebby pyrrhotite.				
237.6	261.7	Ultramafic	Black and grey	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is locally brecciated, with multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite-pyrite. Localized veinlets of pyrrhotite. Blebs of sulfides associated with later quartz-carbonate veins.	2	0	>1	>1
261.7	279.5	Amphibolite	Green	Fine Grained	Well Foliated	Medium grained blebby pyrrhotite associated with more felsic rich bands of the unit and quartz spider veinlets.	2	0	Tr	1 to 2
279.5	308.6	Ultramafic	Black and grey	Fine Grained	Banded	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is locally brecciated, with multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Trace patchy fine grained blebby pyrrhotite-pyrite.	1	0	Tr	Tr
308.6	313.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 430	Bearing of Hole from true North 315	Total Depth (m) 325	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 02-Mar-12	Date Completed 09-Mar-12	Date Logged Mar.4-9 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328747
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306359
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.4	Casing								
3.4	14.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	10m- medium grained bleb of chalcopyrite.	2	0	>1	>1
14.0	29.6	Ultramafic	Black and grey	Fine Grained	Banded	Localized quart-carbonate veins\veinlets associated with pyrrhotite.	1	0	Tr	>1 to 1
29.6	105.6	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized sections of 1-2% blebby pyrrhotite often associated with quartz-carbonate veinlets, clots, and veins. Localized schlieren of chalcopyrite(>1%).	5	5	Tr	1
105.6	160.3	Ultramafic	Black and grey	Fine Grained	Moderately Well Foliated		2	0	>1	Tr
160.3	173.0	Amphibolite	Black and green	Fine Grained	Well Foliated	Fine grained blebby, schlieren, and disseminated pyrrhotite. Localized sections of chlorite alteration, and quartz-carbonate veinlets. 170.3-170.5m- Granitic pegmatite.	2	1	>1	1
173.0	177.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz clots, spider veinlets, and UMLAMP Dike. Blebby, and disseminated pyrrhotite.	2	1 to 2	<1	1
177.9	185.9	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Localized quartz-carbonate veinlets, and granitic pegmatite clots.	2	1	Tr	1
185.9	186.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant quartz spider veinlets, and veins.	2	1	>1	Tr
186.9	199.0	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veins, and veinlets. Localized chlorite alteration.	2	1	Tr	>1
199.0	205.6	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Weakly-moderately	Localized potassic alteration. Sulfides are associated with the margins of quartz and granitic pegmatite clots.	10	>1	>1 to 1	>1 to 1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
205.6	209.6	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veinlets and veins.	2	5	>1	>1
209.6	222.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Fine grained blebby, schlieren and disseminated pyrrhotite-pyrite. Sections of sericite, chlorite, and potassic alteration. Intermixed amphibolite (>1m) near lower contact.	5 to 10	2	>1 to 1	>1 to 1
222.2	225.2	Amphibolite	Green	Fine Grained	Well Foliated	Abundant quartz-carbonate veinlets.	2	0	>1	>1 to 1
225.2	240.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy veinlets of sulfides. Abundant quartz veinlets with potassic and sericitic alteration haloes.	15	2	>1 to 1	1
240.0	256.9	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quartz-feldspar veinlets.	2	0	Tr	>1
256.9	261.5	Felsic Gneiss (S)		Medium Grained		Abundant quartz spider veinlets with sericitic alteration.	2	0	>1 to 1	>1 to 1
261.5	273.2	Amphibolite	Green	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veinlets.	2	1	>1	>1
273.2	279.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Blebby, schieren, and veinlets of pyrrhotite-pyrite. Patchy garnet porphyroblasts.	10	2 to 3	1	1
279.4	281.7	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized quartz spider veinlets.	10	0	Tr	>1
281.7	288.4	Felsic Gneiss (S)	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	2	5	>1	>1
288.4	297.2	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Intermixed sections of amphibolite.	25	0	>1	>1
297.2	302.9	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized quartz-carbonate clots.	10	3	>1 to 1	>1
302.9	313.1	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Localized quartz spider veinlets.	5	>1	>1 to 1	>1 to 1
313.1	316.0	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized quartz spider veinlets.	5	0	>1	Tr
316.0	317.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	>1	>1
317.9	325.0	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized quartz spider veinlets.	5	0	>1	>1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 430	Bearing of Hole from true North 315	Total Depth (m) 335	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 09-Mar-12	Date Completed 15-Mar-12	Date Logged Mar.10-15 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328747
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306359
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.4	Casing								
7.4	19.3	Amphibolite	Green	Fine Grained	Well Foliated	Pervasive quartz-carbonate spider veinlets.	3	0	>1	>1
19.3	39.3	Ultramafic	Black and green	Fine Grained	Massive	Blebbly pyrite is associated with quartz-carbonate veins, clots, and veinlets.	1	0	1 to 2	Tr
39.3	150.6	Amphibolite	Dark Green	Fine Grained	Well Foliated	Abundant schlieren, veinlets and blebs of pyrite-pyrrhotite near upper contact. Localized fine-medium grained blebs of pyrrhotite-pyrite.	3	1 to 2	1	1
150.6	190.2	Ultramafic	Black and grey	Fine Grained	Banded		2	0	>1	>1
190.2	192.7	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Intermixed amphibolite sections. Abundant veinlets of pyrrhotite.	5 to 10	1	Tr	1 to 2
192.7	206.2	Ultramafic	Black and green	Fine Grained	Banded		2	0	Tr	Tr
206.2	218.8	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Abundant sericite alteration haloes around quartz spider veinlets. Potassic and chlorite alteration and brecciation at the upper contact.	5	0	1	Tr
218.8	226.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Abundant sericite, and potassic alteration and quartz-carbonate veinlets. 224.3-225.6m-Brecciation zone, with coarse clasts of potassic and silicified altered felsic gneiss (s).	2	0	1	Tr
226.0	254.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant quartz spider veinlets and veins with potassic and sericite alteration haloes.	10	0	1	Tr to >1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
254.7	259.9	Altered Felsic Gneiss (S)	Dark\Light green, white and pink	Fine Grained	Brecciated	Patchy blebs of pyrite associated with margins of brecciated clasts. Unit comprised of coarse brecciated sub-angular to sub-rounded clasts of amphibolite, felsic gneiss, and UMLAMP Dike. Matrix of brecciated clasts is comprised of potassic altered fine grained felsic gneiss and fine grained quartz-carbonate crystals.	2	3	1	Tr
259.9	266.3	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veinlets.	3	5	1	Tr
266.3	278.7	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Patchy UMLAMP Dike sections. Localized quartz spider veinlets, some with fine grained hematite.	5	1	>1 to 1	>1
278.7	282.1	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Localized quartz veinlets and chlorite alteration.	2	1	>1	>1
282.1	294.3	Felsic Gneiss (S)	Dark\Light green and	Fine-medium	Well Foliated	Unit is a potassic and chlorite altered and silicified amphibolite. Increased sulfides associated with quartz clots, and bands of biotite.	5	2	>1 to 1	>1 to 1
294.3	335.0	Amphibolite	Dark Green	Fine Grained	Well Foliated	Abundant quartz-carbonate veinlets.	2	0	Tr to >1	Tr to >1

Drilling Company Major Drilling	Core Size BQ	Collar Elevation (m) 437	Bearing of Hole from true North 360	Total Depth (m) 251	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 15-Mar-12	Date Completed 19-Mar-12	Date Logged Mar.16-19 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328359
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306663
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	8.7	Casing								
8.7	11.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Fine grained disseminated pyrrhotite associated with crystals of biotite, and quartz clots. Abundant quartz spider veinlets with sericitic alteration haloes.	5	0	Tr	>1
11.6	31.9	Amphibolite	Dark Green	Fine Grained	Well Foliated	Pyrite is associated with abundant quartz-feldspar clots. 15.9-16.7m- Intermixed layer of felsic gneiss (s) similar to previous unit. Abundant quartz veinlets.	2	Tr	>1	>1
31.9	73.8	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Moderately Well Foliated	Abundant quartz clots, and veinlets. Localized potassic and dericitic alteration. Localized sections of 2-3% fine grained schlieren and veinlets and medium-coarse grained blebs of pyrrhotite-pyrite. Sulfides are associated with bands of biotite and sericite and siliceous altered sections. 61.8-63m - Brecciated section from intruding UMLAMP Dike. Assorted 1-10 cm clasts and phenocrysts. 2% fine grained disseminated and coarse blebby pyrite within the dike.	10	0	1 to 2	1 to 2
73.8	82.4	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veinlets. 77.8-79m - Intermixed pervasively potassic altered felsic gneiss (s).	1	2	>1	Tr
82.4	89.1	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Weakly-moderately	Abundant potassic and sericitic alteration.	5	1	1	Tr
89.1	113.1	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized quartz clots oriented parallel to foliation. Localized healed brecciated sections with host rock gouge and associated with coarse grained blebby sulfides.	2	3	>1	Tr
113.1	115.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz-carbonate veins.	5 to 10	0	>1	>1
115.4	129.7	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veins, and veinlets. Localized intrusions of quartz pegmatite associated with coarse blebby pyrite. Localized intermixed (>1 m) diabase dike and felsic gneiss (s) sections.	5	1	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
129.7	131.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized patches of coarse grained quartz and biotite.	5	0	>1	>1
131.3	136.6	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets, and coarse grained garnet porphyroblasts.	5	3	>1	>1
136.6	149.6	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Sulfides increased in amphibolite interlayers.	5 to 10	1	1	Tr
149.6	169.7	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately well-well	Intermixed quartz clots and veinlets, with potassic and sericitic alteration.	15	0	1	1
169.7	189.8	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Intermixed quartz clots.	10	3	>1	Tr
189.8	196.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Pervasive potassic alteration, localized brecciation. 197.3m - graphitic coated fracture plane.	5	0	>1	Tr
196.0	202.1	Amphibolite	Green	Fine Grained	Moderately Well Foliated	Localized intermixed sections of felsic gneiss(s).	2	0	<1	<1
202.1	208.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Significantly blocky\broken core.	5	0	>1	>1
208.0	239.0	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Abundant broken and blocky core. Localized potassic alteration sections. Blebby pyrite is associated with quartz carbonate clots.	2	0	<1	<1
239.0	250.9	K-Altered Felsic Gneiss (S)	Pink	Fine Grained	Weakly-moderately	Localized brecciation sections and faults with host rock gouge. 250m- 1 cm wide pyrite veins.	2	0	<1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 270	Total Depth (m) 183	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 26-Apr-12	Date Completed 28-Apr-12	Date Logged Apr.26-28 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328137
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305086
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.1	Casing								
9.1	18.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized blebby pyrrhotite, increased content with increased biotite.	5 to 10	Tr	Tr	<1
18.9	25.1	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Patchy quartz clots, and pervasive chlorite alteration.	30	0	Tr	Tr
25.1	80.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized chlorite alteration, patchy quartz spider veinlets. 54-60m- Localized coarse grained blebs of pyrrhotite, and pyrite. Sulfides are associated with bands of biotite. Patchy muscovite crystals.	5 to 10	1	<1 to 1	<1 to 1
80.4	117.3	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed amphibolite at 103.5m. Prevalent quartz spider veinlets.	10 to 15	0	<1 to 1	<1
117.3	152.2	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Patchy quartz veins, and pervasive potassic alteration.	20	0	1	Tr
152.2	155.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Quartz spider veinlets.	5	0	Tr	Tr
155.6	183.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized quartz veins and clots.	10 to 15	0	<1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 270	Total Depth (m) 144	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 28-Apr-12	Date Completed 30-Apr-12	Date Logged Apr.28-30 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328137
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305086
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	8.7	Casing								
8.7	14.0	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Pervasive quartz spider veinlets and sericitic alteration haloes. Localized quartz clots and veins.	5	0	<1	Tr
14.0	17.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Localized blebby and schlieren pyrrhotite.	20	0	Tr	1
17.2	18.2	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Moderately Well Foliated	Localuzed vuggy and broken\blocky sections.	30	0	Tr	Tr
18.2	20.2	Diorite	Grey and white	Medium Grained	Weakly-moderately	Pervasive spider veinlets.	20	0	Tr	Tr
20.2	22.8	Altered Felsic Gneiss (S)	Green	Fine-medium	Moderately Well Foliated	Pervasive chlorite alteration of the biotite.	5 to 10	0	Tr	Tr
22.8	75.6	Felsic Gneiss (S)	Dark Grey	Very Fine-fine grained	Well Foliated	Finer grained metasediments (metapelitic) than typical metasediments seen at Borden Lake. Blebby, schlieren and disseminated pyrrhotite. Pervasive quartz spider veinlets with sericitic alteration. Bands of muscovite. Localized quartz veins with blebby sul	25	2	Tr	1 to 2
75.6	100.6	Diorite	Grey and white	Medium-coarse	Massive-weakly	Quartz diorite grading into tonalite 80-90m. Pervasive quartz spider veinlets with sericitic alteration haloes.	30	0	<1	Tr
100.6	104.3	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Localized quartz spider veinlets with potassic alteration haloes.	20	0	<1	Tr
104.3	144.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Pervasive potassic alteration.	20	0	<1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 270	Total Depth (m) 172	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 30-Apr-12	Date Completed 17-May-12	Date Logged Apr.30-May.17 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 328228
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5305070
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	11.1	Casing								
11.1	26.3	Diorite	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Pervasive potassic alteration of the unit. Blocky broken sections. 20m- Fault with host rock, and chlorite gouge. Localized quartz veins.	15	0	Tr	Tr
26.3	42.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized quartz spider veinlets, with potassic and sericitic alteration haloes. Patchy biotite.	15	0	<1	Tr
42.6	44.0	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Weakly-moderately	Pervasive chlorite alteration. Wavy and undulating foliation defined by biotite bands.	40	0	<1	<1
44.0	45.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant quartz spider veinlets with potassic and sericitic alteration haloes.	15	0	Tr to <1	Tr
45.4	55.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayer of fine grained felsic gneiss with 1-2% pyrite blebs at the lower contact.	20	0	<1	Tr
55.2	60.7	Quartz Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Localized quartz-carbonate veinlets.	20	0	<1	Tr
60.7	84.0	Felsic Gneiss (S)	Grey	Fine Grained	Weakly Foliated	Localized quartz veins. Patchy muscovite blebs. Blebby of pyrrhotite associated with the margins of quartz veins.	15	1	Tr	<1
84.0	85.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
85.2	97.1	Felsic Gneiss (S)	Grey	Very Fine-fine grained	Moderately Well Foliated	Finer grained, metapelitic?, Localized pyrrhotite blebs.	5 to 10	1	Tr	1 to 2
97.1	135.0	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Localized quartz spider veinlets, and veins.	10	0	Tr to 1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
135.0	172.0	Diorite	Grey, white, and pink	Medium Grained	Massive- weakly	Pervasive potassic alteration within matrix, and as haloes around spider veinlets.	25	0	1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 460	Bearing of Hole from true North 180	Total Depth (m) 288	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 17-May-12	Date Completed 21-May-12	Date Logged May 17-21 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 326770
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304289
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.3	Casing								
2.3	53.3	Felsic Gneiss (G)	Variable Grey	Coarse Grained	Moderately Well Foliated	Grey .5-1 cm quartz eyes in a moderately well foliated feldspar and quartz and feldspar dominated matrix. Localized coarse grained blebs and fine grained schlieren pyrite. Localized cm-scale scale quartz veins, associated with coarse grained blebs of pyrrhotite and pyrite. 42m- increased biotite, amphibolite, and patchy epidote.	5	1	1 to 2	Tr
53.3	55.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized quartz veins.	10	0	1	Tr
55.5	64.0	Quartz Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	Cm-scale quartz and feldspar phenocrysts in fine grained felsic matrix. Localized intruding veinlets of UMLAMP Dike.	5	0	<1 to 1	Tr
64.0	68.2	Diorite	Grey, white, and pink	Medium Grained	Porphyritic	Intruding 70 cm unit of QFP at lower contact. Minor potassic alteration.	15	0	<1	Tr
68.2	97.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Localized pyrrhotite veinlets, and disseminated crystals, patchy medium grained garnet porphyroblasts. Abundant quartz-carbonate spider veinlets. Prevalent Blocky broken core.	5	1	Tr	1
97.7	100.4	Diorite	Grey and white	Medium Grained	Massive	Fine grained schlieren of pyrrhotite along quartz spider veinlets. Broken and blocky sections of core.	15	0	Tr	<1
100.4	105.0	Felsic Gneiss (S)	Grey and Green	Fine Grained	Massive-weakly foliated	Localized cm-scale sections of fine grained schlieren of pyrrhotite associated with quartz spider veinlets. Localized cm-scale sections of diorite. Patchy chlorite alteration associated with brecciated sections.	5 to 10	3	Tr	1
105.0	116.2	Amphibolite	Grey and Green	Very Fine-fine grained	Moderately Well Foliated	Localized sections of 1-2% fine grained schlieren and veinlets of pyrrhotite.	5	>1 to 1	<1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
116.2	124.7	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized interlayers of amphibolite at center of the unit with containing coarser grained blebby pyrrhotite. 123.2m - Brecciated potassically altered 40 cm section.	10	0	<1 to 1	<1 to 1
124.7	133.0	Amphibolite	Dark\Light green and	Fine Grained	Weakly-moderately	Localized coarse grained blebs of pyrrhotite-pyrite.	5	10	Tr	1
133.0	156.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized quartz veins, spider veinlets, and cm-scale sections of granitic pegmatite. Interlayers of fine grained biotite rich (25%) felsic gneiss (S). Broken and blocky core.	5	0	<1	<1
156.6	161.8	Diabase Dike	Black	Fine Grained	Massive					
161.8	188.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite associated with quartz veinlets. Localized quartz spider veinlets, and intermixed felsic gneiss (g) sections containing sub-angular-sub-rounded .5-1 cm quartz eyes. 178.5-180m- Veinlets of fine grained hematite.	5	0	1	Tr
188.5	190.0	Graphitic Schist	Dark Grey	Fine Grained	Well Foliated	5-10% fine grained graphite in a felsic matrix. Cm-scale veins of fine grained graphite.	Tr	0	Tr	>1 to 1
190.0	191.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Localized veinlets of pyrrhotite. Localized quartz blebs.	5	0	Tr	>1
191.5	193.4	Graphitic Schist	Dark Grey	Fine Grained	Well Foliated	5-10% fine grained graphite in a felsic matrix. Cm-scale veins of fine grained graphite. Localized sections of secondary hematite.	Tr	0	Tr	1
193.4	194.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized disseminated and blebby pyrrhotite.	2	0	<1	<1
194.4	196.6	Graphitic Schist	Dark Grey	Fine Grained	Moderately Well Foliated	5% fine grained graphite in a felsic gneiss matrix, and graphite coated fracture planes.	Tr	0	Tr	<1 to 1
196.6	206.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Fine grained disseminated pyrite.	2	0	<1	Tr
206.1	228.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Coarse grained blebby pyrrhotite (replacement textured with pyrite at their core), commonly associated with graphite coated fractures. Intermittent granitic pegmatite sections (5-20 cm). Fine grained graphite within the matrix and more commonly found along fracture planes.	5 to 10	0	Tr	1 to 2
228.1	229.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
229.3	249.1	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized quartz veins with blebby pyrrhotite at their margins. Sections of blocky core.	5 to 10	0	Tr	1
249.1	257.0	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	253m- 4 cm quartz vein with blebby pyrite at its margin.	10	Tr	<1 to 1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
257.0	288.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Patchy blebs of fine-medium grained pyrrhotite. Unit is very similar to the garnet biotite felsic gneisses. Most similar to those seen to the SE at Borden Lake. Not as well mineralized as the "zone" garnet biotite gneisses found at Borden Lake. 5% patchy nests of fine grained sillimanite crystals.	45	10	Tr	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 462	Bearing of Hole from true North 180	Total Depth (m) 190	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 24-May-12	Date Completed 26-May-12	Date Logged May 24-26 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 326774
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304448
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.9	Casing								
7.9	48.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Broken and blocky core, localized granitic pegmatite. Localized coarse grained blebs of pyrite	5	0	<1 to 1	Tr
48.0	51.2	Quartz Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	15% coarse grained phenocrysts of quartz and feldspar in a fine grained biotite and felsic matrix.	15	0	<1	Tr
51.2	64.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sections of 1-2% pyrite. Localized moderate silicification, sericite alteration, and minor potassic alteration.	5	0	1	Tr
64.0	65.5	Quartz Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	15% coarse grained phenocrysts of quartz and feldspar in a fine grained biotite and felsic matrix.	15	0	<1	Tr
65.5	87.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized cm-scale vuggy sections with epidote and garnet.	10	<1	<1 to 1	<1 to 1
87.5	88.3	Quartz Feldspar Porphyry (QFP)		Coarse Grained	Porphyritic	15% coarse grained phenocrysts of quartz and feldspar in a fine grained biotite and felsic matrix.	15	0	Tr	Tr
88.3	90.2	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Patchy pyrite is associated with crystals of biotite. Localized potassic alteration of the matrix.	5	0	1	Tr
90.2	91.2	Quartz Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	15% coarse grained phenocrysts of quartz and feldspar in a fine grained biotite and felsic matrix.	15	0	Tr	Tr
91.2	105.0	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized quartz clots, localized quartz veinlets.	5	0	1	Tr
105.0	114.8	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Localized amphibole rich sections.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
114.8	140.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Localized quartz clots, and quartz spider veinlets.	5	0	1	Tr
140.4	159.8	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized sections of 1-2% fine grained disseminated, medium grained blebby and schlieren pyrite. Abundant quartz carbonate veinlets.	5 to 10	1	1	<1
159.8	161.8	Diorite	Pink	Medium Grained	Massive-weakly	Intrusive diorite.	15	0	Tr	Tr
161.8	172.7	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Sections of 1% fine grained disseminated and schlieren pyrite-pyrrhotite.	5	5	<1 to 1	<1 to 1
172.7	181.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy quartz clots and veins.	20	0	<1	Tr
181.6	190.2	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Patchy light\dark green green amphibolite similar to footwall amphibolite seen at Borden Lake.	5	2	1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 462	Bearing of Hole from true North 180	Total Depth (m) 249	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 26-May-12	Date Completed 30-May-12	Date Logged May 27-30 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 327171
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304309
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	14.5	Casing								
14.5	45.7	Felsic Gneiss (S)	Grey and white	Medium-coarse grained	Moderately Well Foliated	Localized blebby pyrite associated with crystals of biotite. Patchy medium grained crystals of muscovite. Patchy .5-1 cm quartz eyes. Abundant sericite and siliceous alteration throughout the unit. 34.5m- Finer grained felsic gneiss (s) section. 40.5m- 30 cm UMLAMP Dike section.	10	0	1	Tr
45.7	61.3	Amphibolite	Variable Grey	Fine-medium	Moderately Well Foliated	Abundant chlorite alteration associated with blebby pyrrhotite and coarse grained biotite. Patchy coarse grained pyrrhotite. 50m- 80 cm UMLAMP Dike.	10	5	<1	1 to 2
61.3	64.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized brecciated sections with siliceous alteration. 62m - 60 cm UMLAMP Dike.	5	0	<1	2
64.0	70.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized coexisting pyrite-pyrrhotite blebs.	15	0	<1	<1
70.7	117.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Localized sections of 1-2% pyrrhotite as coarse blebs, veins, and veinlets. 114.7m- 1 cm wide veins of pyrrhotite. 93-102m -Broken blocky core, fault with host rock gouge, chlorite and sericite healed faults, and brecciated sections, with the brecciation due to intermittent UMLAMP Dikes. Localized quartz pegmatites.	5	0	Tr	1
117.5	127.0	Felsic Gneiss (S)	Grey and Green	Fine Grained	Weakly-moderately	Localized sections of 1-2% pyrrhotite. Abundant quartz carbonate veinlets with sericitic alteration haloes.	10	0	Tr	1
127.0	136.3	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly-moderately	Localized quartz spider veinlets.	2	0	Tr	<1
136.3	140.8	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz veins, and veinlets.	15	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
140.8	150.0	Felsic Gneiss (S)		Fine Grained		Localized breccia zones, and quartz veins.	10	0	Tr	<1
150.0	153.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz spider veinlets.	10	0	Tr	Tr
153.6	159.3	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Localized blebby pyrrhotite, garnet and quartz-carbonate veinlets.	5	<1	Tr	<1
159.3	217.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Patchy quartz spider veinlets. Localized fine grained blebs of pyrrhotite.	10	0	<1	1
217.6	228.2	Graphitic Schist	Black and grey	Fine Grained	Moderately Well Foliated	Localized sections of 1-2% pyrrhotite in graphitic rich sections. 228.5m- Blebs of arsenopyrite with pyrite and pyrrhotite. Variable graphite content. Localized intermixed felsic gneiss (s).	5	0	<1	1
228.2	249.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy chlorite alteration.	5	1	1	Tr

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 460	Bearing of Hole from true North 180	Total Depth (m) 99	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 03-Jun-12	Date Completed 04-Jun-12	Date Logged June 3-4 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 327169
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304095
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	19.7	Casing								
19.7	34.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Coarse grained blebby sulfides associated with quartz veins and clots. Localized quartz spider veinlets.	5	0	1 to 2	<1
34.5	41.2	Graphitic Schist	Black and grey	Fine Grained	Well Foliated	Medium grained schlieren, disseminated, blebby pyrite. Graphite is present along fracture planes and matrix. Intermixed felsic gneiss (s).	2	0	1 to 2	<1
41.2	77.5	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	73m - 1m UMLAMP Dike. Localized quartz clots, veins, and spider veinlets.	15	0	<1	Tr
77.5	79.0	Graphitic Schist	Black and grey	Fine Grained	Well Foliated	Patchy coarse grained blebby, and veins of pyrite.	2	0	2 to 3	Tr
79.0	99.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized sections of 1-2% schlieren, disseminated, and blebby pyrite.	30	4	1	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 433	Bearing of Hole from true North 180	Total Depth (m) 210	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06-Jun-12	Date Completed 08-Jun-12	Date Logged June 6-8 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 330629
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306261
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.8	Casing								
4.8	57.0	Amphibolite	Dark\Light green and pink	Fine Grained	Well Foliated	Localized quartz-veinlets and veins. Localized biotite bands (1-3 cm). Sulfides present in strain shadows of garnet porphyroblasts. Unit variably magnetic due to localized presence of pyrrhotite. Localized blocky broken core sections. Resembles Borden Lake footwall. 60m-Intermixed UMLAMP Dike.	15	10	<1	<1
57.0	66.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Medium felsic gneiss with localized graphite in the matrix, associated with blebs and veinlets of sulfides. Localized blocky broken sections of core. 60m-intermixed UMLAMP Dike.	10	1	1	1
66.2	72.0	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Patchy medium grained garnet porphyroblasts in well foliated\banded fine grained felsic matrix. Patchy fine-medium grained pyrrhotite blebs.	10 to 15	2	<1	1
72.0	82.8	Felsic Gneiss (S)	Black and grey	Fine Grained	Moderately Well Foliated	Localized patchy muscovite. Abundant quartz spider veinlets.	15	0	Tr	Tr
82.8	102.4	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized quartz-veinlets and veins. Localized biotite bands (1-3 cm). Sulfides present in strain shadows of garnet porphyroblasts. Unit variably magnetic due to localized presence of pyrrhotite. Intermixed felsic gneiss (C) sections.	5	3	<1	<1
102.4	124.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz spider veinlets and veins.	10 to 15	<1	<1	<1
124.3	127.1	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized quartz-veinlets and veins. Localized biotite bands (1-3 cm). Sulfides present in strain shadows of garnet porphyroblasts. Unit variably magnetic due to localized presence of pyrrhotite. Localized blocky broken core sections.	5	1	<1	<1
127.1	189.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets. 144m-Intermixed fine grained amphibolite. 155m- 1m section of pervasive potassic alteration with localized brecciation within the section caused by carbonate veins. 174m- Pervasive potassic spider veinlets.	15	1	<1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
189.0	210.0	Amphibolite		Fine Grained	Well Foliated	Localized quartz-veinlets and veins. Localized biotite bands (1 cm). Unit variably magnetic due to localized presence of pyrrhotite. 199m- Intermixed felsic gneiss (s). Localized blocky broken core sections.	5	1	<1	<1

Drilling Company Major Drilling	Core Size NQ	Collar Elevation (m) 435	Bearing of Hole from true North 360	Total Depth (m) 174	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08-Jun-12	Date Completed 09-Jun-12	Date Logged June 8-9 2012	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden	Easting 330281
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306227
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.6	Casing								
13.6	84.6	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Thick Banded amphibolite consisting of alternating amphibole-biotite rich bands and felsic rich plus-minus garnet bands. 15m- Section of 1-2% pyrrhotite. Localized medium-coarse grained blebby pyrrhotite.	5	3	Tr	1
84.6	96.6	Felsic Gneiss (S)	Variable Grey	Fine Grained	Well Foliated	Fine grained sedimentary felsic gneiss consisting of alternating felsic rich bands and biotite rich bands. Minor graphite in the matrix. Well mineralized.	20	<1	1	2
96.6	156.0	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Thick Banded amphibolite consisting of alternating amphibole-biotite rich bands and felsic rich plus-minus garnet bands. 15m- Section of 1-2% pyrrhotite. Localized medium-coarse grained blebby pyrrhotite.	5	7	<1	1
156.0	157.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
157.1	164.0	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Thick Banded amphibolite consisting of alternating amphibole-biotite rich bands and felsic rich plus-minus garnet bands. 15m- Section of 1-2% pyrrhotite. Localized medium-coarse grained blebby pyrrhotite.	5	5	<1	<1
164.0	174.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 205	Total Depth (m) 364	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 24/02/2011	Date Completed 27/02/2011	Date Logged February 24-27 201	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330365
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303910
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	13.1	Felsic Gneiss (G)	Grey and pink	Fine-medium	Massive-weakly	Grey and pink, fine-medium grained, massive-weakly foliated granitic felsic gneiss comprised of medium grained quartz, feldspar, and biotite in a fine grained felsic matrix. >1% to 1% fine grained disseminated sulfides. Intermittent zones of broken core, and coarse grained quartz crystals (quartz eyes.)	10	0	1	Tr
13.1	14.2	Diabase Dike	Black and white	Fine-medium		Black and white, fine-medium grained, diabase dike comprised of plagioclase phenocrysts in a fine grained mafic matrix.	0	0	Tr	Tr
14.2	24.6	Felsic Gneiss (G)	Dark grey and pink	Medium grained		Dark grey and pink, medium grained, granitic felsic gneiss, comprised of medium grained quartz, potassium feldspar and in a felsic matrix. 1-2% fine grained disseminated pyrite. 19.8-20.5m - Biotite rich(50%) section.	15	0	2	Tr
24.6	35.6	Felsic Gneiss (G)	Light grey, pink and white	Coarse grained		Light grey, pink and white, coarse grained, granitic felsic gneiss comprised of coarse grained quartz, feldspar and biotite. Localized spider veinlets. >1% fine grained disseminated pyrite.	15	0	Tr	Tr
35.6	36.9	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Dark grey, fine-medium grained, moderately well foliated felsic gneiss. 1-2% Fine grained disseminated and blebby pyrite. Localized chlorite and sericite alteration patches.	10	0	2	Tr
36.9	40.2	Felsic Gneiss (G)	Grey and pink	Fine-medium	Massive-weakly	Same as previous gneiss 4-13.1m. 1% fine grained disseminated and thin bands of pyrite. Localized centimeter-scale zones of pegmatite.	10	0	1	Tr
40.2	49.7	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Same as previous. Pervasive chlorite, potassic and sericite alteration.	10	0	2	Tr
49.7	52.2	Pegmatite	Black, pink and white	Coarse-grained		Black, pink, and white, pegmatite comprised of coarse grained potassic and plagioclase feldspar, quartz, and biotite crystals. >1% Sulfides.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
52.2	62.1	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Same as previous. 1-2% fine grained disseminated pyrite-pyrrhotite.	20	0	1	1
62.1	64.1	Amphibole Felsic Gneiss	Dark grey-green	Fine-medium grained	Porphyroblastic	Dark grey-green, fine-medium grained porphyroblastic amphibole felsic gneiss comprised of 20% medium-grained porphyroblastic amphibole and biotite crystals. Localized chlorite alteration patches, quartz, veins . 1% fine grained disseminated, coarse grained clots and blebs of pyrite and pyrrhotite.	20	0	1	Tr
64.1	65.4	Pegmatite	Black, pink and white	Coarse-grained		Same as previous.	5	0	Tr	Tr
65.4	70.0	Amphibole Felsic Gneiss				Same as previous. Intermittent pegmatite sections and alteration patches and spider veinlets.	20	0	1	Tr
70.0	82.7	Diabase Dike				Same previous.	0	0	Tr	Tr
82.7	86.2	Amphibole Felsic Gneiss	Black, pink and white	Coarse-grained		Same previous. 82.7-83.6m, 84.1-84.7m - Potassic alteration zone.	20	0	1	Tr
86.2	90.8	Felsic Gneiss (S)	Pink, black and grey	Fine-medium grained	Weakly foliated	Pink, black and grey, fine-medium grained, weakly foliated felsic gneiss comprised of medium grained quartz, minor feldspar and fine grained biotite in a fine grained felsic matrix. 2% fine grained disseminated pyrite. Pervasive potassic alteration often associated with healed fractures and spider quartz veins throughout the unit.	15	0	2	Tr
90.8	95.6	Felsic Gneiss (S)	White and grey	Medium-coarse grained		White and grey, medium-coarse grained, quartz pebble felsic gneiss. Localized spider veinlets, cm-scale amphibolite layers, pegmatite zones and vugs. 1% fine grained disseminated sulfides.	5	0	1	Tr
95.6	98.2	Amphibolite	Black and dark green	Medium-grained	Well foliated	Black and dark green, medium grained, well foliated amphibolite with spotty light green alteration patches. 1-2% fine grained disseminated pyrite-pyrrhotite.	5	3	1	1
98.2	101.4	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated felsic gneiss 1% fine grained disseminated pyrite. 99.6-100.2m - Section of increased biotite (5-8%) with localized vugs and an increase in sulfide abundance.	5	0	1	Tr
101.4	102.7	Felsic Gneiss (S)	Grey, pink and black	Medium-coarse grained	Moderately well foliated	Grey, pink, and black, medium-coarse grained, moderately well foliated felsic gneiss comprised of medium-coarse quartz crystals (fragments?), feldspar, and biotite in a felsic matrix. 1% fine grained disseminated sulfides.	15	0	1	Tr
102.7	105.4	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous gneiss 98.2-101.4m. 1-2% fine grained disseminated pyrite.	5	0	2	Tr
105.4	107.0	Pegmatite	Black, pink and white	Coarse-grained		Same as previous. 1% fine grained and coarse grained clots of pyrite.	5	0	1	Tr
107.0	110.9	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous. Localized vuggy sections and cm-scale quartz veins.	5	0	2	Tr
110.9	111.6	Quartz Vein	Milky white			Milky white quartz vein with 1% coarse clots of pyrite associated the contact of the vein and wall rock.	0	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
111.6	113.2	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous.	5	0	2	Tr
113.2	114.5	Pegmatite	Black, pink and white	Coarse-grained		Same as previous.	5	0	1	Tr
114.5	124.9	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous. 1-2% fine grained disseminated and localized pyrite-pyrrhotite coarse grained clots and blebs. 124.3-124.9m - Quartz pebble layer.	5	0	2	Tr
124.9	127.7	Felsic Gneiss (S)	Black, white and grey	Medium-grained	Massive-weakly	Black, white, and grey, medium grained, massive-weakly foliated, felsic gneiss 1-2% fine grained disseminated, blebby and clotty pyrite.	10	0	2	Tr
127.7	129.0	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous gneiss 114.5-124.9m.	5	0	2	Tr
129.0	131.6	Felsic Gneiss (S)	Black, white and grey	Medium-grained	Massive-weakly	Same as previous gneiss 124.9-127.7m.	10	0	2	Tr
131.6	132.6	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous gneiss 127.7-129m.	5	0	2	Tr
132.6	134.0	Felsic Gneiss (QP)	Grey	coarse-grained	Weakly foliated	Same as previous.	5	0	1	Tr
134.0	136.5	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous.	5	0	2	Tr
136.5	137.0	Pegmatite	Black, pink and white	Coarse-grained		Same as previous.	5	0	1	Tr
137.0	139.7	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous. Coarse blebs and clots of sulfides associated with biotite.	5	0	2	Tr
139.7	142.6	Felsic Gneiss (QP)	Grey	coarse-grained	Weakly foliated	Same as previous.	5	0	1	Tr
142.6	147.8	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Light grey, medium grained moderately well foliated, felsic gneiss. 1% fine grained disseminated, clots and blebs of pyrrhotite. Localized cm-scale intervals of pegmatite.	10	0	Tr	1
147.8	153.1	Felsic Gneiss (S)	Dark grey	Fine-medium grained	Moderately well foliated	Dark grey, fine-medium grained moderately well foliated, felsic gneiss. 1-2% fine grained disseminated and coarse grained blebby pyrite and pyrrhotite. Localized quartz and pegmatite sections.	20	0	2	Tr
153.1	163.9	Felsic Gneiss (S)	Light grey	Coarse grained	Moderately well foliated	Light grey, coarse grained, moderately well foliated felsic gneiss. 1-2% overall and 2-3% fine grained disseminated, blebs and clots of pyrite-pyrrhotite.	15	0	1	1
163.9	175.5	Amphibolite	Black, pink and dark	Fine-medium		Black, pink, and dark green, fine-medium grained amphibolite. 2-3% fine grained disseminated, thin banded, coarse grained blebs and clots and veins of pyrite-pyrrhotite.	5	7	1	2
175.5	189.4	Felsic Gneiss (S)	Grey-dark grey	Medium-coarse	Moderately well foliated	Grey-dark grey, medium-coarse grained, moderately well foliated felsic gneiss. 2-3% fine grained disseminated, blebs and clots of pyrite-pyrrhotite.	5	0	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
189.4	190.4	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Black, pink, and dark grey, medium grained, moderately well foliated, garnet biotite felsic gneiss. 2-3% fine grained disseminated pyrrhotite-pyrite.	60	5	1	2
190.4	192.0	Felsic Gneiss (S)	Light grey	Medium-coarse	Moderately well foliated	Light grey, medium-coarse grained, moderately well foliated, felsic gneiss. 1-2% fine grained disseminated, and blebby pyrite-pyrrhotite often associated with biotite.	10	0	1	1
192.0	193.2	Felsic Gneiss (QP)	Grey	coarse-grained	Weakly foliated	Same as previous.	5	0	1	Tr
193.2	199.0	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Same as previous gneiss 153.1-163.9m - 5% biotite felsic gneiss interlayers.	15	0	1	1
199.0	205.0	Biotite Felsic Gneiss	Dark grey-black	Fine-medium grained	Well foliated	Dark grey-black, fine-medium grained, well foliated biotite felsic gneiss. 1-2% fine disseminated and coarse grained clots and blebs of pyrite-pyrrhotite. The clots and blebs of sulfides are associated and occur with cm-scale quartz veins, and pegmatite intervals. 202.7-205m - Unit has 20% 10-30 cm pegmatite intervals.	45	Tr	1	1
205.0	208.1	UMLAMP Dike	Black and white	Fine-medium		Black and white, fine-medium grained, ultramafic-lamprophyric dike.				
208.1	210.7	Altered Garnet Biotite Felsic Gneiss	Light grey, and pink	Fine-medium grained		Light grey, pink, fine-medium grained, altered garnet biotite felsic gneiss. Unit has been intensely and pervasively sericitically and siliceously altered. Foliation and texture of host rock, as well as localized unaltered bands of biotite and garnet have been preserved. >1% fine grained disseminated sulfides.	30	2	Tr	Tr
210.7	214.0	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Same as previous. 1-2% fine grained disseminated and coarse grained blebby sulfides. Biotite content is variable throughout unit. Localized spider veinlets with potassic and sericite alteration haloes.	50	5	1	1
214.0	215.7	Pegmatite	Black, pink and white	Coarse-grained		Same as previous.	5	0	1	Tr
215.7	219.5	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Same as previous. Biotite occurs more in bands defining the S1 foliation, rather than in the matrix as in the previous unit.	50	5	1	1
219.5	222.2	Felsic Gneiss (G)	White, and bluish-grey	Coarse grained	Massive-weakly foliated	White, and bluish-grey, coarse grained, massive-weakly foliated granitic felsic gneiss, comprised of coarse grained quartz, feldspar, biotite, and muscovite in a felsic matrix. 1-2% fine grained disseminated and coarse grained blebby pyrrhotite-pyrite. Localized sericite alteration.	15	0	Tr	2
222.2	223.9	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Same as previous.	50	5	1	1
223.9	231.0	Felsic Gneiss (G)	White, and bluish-grey	Coarse grained	Massive-weakly	Same as previous.	15	0	Tr	2
231.0	233.0	Felsic Gneiss (QP)	Grey	coarse-grained	Weakly foliated	Same as previous. Unit is potassically altered. Localized spider veinlets.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
233.0	237.5	Felsic Gneiss (S)	Bluish-grey to grey	Medium-coarse grained	Moderately well foliated	Bluish-grey to grey, medium-coarse grained, moderately well foliated intermixed felsic gneiss (S) 60%, and felsic gneiss (G) 40%. 1-2% fine grained disseminated and coarse grained blebby pyrite-pyrrhotite. Localized quartz veins, spider veinlets, and siliceous alteration zones.	15	0	1	1
237.5	244.3	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Same as previous. 1-2% fine grained disseminated, and blebby pyrrhotite-pyrite.	50	5	1	1
244.3	245.5	Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Same as previous garnet biotite felsic gneiss but with garnet absent. 1-2% fine grained disseminated and blebby pyrrhotite-pyrite.	50	0	1	1
245.5	247.7	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Moderately well foliated	Same as previous. 246.3-247.7m - Chlorite, sericite alteration zone with increased sulfides. 2-3% fine grained disseminated and coarse grained blebby pyrrhotite-pyrite.	50	5	1	1
247.7	254.3	Felsic Gneiss (QP)	Grey	Coarse-grained	Weakly foliated	Same as previous.	5	0	1	Tr
254.3	255.0	Felsic Gneiss (S)	Grey-greenish grey	Fine-grained	Weakly foliated	Grey-greenish grey, fine grained, weakly foliated siliceously altered felsic gneiss. 2-3% fine grained disseminated and blebby pyrrhotite-pyrite. Localized spider veinlets.	5	0	1	2
255.0	256.7	Felsic Gneiss (QP)	Grey	Coarse-grained	Weakly foliated	Same as previous but without the potassic alteration.	5	0	1	Tr
256.7	258.6	Felsic Gneiss (S)	Grey-greenish grey	Fine-grained	Weakly foliated	Same as previous. Localized thick band of pyrrhotite (1.5-2 cm)			1	2
258.6	280.0	Felsic Gneiss (S)	Grey-dark grey	Fine-medium grained		Grey-dark grey, fine-medium grained felsic gneiss, that transitions from fine-medium grained to medium grained. Variable biotite and medium grained quartz content. Overall 1-2% fine grained disseminated and coarse grained blebby pyrrhotite and pyrite with localized zones of 2% sulfides. Localized 10-20 cm quartz veins. Upper part of unit is a quartz and biotite rich section.	10	0	1	1
280.0	313.7	Felsic Gneiss (QP)	Grey	Coarse-grained	Weakly foliated	Same as previous. Unit has zones of finer and coarse grained sections of quartz pebble felsic gneiss. Biotite content is variable throughout the unit. Localized spider veinlets with alteration haloes. 295.8-296.2m, 297.2-297.6m - Porphyroblastic Amphibole Felsic Gneiss. 299-301.1m - Potassocally altered quartz pebble felsic gneiss.	7.5	0	1	Tr
313.7	314.6	Felsic Gneiss (S)	Grey, pink and green	Fine-grained	Moderately well foliated	Grey, pink and green, fine grained, moderately well foliated felsic gneiss comprised of distinct pink siliceous bands. 1-2% fine grained disseminated, medium grained blebby pyrrhotite and pyrite.	15	Tr	Tr	2
314.6	320.4	Felsic Gneiss (QP)	Grey	Coarse-grained	Weakly foliated	Same as previous.	5	0	1	Tr
320.4	322.2	Pegmatite	Black, pink and white	Coarse-grained		Same as previous. 1% fine grained disseminated and blebby pyrrhotite.	5	0	Tr	1
322.2	327.7	Felsic Gneiss (G)	Light grey	Coarse grained	Weakly foliated	Light grey, coarse grained, weakly foliated granitic felsic gneiss comprised of quartz, plagioclase feldspar and biotite in a felsic matrix. 1-2% fine grained disseminated and medium grained blebby pyrrhotite and pyrite.	15	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
327.7	330.0	Amphibolite	Dark green	Fine - medium grained	Moderately well foliated	Dark green, fine-medium grained, moderately well foliated amphibolite. Localized alteration patches gives unit a patchy appearance. 1% fine grained disseminated and blebby pyrrhotite and pyrite.	5	7	Tr	1
330.0	338.5	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well foliated	Light grey, fine-medium grained, moderately well foliated felsic gneiss. Localized spider veinlets, pegmatite intervals.>1%-1% fine grained disseminated pyrite-pyrrhotite.	10	0	Tr	Tr
338.5	342.4	UMLAMP	Black and white	Fine-medium		Same as previous.				
342.4	347.4	Amphibolite	Dark green	Fine - medium	Moderately well foliated	Same as previous.	5	7	Tr	1
347.4	348.9	Pegmatite	Green, pink, blue and			Green, pink, blue, and white pegmatite. <1% sulfides.	5	0	Tr	Tr
348.9	364.0	Amphibolite	Dark green	Fine - medium	Moderately well foliated	Same as previous. Garnet occurs predominantly as coarse grained porphyroblasts. (364-EOH)	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 205	Total Depth (m) 209	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 27/02/2011	Date Completed 01/03/2011	Date Logged February 27- 1 Marc	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330353 Northing 5303700 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.6	Casing								
6.6	32.2	2 Mica Granite	Grey, white, greenish white and black	Coarse-grained	Massive-weakly foliated	Grey, white, greenish-white, and black, coarse grained massive-weakly foliated 2 mica granite comprised of coarse grained plagioclase feldspar (60%), quartz (25%), muscovite (10%), and biotite (5%). >1% fine grained disseminated sulfides. Locally K-feldspathized sections associated with quartz spider veinlets. 14-18.5m - potassically altered section.	5	0	Tr	Tr
32.2	41.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss. 1% fine grained disseminated and blebby, and medium grained clots of pyrite.	10	0	1	Tr
41.0	44.9	Felsic Gneiss (S)	Dark green, pink, black and grey	Fine-medium grained	Moderately well foliated	Dark green, pink, black, and grey, fine-medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated, blebby, thin banded pyrite-pyrrhotite, and locally 2-3%.	40	0	2	1
44.9	54.2	Diorite	Grey and white	Coarse-grained	Massive	Grey and white, coarse grained, massive diorite comprised of plagioclase (50%), quartz (20%), and biotite (30%) in a felsic matrix. Plagioclase occur as angular phenocrysts up to 6 mm. Localized spider veinlets with alteration haloes, localized quartz veins. >1%-1% fine grained disseminated and blebby pyrite.	30	0	1	Tr
54.2	57.5	Garnet Biotite Felsic Gneiss	Dark grey	Medium grained	Moderately well foliated	Dark grey, medium grained, moderately well foliated garnet biotite felsic gneiss. 2-3% fine grained disseminated pyrrhotite-pyrite.	60	5	1	2
57.5	59.4	Pegmatite	Green, orange, pink			Green, orange, pink and white pegmatite. 58.5-58.9m - garnet biotite felsic gneiss selvage.	5	0	1	1
59.4	61.4	Garnet Biotite Felsic Gneiss	Dark grey	Medium grained	Moderately well foliated	Same as previous. Localized 25 cm diorite interlayer.	60	5	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
61.4	62.4	Pegmatite	Green, orange, pink			Same as previous.	5	0	1	1
62.4	65.3	Garnet Biotite Felsic Gneiss	Dark grey	Medium grained	Moderately well foliated	Same as previous. 10% intermixed pegmatite.	60	5	1	2
65.3	66.3	Pegmatite					5	0	1	1
66.3	81.3	Diorite				Same as previous. Localized spider veinlets with well developed alteration haloes.	30	0	1	Tr
81.3	82.0	Pegmatite				Same as previous. Very coarse grained book of biotite. Medium grained blebs and clots of Py.	10	0	1	Tr
82.0	87.1	Diorite				Same as previous. Localized pegmatite intervals and quartz veins.	30	0	1	Tr
87.1	89.1	Garnet Biotite Felsic Gneiss	Dark grey	Medium grained	Moderately well foliated	Same as previous. 40% intermixed pegmatite intervals within the unit. Unit is coarse grained.	60	5	1	2
89.1	91.8	Diorite	Grey and white	Coarse-grained	Massive	Same as previous. Localized medium grained clots of sulfides.	30	0	1	Tr
91.8	100.6	Garnet Biotite Felsic Gneiss	Dark grey	Medium grained	Moderately well foliated	Same as previous. 3-4% fine grained disseminated. Streaks, and coarse grained clots and blebs of pyrrhotite-pyrite. 92-95m - Zone of gneiss intermixed with 30% pegmatite.	60	5	1	2
100.6	102.0	Pegmatite	Green, orange, pink			Same as previous. Garnet biotite felsic gneiss selvages.	5	0	1	1
102.0	103.5	Garnet Biotite Felsic Gneiss	Dark grey	Medium grained	Moderately well foliated	Same as previous.	60	10	2	2
103.5	113.0	Felsic Gneiss (G)	Grey, bluish grey	Coarse-grained	Massive-weakly foliated	Grey, bluish grey, coarse grained, massive-weakly foliated granitic felsic gneiss comprised of coarse grained quartz, feldspar, muscovite, in a felsic matrix. 1-2% fine grained disseminated and medium grained blebs of pyrite-pyrrhotite.	5	0	1	1
113.0	118.7	Garnet Biotite Felsic Gneiss	Dark grey	Very coarse grained	Moderately well foliated	Same as previous. Very coarse grained unit. 15% intermixed pegmatite intervals. 4% sulfides.	60	10	2	2
118.7	120.7	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Dark grey, fine-medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated sulfides.	40	0	1	Tr
120.7	136.2	Felsic Gneiss (G)	Grey, bluish grey	Coarse-grained	Massive-weakly	Same as previous. 1-2% overall with 2-3% garnet biotite felsic gneiss interlayers. Localized sections of potassic alteration. Lower contact is transitional.	10	0	1	1
136.2	138.5	Garnet Biotite Felsic Gneiss	Dark grey	Very coarse grained	Moderately well foliated	Same as previous.	60	10	2	2
138.5	141.5	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss. 2-3% fine grained disseminated, and medium grained blebby sulfides. Localized potassic alteration.	15	0	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
141.5	142.6	Altered Felsic Gneiss (S)			Altered	Potassically, sericitically altered felsic gneiss. >1% sulfides.	5	0	Tr	Tr
142.6	153.5	Diabase Dike								
153.5	155.6	Altered Felsic Gneiss (S)			Altered	Same as previous. 1% fine grained disseminated sulfides. Alteration is less intense further away from the upper contact.	5	0	1	Tr
155.6	157.8	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated sulfides. Localized 30 cm chlorite and epidote alteration zone.	15	0	1	Tr
157.8	160.6	Diorite	Grey and white	Coarse-grained	Massive	Same as previous. Localized 20 cm quartz vein.	30	0	1	Tr
160.6	165.8	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss. Localized quartz veins. 1% fine grained disseminated sulfides.	10	0	1	Tr
165.8	167.9	Felsic Gneiss (G)	Grey, bluish grey	Coarse-grained	Massive-weakly	Same as previous.	10	0	1	Tr
167.9	185.8	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated sulfides overall with localized coarse grained clots of pyrrhotite-pyrite. Unit transitions graditionally from medium-coarse grained. Localized spider veinlets.	15	0	1	1
185.8	193.8	Amphibolite	Dark green and pink	Medium grained	Well foliated	Dark green, and pink, medium grained, well foliated amphibolite. Porphyroblasts of garnet are up to 4 cm in width.	5	7	Tr	1
193.8	198.5	Garnet Biotite Felsic Gneiss	Black and pink	Medium-coarse grained	Moderately well foliated	Black and pink, medium-coarse grained, moderately well foliated garnet biotite felsic gneiss. 1% fine grained disseminated, and medium grained blebby pyrrhotite. Localized spider veinlets. Porphyroblasts of garnet are up to 6 cm in width.	65	30	Tr	1
198.5	209.0	Amphibolite	Dark green and pink	Medium grained	Well foliated	Same as previous. (209- EOH)	5	7	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 205	Total Depth (m) 230	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 01/03/2011	Date Completed 04/03/2011	Date Logged March 1-4 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330353
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303700
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	28.1	2 Mica granite	Grey, bluish grey, green & white	Coarse-grained	Massive-weakly foliated	Grey, bluish grey, green, and white, coarse grained, massive-weakly foliated 2 mica granite comprised of coarse grained quartz, plagioclase, biotite, and muscovite in a felsic groundmass. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
28.1	32.5	Felsic Gneiss (S)	Grey	Fine-medium	Massive-weakly	Grey, fine-medium grained, massive-weakly foliated felsic gneiss. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
32.5	45.4	Diorite	Grey and white	Medium grained		Grey, and white, medium grained diorite comprised of 60% angular plagioclase phenocrysts ranging in size up to 6 mm, and 30% biotite in a felsic matrix. 1% fine grained disseminated sulfides.	30	0	1	Tr
45.4	49.8	Banded Gneiss	Green,pink & white	Medium grained	Moderately well foliated/band	Green, pink, and black, medium grained, moderately well foliated/banded, banded gneiss with distinct pink siliceous bands. 1-2% fine grained disseminated, and streaky pyrrhotite-pyrite.	15	0	1	1
49.8	51.6	Felsic Gneiss (S)	Grey	Fine-medium	Massive-weakly	Same as previous.	10	0	Tr	Tr
51.6	55.9	Banded Gneiss	Green,pink & white	Medium grained	Moderately well	Same as previous.	15	0	1	1
55.9	58.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss. 1% fine grained disseminated sulfides.	15	0	1	Tr
58.9	60.4	Amphibolite	Dark green	Fine-grained	Moderately well foliated	Dark green, fine grained, moderately well foliated, amphibolite 1% fine grained disseminated pyrrhotite.	5	5	Tr	1
60.4	62.4	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Grey, black, pink, medium grained garnet biotite felsic gneiss. 2-3% fine grained disseminated, and streaky and medium grained blebby sulfides.	60	5	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
62.4	70.8	Pegmatite	Green, orange and			Green, orange, and white, pegmatite with 15% garnet-biotite felsic gneiss selvadges. 2-3% fine grained disseminated, streaky and blebby pyrrhotite-pyrite.	15	2	1	2
70.8	72.8	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous. 3-4% coarse grained clots, blebs, and streaks. Fine grained disseminated. Vuggy and porous biotite and sulfide rich sections of leached core.	60	5	2	2
72.8	74.6	Pegmatite	Green, orange and			Green, orange, and white, pegmatite. Sulfides associated with biotite crystals.	5	0	1	1
74.6	77.7	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous. 75.6 m - 6 cm pyrrhotite-pyrite clot.	60	5	2	2
77.7	79.2	Pegmatite				Pegmatite with garnet-biotite felsic gneiss selvadges that have 1-2% fine grained disseminated and medium grained blebby pyrrhotite-pyrite.	5	1	1	1
79.2	81.1	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well	Light grey, fine-medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated and coarse grained clots of pyrrhotite-pyrite.	10	0	1	1
81.1	82.6	Pegmatite	Green, orange and			Same as previous.	5	0	1	1
82.6	86.3	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous.	60	5	2	2
86.3	87.2	Pegmatite	Green, orange and			Same as previous.	5	0	1	1
87.2	88.7	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous.				
88.7	90.0	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well	Same as previous.	10	0	1	1
90.0	93.8	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous. Localized 20 cm pegmatite.	60	5	2	2
93.8	94.8	Pegmatite	Green, orange and			Same as previous.	5	0	1	1
94.8	101.5	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous.	60	5	2	2
101.5	103.1	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well	Same as previous.	10	0	1	1
103.1	105.3	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous.	60	5	2	2
105.3	106.8	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well	Same as previous.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
106.8	126.2	Garnet Biotite Felsic Gneiss	Grey, black, & pink	Medium grained		Same as previous. Variable biotite content throughout unit. Localized 10-30 cm pegmatite intervals.	60	5	2	2
126.2	138.6	Felsic Gneiss (S)	Grey, black, pink	Medium-coarse grained	Moderately well foliated	Grey, black, pink, medium-coarse grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated, and medium grained blebby pyrite-pyrrhotite. Localized potassic alteration. Patchy fine-medium grained garnet porphyroblasts.	15	3	1	1
138.6	140.0	Pegmatite	Green, orange and			Same as previous. Felsic gneiss selvages. 1-2% fine grained disseminated and medium grained blebs of pyrrhotite-pyrite.	5	0	1	1
140.0	145.2	Felsic Gneiss (S)	Dark grey	Medium grained	Moderately well foliated	Dark grey, medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite.	15	0	1	Tr
145.2	149.6	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Grey, and white, medium grained, moderately well foliated quartz pebble felsic gneiss.	5	0	1	Tr
149.6	151.3	Pegmatite				Mixed pegmatite and felsic gneiss unit.	5	0	1	Tr
151.3	153.4	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous.	5	0	1	Tr
153.4	154.6	Altered Felsic Gneiss (QP)			Altered	Altered quartz pebble felsic gneiss. Numerous spider veinlets, and pervasive potassic and sericitic alteration.	5	0	1	Tr
154.6	169.0	Diabase Dike	Black and white	Fine-medium		Black and white, fine-medium grained diabase dike, comprised of medium plagioclase phenocrysts in a fine a grained mafic matrix.				
169.0	177.9	Felsic Gneiss (S)	Light grey to pinkish grey	Fine-grained	Moderately well foliated	Light grey to pinkish-grey, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite. Localized spider veinlets and patchy chlorite alteration.	10	0	1	Tr
177.9	180.9	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous. 177.9-178.6 - Interlayer of amphibolite.	5	0	1	Tr
180.9	182.2	Amphibolite	Pink, black dark and	Medium grained	Well foliated	Pink, black, dark and light green, medium grained, well foliated amphibolite. 1% fine disseminated and blebby pyrrhotite.	5	7	Tr	1
182.2	183.1	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous.	5	0	1	Tr
183.1	185.0	Amphibolite	Pink, black dark and	Medium grained	Well foliated	Same as previous.	5	7	Tr	1
185.0	191.0	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous.	5	0	1	Tr
191.0	192.0	Amphibolite	Pink, black dark and	Medium grained	Well foliated	Same as previous.	5	7	Tr	1
192.0	193.4	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous. >1% fine grained disseminated sulfides.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
193.4	202.7	Amphibolite	Pink, black dark and	Medium grained	Well foliated	Same as previous. >1% fine grained disseminated sulfides.	5	7	Tr	Tr
202.7	203.8	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous.	5	0	Tr	Tr
203.8	230.0	Amphibolite	Pink, black dark and	Medium grained	Well foliated	Same as previous. (230-EOH)	5	7	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 206	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 04/03/2011	Date Completed 06/03/2011	Date Logged March 4-7 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330460 Northing 5303653 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.3	Casing								
13.3	15.6	K-Altered Felsic Gneiss (G)	Pink, bluish-grey	Coarse-grained	Massive	Pink, bluish-grey, coarse grained, massive, potassically altered granitic felsic gneiss comprised of coarse grained quartz, feldspar, muscovite in a pervasively altered felsic matrix. >1% to 1% fine grained disseminated pyrite.	5	0	Tr	Tr
15.6	19.7	Felsic Gneiss (G)	Light grey and bluish grey	Coarse-grained	Massive	Light grey and bluish grey, coarse grained, massive, granitic felsic gneiss, comprised of coarse grained quartz, feldspar, muscovite and medium grained biotite in a felsic matrix. >1%-1% fine grained disseminated pyrite.	5	0	Tr	Tr
19.7	25.9	Felsic Gneiss (S)	Grey	Fine-grained	Weakly-moderately	Grey, fine-medium grained, weakly-moderately well foliated felsic gneiss. >1%-1% fine grained disseminated pyrite. Abundant spider veinlets.	7	0	Tr	Tr
25.9	27.3	Felsic Gneiss (G)	Light grey and bluish	Coarse-grained	Massive	Same as previous.	5	0	Tr	Tr
27.3	28.2	Felsic Gneiss (S)	Light grey	Medium-coarse	Weakly foliated	Light grey, medium-coarse grained, weakly foliated, felsic gneiss. >1% fine grained disseminated pyrite.	10	0	Tr	Tr
28.2	29.1	Felsic Gneiss (G)	Light grey and bluish	Coarse-grained	Massive	Same as previous.	5	0	Tr	Tr
29.1	38.6	Felsic Gneiss (S)	Light grey	Medium-coarse grained	Weakly foliated	Same as previous gneiss 19.7-25.9m. 1% fine grained disseminated pyrite-pyrrhotite. Lower contact is pervasively potassic altered. Spotty chlorite and epidote alteration patches. Localized 1 cm leached zones with mm-scale vugs.	30	0	1	Tr
38.6	62.4	Diorite	Grey, white and pink	Medium grained	Massive-weakly foliated	Grey, white and pink, medium grained, massive-weakly foliated diorite comprised of 60% up to 6 mm wide plagioclase feldspar phenocrysts, and 30% medium biotite in a felsic matrix. 1% fine grained disseminated pyrite. Abundant spider veinlets with sericite and potassic alteration haloes.	30	0	2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
62.4	65.4	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Dark grey, fine-medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated and blebby pyrite-pyrrhotite.	10	0	2	Tr
65.4	68.4	Felsic Gneiss (G)	Light grey and bluish	Coarse-grained	Massive	Same as previous.	5	0	1	Tr
68.4	70.8	Pegmatite	Green, orange and white			Green, orange, and white pegmatite with 20% garnet-biotite felsic gneiss selvages. 1-2% fine grained disseminated sulfides mainly occurring within garnet-biotite felsic gneiss selvages.	15	Tr	1	1
70.8	73.2	Garnet Biotite Felsic Gneiss	Pink, dark grey and black	Fine medium-grained	Well foliated	Pink, dark grey, and black, fine-medium grained, well foliated garnet biotite felsic gneiss. 2-3% fine grained disseminated, streaky, and blebby Py-Po. Localized leaked and vuggy sections.	65	5	2	1
73.2	76.8	Pegmatite				Mixed pegmatite and granitic felsic gneiss zone with selvages of garnet-biotite felsic gneiss, notably 76.3-76.8m - which includes a coarse grained (4 cm by 1 cm) clot of pyrrhotite.	15	Tr	1	1
76.8	77.7	Felsic Gneiss (QP)	Dark grey and white	Fine medium-		Dark grey and white, fine-medium grained, quartz pebble felsic gneiss. Localized spider veinlets. Trace fine grained disseminated sulfides.	15	0	1	Tr
77.7	79.8	Felsic Gneiss (G)	Black, white, greenish-bluish grey	Medium grained	Weakly foliated	Black, white, greenish-bluish grey, medium grained, weakly foliated, granitic felsic gneiss. 1-2% fine grained disseminated, and streaky pyrrhotite-pyrite. Localized spider veinlets.	10	0	1	1
79.8	93.4	Garnet Biotite Felsic Gneiss	Pink, dark grey and black	Fine medium-grained	Well foliated	Same as previous. 10% garnet porphyroblasts. Localized milky white quartz vein veins from 2-10 cm with coarse grained clots and blebs of pyrrhotite-pyrite. 2-3% fine grained sulfides overall but with sections of 3-4% sulfides locally. Localized spider veinlets. 85.2-85.7m - Diorite interlayer. 87.1-87.5m - zone with 1-1.5 cm euhedral garnet porphyroblasts, cordierite mantling crystals of garnet, and quartz. 89m - pervasive sericitic at the margins of spider veinlets. 89.4-89.8m - Pegmatite.	65	10	1	2
93.4	96.6	Pegmatite				Intermixed pegmatite-garnet biotite felsic gneiss zone with gneiss being digested and entrained by the pegmatite. Approximately 50% pegmatite and 50% entrained garnet-biotite felsic gneiss. Pervasive sericite alteration from .2-5 cm wide quartz veinlet running parallel to the core axis through three quarters of the unit. 1-2% fine grained disseminated and coarse grained blebby and clots of pyrrhotite and pyrite.	25	2	1	1
96.6	99.3	Garnet Biotite Felsic Gneiss	Pink, dark grey and black	Fine medium-grained	Well foliated	Same as previous. Unit is coarser grained and is more biotite rich than previous garnet-biotite felsic gneiss. 3-4% fine grained disseminated and coarse grained blebby, 1 cm wide Py-Po pyrite vein. Millimeter-scale parasitic folding.	75	10	2	2
99.3	101.1	Diorite	Grey, white and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
101.1	104.1	Garnet Biotite Felsic Gneiss	Pink, dark grey and	Fine medium-	Well foliated	Same as previous. Sulfides present as thin bands as well.	75	10	2	2
104.1	106.3	Diorite	Grey, white and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
106.3	115.3	Garnet Biotite Felsic Gneiss	Pink, dark grey and	Fine medium-	Well foliated	Same as previous. Localized (10 cm) pegmatite intervals. Localized zones of 4-5% sulfides.			2	2
115.3	118.0	Pegmatite\Felsic Gneiss (G)				Mixed pegmatite granitic gneiss unit. Localized potassic alteration. 2-3% fine grained disseminated, and blebby pyrite-pyrrhotite. Sulfides are associated with biotite rich sections.	10	0	2	1
118.0	121.7	Garnet Biotite Felsic Gneiss	Pink, dark grey and	Fine medium-	Well foliated	Same as previous. Localized (5-15 cm) pegmatite intervals.	75	10	2	2
121.7	127.8	Pegmatite\Felsic Gneiss (G)				Same as previous. Localized fibrous-acicular "mats" of fine grained sillimanite within the groundmass. Unit is 70% felsic gneiss (G) and 30% pegmatite. 126.9m - 10 cm band of pervasively potassic altered felsic gneiss.	10	0	2	1
127.8	128.9	Felsic Gneiss (QP)	Dark grey and white	Fine medium-		Same as previous.	10	0	1	Tr
128.9	140.0	Pegmatite\Felsic Gneiss (G)				Same as previous.	10	0	2	1
140.0	149.6	Garnet Biotite Felsic Gneiss	Pink, dark grey and black	Fine medium-grained	Well foliated	Same as previous. Localized muscovite and sillimanite within the matrix. Increased garnet porphyroblasts concentrated in bands up to 1 cm wide. Localized cm-scale pegmatite intervals. 140.6m - 5 cm wide band of pyrite.	65	15	2	2
149.6	162.7	Felsic Gneiss (S)	Dark grey	Medium grained	Moderately well foliated	Dark grey, medium grained, moderately well foliated, felsic gneiss. 1-2% fine grained disseminated pyrrhotite-pyrite. 150.6-151.1m - Porphyroblastic amphibole felsic gneiss interlayer.	10	0	1	1
162.7	183.7	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium-coarse grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite. Localized spider veinlets and pegmatite. Variable biotite content and grain size. Localized coarse clots of and blebs of pyrrhotite-pyrite.	15	0	1	1
183.7	184.5	Amphibolite	Dark green and pink	Medium grained	Well foliated	Dark green, and pink, medium grained, well foliated amphibolite. 1% fine disseminated sulfides. Patchy light green alteration zones.	5	10	Tr	1
184.5	185.9	Felsic Gneiss (QP)	Dark grey and white	Fine medium-		Same as previous.	5	0	1	Tr
185.9	187.8	Amphibolite	Dark green and pink	Medium grained	Well foliated	Same as previous.	5	10	Tr	1
187.8	188.8	Felsic Gneiss (QP)	Dark grey and white	Fine medium-		Same as previous.			1	Tr
188.8	206.0	Amphibolite	Dark green and pink	Medium grained	Well foliated	Same as previous. Garnet porphyroblasts are larger (up to 3 cm). Localized coarse grained blebs and clots (1-2 cm) of pyrrhotite and fine grained disseminated pyrrhotite-pyrite. 205.1-205.9m - quartz pebble felsic gneiss interlayer. (206-EOH)			Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 212	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06/03/2011	Date Completed 08/03/2011	Date Logged March 6-8 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330460 Northing 5303653 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.1	Casing								
13.1	21.3	K-altered Felsic Gneiss	Pink, bluish grey	Coarse grained	Massive	Pink, bluish gray, coarse grained, massive, potassically altered granitic felsic comprised of coarse grained quartz, feldspar, muscovite in a potassically altered felsic groundmass. >1% fine grained disseminated sulfides.	5	0	Tr	Tr
21.3	30.3	Felsic Gneiss (S)	Dark grey	Medium grained	Weakly foliated	Dark grey, medium grained, weakly foliated, felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite. Abundant spider veinlets with alteration haloes. Localized quartz veins.	5	0	1	Tr
30.3	32.6	Diorite	Black and white	Medium grained	Massive	Black and white, medium, massive, diorite comprised of 60% plagioclase phenocrysts, 20% biotite in a felsic matrix trace sulfides.	30	0	Tr	Tr
32.6	73.1	Felsic Gneiss (S)	Grey	Fine medium-grained	Weakly foliated	Grey, fine-medium grained, weakly foliated, felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite with localized zones of 1-2% sulfides. Localized 6-15 cm quartz clots. Abundant spider veinlets. Localized coarse grained blebs.	10	0	1	Tr
73.1	74.0	Pegmatite	Green, orange and			Green, orange, and white pegmatite. Barren-trace sulfides.	5	0	Tr	Tr
74.0	74.6	Felsic Gneiss (S)	Dark grey	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr
74.6	76.3	Felsic Gneiss (S)	Light grey	Medium grained	Well foliated	Light grey, medium grained, well foliated felsic gneiss. 1-2% fine grained disseminated sulfides.	10	0	1	1
76.3	81.0	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Black, pink, and dark grey, medium-coarse grained, well foliated garnet biotite felsic gneiss. 2-3% fine grained disseminated, blebby, and streaky sulfides.	60	20	1	2
81.0	84.5	Biotite Felsic Gneiss	Dark grey and black	Fine medium-	Well foliated	Dark grey, and black, fine-medium grained, well foliated biotite felsic gneiss. 1-2% fine grained disseminated, blebby, and clotty pyrrhotite and pyrite. 2% fine grained muscovite.	55	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
84.5	87.5	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous. 3-4% thin banded, coarse grained clots, medium grained streaky pyrrhotite-pyrite.	60	10	2	2
87.5	90.3	Pegmatite				Pegmatite zone with 25% digested and entrained garnet biotite felsic gneiss selvadges. 2-3% thin banded and streaky pyrrhotite-pyrite within garnet biotite felsic gneiss selvadges.	30	5	1	2
90.3	93.7	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous.	65	10	2	2
93.7	94.9	Pegmatite	Green white and grey			Green, white, and grey pegmatite and granitic gneiss with 1-2% fine grained disseminated, and streaky sulfides.	20	0	1	1
94.9	97.1	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous.	65	10	2	2
97.1	98.0	Felsic Gneiss (G)	Black, white, greenish-	Medium grained	Weakly foliated	Same as previous but without potassic alteration.	5	0	1	1
98.0	100.8	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous.	65	10	2	2
100.8	103.9	Pegmatite				Same as previous. 3-4% coarse grained of pyrrhotite-pyrite associated with garnet biotite felsic gneiss selvadges.	20	5	2	2
103.9	111.3	Felsic Gneiss (S)	Dark grey	Medium grained	Weakly foliated	Same as previous. Abundant spider veinlets with alteration haloes.	10	0	1	1
111.3	112.8	Pegmatite				Same as previous. 1-2% fine grained sulfides.	5	0	1	1
112.8	115.2	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous. 114.5m - Coarse grained 3 cm clots of pyrite-pyrrhotite.	65	10	2	2
115.2	122.8	Pegmatite				Mixed pegmatite (85%), granitic gneiss (10%), and garnet biotite gneiss (5%) unit.	20	2	1	2
122.8	134.0	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse grained	Well foliated	Same as previous. Variable biotite and garnet content throughout the unit. Localized mm to cm scale parasitic folding, felsic gneiss (S) interlayers and spider veinlets and potassic alteration.	65	10	2	2
134.0	138.5	Felsic Gneiss (G)	Black, white, greenish-	Medium grained	Weakly foliated	Same as previous. Pegmatitic intervals spider veinlets with sericite alteration. 1% fine grained disseminated sulfides.	10	Tr	1	Tr
138.5	139.7	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous. 1-2% fine grained sulfides.	65	10	1	1
139.7	145.2	Felsic Gneiss (G)	Black, white, greenish-	Medium grained	Weakly foliated	Same as previous. Localized garnet porphyroblasts, and potassic alteration. Localized coarse grained blebs of pyrite.	10	1	1	Tr
145.2	146.5	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous. Cm-scale pegmatite intervals.	65	10	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
146.5	154.8	Felsic Gneiss (G)	Black, white, greenish-	Medium grained	Weakly foliated	Same as previous. Localized potassic alteration, and coarse grained sulfides.	10	1	1	Tr
154.8	157.6	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium-coarse	Well foliated	Same as previous. 2-3% thin bands, streaky, and disseminated fine grained pyrrhotite-pyrite.	65	10	1	2
157.6	160.3	Diorite	Black and white	Medium grained	Massive	Same as previous.	30	0	1	Tr
160.3	187.7	Felsic Gneiss (S)	Dark grey	Medium grained	Well foliated	Grey, medium grained, well foliated felsic gneiss. 1-2% overall sulfides with 2-3% sulfides locally. Abundant spider veinlets. 173m - 3 cm pyrite clot in a quartz vein. 184.8m - chlorite alteration zone. Sulfide associated with biotite rich sections.	25	0	1	1
187.7	197.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss. 1% fine disseminated pyrrhotite.	15	0	Tr	Tr
197.6	206.8	Amphibolite	Black, dark green, pink	Medium grained	Well foliated	Black, dark green, pink, medium grained, well foliated amphibolite. Up to 2 cm garnet porphyroblasts.	5	20	Tr	Tr
206.8	209.3	Felsic Gneiss (QP)				Felsic gneiss (QP). >1% sulfides.	5	0	Tr	Tr
209.3	212.0	Amphibolite	Black, dark green, pink	Medium grained	Well foliated	Same as previous. (212-EOH)	5	20	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 454	Bearing of Hole from true North 205	Total Depth (m) 206	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08/03/2011	Date Completed 11/03/2011	Date Logged March 8-11 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330544
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303608
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	16.9	2 Mica Granite	Grey, pink and white	Coarse grained	Massive	Grey, pink, and white, coarse grained, massive 2 mica granite, comprised of coarse grained quartz, plagioclase and potassium feldspar, muscovite, and biotite. Localized potassic alteration zones and 8 cm quartz veins. >1% sulfides.	15	0	Tr	Tr
16.9	25.0	Felsic Gneiss (S)	Dark grey	Medium grained	Moderately well foliated	Dark grey, medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite.	10	0	1	Tr
25.0	35.4	Felsic Gneiss (S)	Dark grey	Medium grained	Moderately well foliated	Same as previous. Pervasive potassic alteration, and spider veinlets. 25.7-26m, 29.8-29.9m - UM Dike. 1% fine grained disseminated pyrite-pyrrhotite.	10	0	1	Tr
35.4	37.4	Pegmatite	White, bluish grey and pink			White, bluish grey, and pink pegmatite. >1% fine grained disseminated.	5	0	Tr	Tr
37.4	46.7	Felsic Gneiss (G)\Pegmatite				Mixed pegmatite and granitic felsic gneiss. 60% pegmatite and 40% granitic felsic gneiss. 1% fine grained disseminated sulfides.	10	0	1	Tr
46.7	63.9	Felsic Gneiss (S)	Dark grey	Fine medium-	Moderately well foliated	Dark grey, fine-medium grained, moderately foliated felsic gneiss. 1-2% fine grained disseminated and medium grained blebby pyrrhotite-pyrite.	15	0	1	1
63.9	80.1	Diabase Dike	Black and white	Fine medium-grained	Massive	Black and white, fine-medium grained, massive diabase dike. Localized broken and blocky core zones, healed faults running parallel to the core axis and at 50-60CA. Abundant 1 cm wide quartz-carbonate veins.				
80.1	88.6	Felsic Gneiss (G)	Dark grey	Medium grained	Moderately well foliated	Same as previous. 80.1-83m - Brecciated dike and felsic gneiss transitional lower contact zone. 1-2% fine grained disseminated pyrrhotite.	5	0	1	1
88.6	99.5	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Well foliated	Black, pink and dark grey, medium grained, well foliated garnet biotite felsic gneiss. 3-4% fine grained disseminated, streaky, and coarse grained blebs. Intermittent pegmatite sections.	65	7	2	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
99.5	102.4	Diorite	Grey	Medium grained	Massive	Grey, medium grained, massive, diorite comprised of 30% biotite 60% plagioclase phenocrysts. Unit is potassically altered. Spider veinlets. >1% sulfides.	30	0	Tr	Tr
102.4	104.5	Garnet Biotite Felsic Gneiss				Same as previous. 2-3% sulfides.	65	7	1	2
104.5	107.7	UMLAMP Dike								
107.7	109.7	Felsic Gneiss (G)	Dark grey	Medium grained	Moderately well foliated	Same previous.	5	0	1	1
109.7	110.8	UMLAMP Dike								
110.8	112.1	Diorite	Grey	Medium grained	Massive	Same previous.	30	0	Tr	Tr
112.1	113.3	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Well foliated	Same previous.	65	7	2	2
113.3	115.2	UMLAMP Dike				Same previous.				
115.2	121.0	Garnet Biotite Felsic Gneiss	Black, pink and dark grey	Medium grained	Well foliated	Same as previous. Mixed granitic felsic gneiss and pegmatite intervals. 119.3-120m - UMLAMP dike.	65	7	2	2
121.0	123.1	Felsic Gneiss (C)	Pink, green and dark grey	Coarse grained	Well foliated	Pink, green, and dark grey, coarse grained, well foliated/banded conglomeratic felsic gneiss. Quartz clasts are cm-scale and elongated in the S1 foliation direction.	5	0	1	1
123.1	125.0	Diorite	Grey	Medium grained	Massive	Same as previous.	30	0	1	Tr
125.0	128.6	Pegmatite	White, bluish grey and pink			Same as previous. 1% fine grained disseminated sulfides.	5	0	1	Tr
128.6	193.1	Diabase Dike				Intermittent fault zones with gouge, chlorite healed fault zones.				
193.1	196.4	Felsic Gneiss (S)	Grey	Medium grained	Well foliated	Grey, medium grained, well foliated felsic gneiss. 1% fine grained disseminated sulfides.	10	0	1	Tr
196.4	206.0	Amphibolite	Dark green, pink and black	Fine medium-grained	Well foliated	Dark green, pink, and black, fine-medium grained, well foliated amphibolite. .2-1 cm garnet porphyroblasts. 1% fine grained disseminated, and medium grained blebs pyrrhotite. (206-EOH)	5	7	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 454	Bearing of Hole from true North 205	Total Depth (m) 218	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 11/03/2011	Date Completed 14/03/2011	Date Logged March 12-14 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330544 Northing 5303608 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	Rock Type	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.1	Casing								
4.1	29.7	2 Mica Granite	Grey, black and white and pink	Coarse grained	Massive-weakly foliated	Grey, black, white, and pink, coarse grained, massive-weakly foliated 2 mica granite, comprised of coarse grained quartz, plagioclase and potassium feldspar, muscovite and biotite in a felsic groundmass. 1% fine grained disseminated sporadic pyrite.	5	0	1	Tr
29.7	57.4	Felsic Gneiss (G)	Pink, white, black and grey	Medium coarse grained	Weakly foliated	Pink, white, black and grey, medium-coarse grained, weakly foliated, granitic felsic gneiss comprised of quartz biotite and plagioclase feldspar in a felsic groundmass. Localized spider veinlets, milky white white quartz clots and veins (up to .6m in length). Unit is locally potassically and sericitically altered. 1% fine grained disseminated and blebby pyrite-pyrrhotite overall with localized sections of 1-2%.	15	0	1	Tr
57.4	70.9	Felsic Gneiss (S)	Dark grey-grey	Medium grained	Well foliated	Dark grey-grey, medium grained, well foliated felsic gneiss, comprised of medium grained quartz and fine grained biotite in a felsic groundmass. Overall 1-2% fine grained disseminated pyrite-pyrrhotite and locally 2-3%. Extensive amount of spider veinlets with well developed sericitic and potassic alteration haloes. 66.5-70m - Silicification. 10% of the core is blocky and broken in localized sections.	20	0	2	Tr
70.9	75.7	Diorite	White, black and pink	Medium grained	Massive-weakly foliated	White, black, and pink, medium grained, massive-weakly foliated diorite with 60% plagioclase phenocrysts and 30% biotite in a felsic groundmass. Extensive potassic alteration and abundant spider veinlets. 74.4m - Pegmatite interval. 1% fine grained disseminated pyrite	30	0	1	Tr
75.7	79.7	Felsic Gneiss (S)	Black, dark green and grey	Medium grained	Well foliated	Black, dark green and grey, medium grained, well foliated felsic gneiss comprised of 30% medium grained amphibole and biotite phenocrysts in a felsic groundmass. 2-3% fine grained disseminated and streaky pyrrhotite-pyrite. Localized sericitic and siliceous alteration.	30	0	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
79.7	80.6	Felsic Gneiss (S)	Dark grey-grey	Medium grained	Well foliated	Same as previous gneiss 57.7-70.9m.	20	0	2	Tr
80.6	84.5	Pegmatite	Green, orange and white			Green, orange, and white pegmatite with 10% felsic gneiss selvadges. 1-2% fine grained disseminated pyrite-pyrrhotite the majority of which is within the selvadges of gneiss.	5	0	1	1
84.5	86.0	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
86.0	86.6	Pegmatite				Same as previous. Potassically altered.	10	0	1	1
86.6	88.2	Biotite Felsic Gneiss	Black, grey and pink	Medium grained	Moderately well foliated	Black, grey, and pink medium grained, moderately well foliated biotite felsic gneiss. 2-3% fine grained disseminated, blebby and coarse grained clots of pyrrhotite-pyrite. 87.6m - 4 cm wide pyrrhotite-pyrite clot rimming a quartz vein. 87.7-88.2m - extensive spider veining with potassic alteration.	60	0	1	2
88.2	89.4	Pegmatite				Same as previous.	10	0	1	1
89.4	93.0	Biotite Felsic Gneiss	Black, grey and pink	Medium grained	Moderately well foliated	Same as previous. 89.4-71.9m - Extensive potassic and sericitic alteration. 2-3% fine grained disseminated and blebby pyrrhotite-pyrite.	60	0	1	2
93.0	97.3	Diabase Dike	Black and white	Medium grained		Black and white, medium grained diabase dike with quartz-carbonate veins . 95.7-m - brecciated fault zone with gouge and angulars clasts from .2-3 cm.				
97.3	102.5	Biotite Felsic Gneiss	Black , grey and white	Medium grained	Moderately well foliated	Black, grey, and white medium grained, moderately well foliated biotite felsic gneiss. 3-4% fine grained disseminated, and medium grained blebby pyrrhotite-pyrite. Localized breccia zones with host rock clasts in a biotite matrix. Localized pegmatite intervals. Upper contact altered by the intruding dike.	60	0	2	2
102.5	103.3	Pegmatite				Same as previous.	5	0	Tr	1
103.3	105.9	Biotite Felsic Gneiss	Black , grey and white	Medium grained	Moderately well foliated	Same as previous.	60	0	2	2
105.9	121.3	Garnet Biotite Felsic Gneiss	Pink, grey and black	Medium coarse grained	Well foliated	Pink, grey, and black, medium-coarse grained, well foliated garnet biotite felsic gneiss. 3-4% fine grained disseminated, streaky, thin bands, and coarse grained clots-blebs of pyrrhotite-pyrite. 5% of the unit is 10-30 cm pegmatite intervals. Localized spider veinlets with sericite and potassic alteration haloes. Biotite within the unit gradates from medium to coarse grained. Garnet porphyroblasts range from 1-2 mm to 10 mm.	65	5	2	2
121.3	123.1	Pegmatite				Same as previous.	5	0	Tr	1
123.1	128.6	Garnet Biotite Felsic Gneiss	Pink, grey and black	Medium coarse	Well foliated	Same as previous.	65	5	2	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
128.6	131.0	Felsic Gneiss (C)	White, grey and dark green	Coarse grained	Moderately well foliated	White, grey, and dark green, coarse grained, moderately well foliated conglomeratic felsic gneiss comprised of 10% 1 cm x 1-5 cm elongated silicified clasts. Clasts are elongated in the S1 direction. 5% coarse grained sub-rounded garnet porphyroblasts . 1-2% fine grained disseminated pyrite-pyrrhotite. Localized spider veinlets with alteration haloes. Lower half of unit is pervasively altered.	10	5	1	1
131.0	134.6	Felsic Gneiss (S)	Light grey	Medium - coarse	Moderately well foliated	Light grey, medium-coarse grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite.	10	0	1	1
134.6	148.1	Felsic Gneiss (G)	Pink, white, black and	Medium coarse	Weakly foliated	Same as previous. 1% overall sulfides with 1-2% fine grained disseminated locally.	5	0	1	Tr
148.1	150.7	Garnet Biotite Felsic Gneiss	Black, pink, white and grey	Medium-coarse grained		Black, pink, white, and grey, medium-coarse grained, garnet biotite felsic gneiss. 30% pegmatite intermixed with the gneiss. 3-4% fine grained disseminated, and coarse grained blebby and clots of pyrrhotite-pyrite.	65	5	2	2
150.7	152.8	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss with 10% coarse grained quartz in the fine grained felsic matrix. 2% fine grained disseminated sulfides .	5	0	1	1
152.8	158.9	Altered Garnet Biotite Felsic Gneiss	Grey, white and pink	Coarse grained	Well foliated	Grey, white, pink, coarse grained, well foliated altered garnet biotite felsic gneiss. Unit has bands of potassic and siliceous alteration. 3-4% fine grained disseminated, and coarse grained blebby pyrrhotite-pyrite with 4-5% locally. 153.6m - 40 cm quartz-carbonate vein running parallel to the core axis.	10	5	2	2
158.9	160.7	Garnet Biotite Felsic Gneiss	Black, pink, white and	Medium-coarse		Same as previous. Sulfides also occur in medium bands.	65	5	2	2
160.7	164.4	Pegmatite				Same as previous. 5% garnet biotite felsic gneiss selvages. 3-4% fine grained disseminated, medium-coarse grained blebby and clots of pyrrhotite-pyrite. 163.7-164.4 - Leached and vuggy zone.	5	2	2	2
164.4	167.0	Felsic Gneiss (S)	Black, dark green and	Medium grained	Well foliated	Same as previous gneiss 75.7-79.7m.	30	0	1	Tr
167.0	169.7	Felsic Gneiss (G)	Pink, white, black and	Medium coarse	Weakly foliated	Same as previous - 1-2% fine grained disseminated sulfides.	5	0	1	1
169.7	186.8	Felsic Gneiss (S)	Dark grey	Fine grained	Well foliated	Dark grey, fine grained well foliated felsic gneiss. Overall 1-2% fine grained disseminated pyrrhotite-pyrite with 2-3% locally associated with medium grained biotite sections.	20	Tr	1	1
186.8	188.7	Felsic Gneiss (S)	White and grey	Medium grained	Well foliated	White, grey, medium grained, well foliated felsic gneiss, comprised of 155 coarse grained nests of sillimanite/ 1-2% fine grained disseminated, blebby pyrrhotite-pyrite.	20	0	1	1
188.7	199.7	Felsic Gneiss (S)	White and grey	Medium grained	Well foliated	Same as previous as 169.7-186.8m.	20	Tr	1	1
199.7	218.0	Amphibolite	Dark green, black and	Medium grained	Well foliated	Dark green, black, and pink, medium grained, well foliated amphibolite. 1-10 mm garnet porphyroblasts. 1% fine grained disseminated pyrrhotite.(218-EOH)	5	7	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 459	Bearing of Hole from true North 205	Total Depth (m) 222	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 14/03/2011	Date Completed 16/03/2011	Date Logged March 15-17 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330638 Northing 5303559 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	9.8	Diorite	Black and white	Medium grained	Massive-weakly foliated	Black, and white, medium grained, massive diorite comprised of medium grained 60% plagioclase feldspar, and 30% biotite in a fine grained felsic matrix. >1-1% fine grained disseminated pyrite.	30	0	Tr	Tr
9.8	67.6	2 Mica Granite\Felsic Gneiss (S)	Pink, white and grey	Coarse grained	Massive-weakly foliated	Pink, white, and grey, coarse grained, massive-weakly foliated 2 mica granite comprised of muscovite, quartz, feldspar and biotite. Localized potassic alteration, spider veinlets. 1% fine grained disseminated, and coarse grained clots/blebs of pyrite-pyrrhotite with localized sections of 1-2% sulfides.	10	0	1	1
67.6	71.5	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Grey, coarse grained, moderately well foliated, felsic gneiss. 1-2% fine grained disseminated, blebby pyrite-pyrrhotite.	20	0	1	1
71.5	74.5	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Black, pink, and grey, medium grained, well foliated garnet biotite felsic gneiss. 2-3% fine grained disseminated, and coarse grained clots, and blebs of pyrrhotite-pyrite.	65	5	1	2
74.5	85.9	Felsic Gneiss (S)	Dark grey	Medium grained	Well foliated	Dark grey, medium grained, moderately well foliated felsic gneiss. 1-2% overall, 2-3% locally fine grained disseminated pyrrhotite-pyrite.	10	1	1	1
85.9	90.3	Felsic Gneiss (S)	Dark grey-grey	Medium grained	Well foliated	Same as previous gneiss 67.6-71.5m.	20	0	1	1
90.3	91.7	Pegmatite	Green, orange and			Green, orange, white pegmatite. >1% sulfides.	5	0	1	1
91.7	96.3	Felsic Gneiss (S)	Dark grey-grey	Medium grained	Well foliated	Same as previous.	20	0	1	1
96.3	99.6	Pegmatite	Green, orange and			Same as previous. 1-2% fine grained disseminated sulfides.	5	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
99.6	101.4	Amphibole Felsic Gneiss	Dark green and grey	Medium grained	Moderately well foliated	Dark green, and grey medium grained, moderately well foliated, porphyroblastic amphibole felsic gneiss. 1% fine grained disseminated pyrite. 30% medium grained porphyroblasts amphibole in a felsic matrix.	5	0	1	Tr
101.4	111.7	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss with coarse grained quartz, muscovite, and feldspar in a felsic gneiss. 2-3% overall, 3-4% locally of fine grained disseminated, and coarse grained blebs of pyrrhotite-pyrite. Spider veinlets with alteration haloes.	15	0	1	2
111.7	113.3	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Same as previous. 3-4% fine grained disseminated and streaky pyrite.	65	5	2	2
113.3	123.5	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
123.5	127.8	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Same as previous.	65	5	2	2
127.8	131.4	Altered Garnet Biotite Felsic Gneiss				Garnet Biotite Felsic Gneiss mixed with pegmatite, sericitic of potassically altered. 3-4% sulfides in less altered gneissic sections.	30	5	2	2
131.4	133.2	Pegmatite	Green, orange and			Same previous.	5	0	1	Tr
133.2	135.4	Banded Gneiss	Black, grey and pink	Medium grained	Well banded	Black, grey, and pink, medium grained, well banded felsic gneiss comprised of distinct pink siliceous cm-scale bands. 1-2% fine grained disseminated pyrite-pyrrhotite.	30	0	1	1
135.4	144.7	Pegmatite\Felsic Gneiss (G)				Mixed pegmatite and granitic felsic gneiss unit. 1-2% fine grained disseminated pyrite-pyrrhotite.	15	0	1	1
144.7	145.4	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Same as previous.	65	5	2	2
145.4	148.6	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
148.6	160.2	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Same as previous. Pervasive sericite alteration, and localized pegmatite intervals.			2	2
160.2	167.3	Pegmatite	Green, orange and			Same as previous.	10	0	1	Tr
167.3	186.9	K-Altered Felsic Gneiss (S)	Grey, black, pink and white	Medium-coarse grained	Altered	Grey, black, pink, and white, medium-coarse grained, potassically altered felsic gneiss. Pervasive spider veinlets with potassic alteration haloes. Localized brecciated intervals, quartz veins. 1-2% sulfides overall, 2-3% locally. Fine grained disseminated and medium-coarse grained clots and blebs of pyrite-pyrrhotite.			1	1
186.9	191.4	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
191.4	210.8	Felsic Gneiss (S)	Grey	Mediun grained	Well foliated	Grey, medium grained, well foliated felsic gneiss, 1-2% fine grained disseminated sulfides. 199.1-199.7, 203.7-204m - Coarse grained quartz pebble interlayers. Localized pegmatite intervals.	15	0	1	1
210.8	221.5	Amphibolite	Dark green and pink	Medium grained	Well foliated	Dark green, and pink, medium grained, well foliated amphibolite .2-10 mm garnet porphyroblasts. 1% fine grained disseminated and patchy pyrrhotite. (221.5- EOH)	5	10	0	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 459	Bearing of Hole from true North 205	Total Depth (m) 230	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 16/03/2011	Date Completed 18/03/2011	Date Logged March 17-18 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330638
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303559
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	14.0	Diorite	Grey and black	Medium grained	Massive	Grey and black, medium grained, massive diorite comprised of 60% plagioclase feldspar and 30% biotite in a felsic matrix. 2% fine grained disseminated	30	0	2	Tr
14.0	17.0	UM\LAMP Dike	Black and white	Fine grained		Black and white, fine grained and phenocrysts in a ultramafic\Lamp with 1% fine grained pyrrhotite.	0	0	Tr	1
17.0	37.3	2 Mica Granite	Pink, white and grey	Coarse grained		Pink, white, and grey, coarse grained muscovite, quartz, plagioclase and potassium feldspar and biotite in a fine grained felsic groundmass. 2% fine grained disseminated and coarse grained blebs and clots of pyrrhotite	5	0	0	2
37.3	45.8	Felsic Gneiss (G)	Grey, pink and black	Medium grained	Weakly foliated	Grey, pink, and black, medium grained, weakly foliated, granitic felsic gneiss. 1% fine grained disseminated pyrite. Localized spider veinlets.	10	0	1	Tr
45.8	55.0	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Grey, fine-medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated sulfides.	5	0	1	Tr
55.0	56.9	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	2	Tr
56.9	60.1	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
60.1	67.1	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	2	Tr
67.1	69.6	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
69.6	73.5	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	2	Tr
73.5	77.8	Felsic Gneiss (G)	Grey, pink and black	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr
77.8	79.1	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
79.1	84.2	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	2	Tr
84.2	85.7	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
85.7	90.5	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous. Localized potassic alteration.	30	0	2	Tr
90.5	93.7	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
93.7	95.3	Garnet Biotite Felsic Gneiss	Black, grey and pink	Medium grained	Well foliated	Black, grey, and pink, medium grained, moderately well foliated, garnet biotite felsic gneiss. 2-3% fine grained disseminated and coarse grained blebby pyrrhotite-pyrite.	65	5	1	2
95.3	96.5	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
96.5	99.5	Felsic Gneiss (G)	Grey, pink and black	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr
99.5	105.1	Felsic gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
105.1	108.8	Amphibole Felsic Gneiss	Dark green and grey	Medium grained	Moderately well foliated	Dark green, and grey, medium grained, moderately well foliated porphyroblastic amphibole felsic gneiss comprised of 30% medium grained amphibole and biotite porphyroblasts in a fine grained felsic matrix. 1-2% fine grained disseminated pyrrhotite-pyrite. 106.6-107.5m - Pervasive chlorite alteration.	30	0	1	1
108.8	110.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	5	0	1	Tr
110.2	117.2	Altered Garnet Biotite Felsic Gneiss	Dark green, pink and black	Medium grained	Moderately well foliated	Dark green, pink, and black, medium grained moderately well foliated altered garnet biotite felsic gneiss. 2-3% overall, with 3-4% locally of fine grained disseminated and coarse grained pyrrhotite-pyrite. Localized 5-10 cm UMLAMP dike interlayers.	65	5	1	2
117.2	120.7	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well, foliated, felsic gneiss. 1% fine grained disseminated pyrrhotite.	25	2	Tr	1
120.7	129.8	Garnet Biotite Felsic Gneiss	Pink, black and grey	Medium grained	Well foliated	Pink, black, and grey, medium grained, well foliated felsic gneiss. 1 cm garnet porphyroblasts. 3-4% fine grained disseminated, and coarse grained blebby pyrrhotite-pyrite.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
129.8	131.1	Felsic Gneiss (G)	Grey, pink and black	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr
131.1	136.2	Garnet Biotite Felsic Gneiss	Pink, black and grey	Medium grained	Well foliated	Same as previous.	65	5	2	2
136.2	137.4	Felsic Gneiss (G)	Grey, pink and black	Medium grained	Weakly foliated	Same as previous. Pervasive potassic alteration.	10	0	1	Tr
137.4	143.3	Garnet Biotite Felsic Gneiss	Pink, black and grey	Medium grained	Well foliated	Same as previous. Intermixed pegmatite at lower contact.	65	5	2	2
143.3	159.6	Pegmatite				Pegmatite with 30% felsic gneiss selvages. 2-3% fine grained disseminated pyrrhotite-pyrite in the selvages.	5	0	1	2
159.6	168.4	Garnet Biotite Felsic Gneiss	Pink, black and grey	Medium grained	Well foliated	Same as previous. Localized sericite alteration, and localized sillimanite occurring in the matrix.	65	5	2	2
168.4	171.6	Pegmatite				Same as previous. 170.4m - 10 x 4 cm massive pyrite-pyrrhotite vein. 171.1m - 7 x 4 cm massive pyrite-pyrrhotite vein.	5	0	Fine	2
171.6	176.0	K-altered Felsic Gneiss (S)	Black, pink and grey	Medium grained	Moderately well foliated	Black, pink, and grey medium grained, moderately well foliated K-altered felsic gneiss. 1-2% fine grained disseminated, coarse grained blebby pyrrhotite-pyrite.	15	0	1	1
176.0	198.1	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous. Localized coarse grained blebs of pyrrhotite-pyrite. Grain size transitions from fine-medium grained back to fine grained over the course of the unit.	25	0	Tr	1
198.1	216.0	UMLAMP Dike	Black and white	Fine grained		Same as previous.				
216.0	219.8	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous.	15	0	2	1
219.8	222.5	Amphibolite	Dark green, pink and grey	Medium grained		Dark green, pink, and grey, medium grained, amphibolite. Mixed 15 cm scale quartz pebble interlayers. >1% fine grained disseminated pyrrhotite-pyrite.	5	5	Tr	Tr
222.5	230.0	UMLAMP Dike	Black and white	Fine grained		Same as previous. (230-EOH)				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 459	Bearing of Hole from true North 205	Total Depth (m) 107	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 18/03/2011	Date Completed 20/03/2011	Date Logged March 18-20 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330720
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303512
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.7	Casing								
2.7	3.7	UMLAMP Dike	Black and white	Fine grained		Black and white, fine grained ultramafic-lamprophyric dike with medium-coarse grained phenocrysts of plagioclase feldspar. Phenocrysts occur as anhedral-euhedral crystals and range from 1-10 mm in size.				
3.7	73.7	Diabase Dike	Black and white	Medium grained		Black and white, medium grained diabase dike. Intermittent sections of UMLAMP dike.				
73.7	74.6	UMLAMP Dike	Black and white	Fine grained		Same as previous.				
74.6	85.3	Altered Felsic Gneiss (S)	Light grey	Fine-medium grained	Moderately well foliated	Light grey, fine-medium grained, moderately well foliated altered felsic gneiss (S). 1% fine grained disseminated pyrite overall with 1-2% fine grained-medium disseminated pyrite locally. Localized 5 cm wide quartz clots.			1	1
85.3	107.0	Diabase Dike	Black and white	Medium grained		Same as previous. (107-EOH)				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 459	Bearing of Hole from true North 205	Total Depth (m) 221	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 20/03/2011	Date Completed 22/03/2011	Date Logged March 21-23 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330720
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303512
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.1	Casing								
4.1	4.6	K-altered Felsic Gneiss (G)	Pink	Medium grained	Weakly foliated	Pink, medium grained, weakly foliated, potassically altered granitic felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
4.6	14.9	Amphibole Felsic Gneiss	Black , white and grey	Medium grained	Porphyroblastic	Black, white, and grey, medium grained porphyroblastic amphibole felsic gneiss comprised of porphyroblastic 30% amphibole and biotite in a felsic matrix. 1% fine grained disseminated pyrite.	30	0	1	Tr
14.9	27.0	Felsic Gneiss (S)	Dark grey	Fine grained	Weakly foliated	Dark grey, fine grained, weakly foliated, felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite, with localized 1-2% medium-coarse grained blebs of pyrite-pyrrhotite. Pervasive sericitic and potassic alteration and numerous spider veinlets.	10	0	1	Tr
27.0	35.7	Felsic Gneiss (G)	White, pink and grey	Coarse grained		White, pink, and grey, coarse grained, granitic felsic gneiss. 1% fine disseminated pyrite-pyrrhotite. Locally medium grained blebs of pyrrhotite-pyrite.	5	0	1	Tr
35.7	72.0	Felsic Gneiss (S)	Dark grey	Fine - medium	Weakly foliated	Dark grey, fine-medium grained, weakly foliated, felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite.	15	0	1	1
72.0	76.6	Felsic Gneiss (QP)	Grey and white	Medium grained	Weakly foliated	Grey and white, medium grained, weakly foliated, quartz pebble felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite.	10	0	1	1
76.6	80.7	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well foliated	Light grey, fine-medium grained, felsic gneiss, moderately well foliated. 1-2% fine grained disseminated pyrite-pyrrhotite.	15	0	1	1
80.7	97.4	Felsic Gneiss (S)	Dark grey	Medium grained	Weakly-moderately foliated	Dark grey, medium grained, weakly-moderately well foliated felsic gneiss. 1-2% fine grained disseminated pyrrhotite-pyrite. Localized medium-coarse grained clots and blebs associated with pegmatite and quartz clots and biotite rich sections. Localized mm-scale vugs. 88.4, 88.6, and 93.3m - 15-30 cm pegmatite intervals with .5-1 cm clots of pyrrhotite-pyrite and coarse grained booklets of biotite.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
97.4	106.2	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly - moderately foliated	Grey, medium-coarse grained, weakly- moderately well foliated felsic gneiss. 1% sulfides overall with 1-2% pyrite-pyrrhotite in localized sections associated with biotite rich areas.	10	0	1	1
106.2	111.9	Banded Gneiss	Dark grey and dark green	Fine-medium grained	Well banded	Dark grey and dark green, fine-medium grained, well banded gneiss comprised of alternating green and dark purplish grey distinct siliceous bands. Intermittent porphyroblastic amphibole felsic gneiss sections. 2-3% pyrrhotite-pyrite as medium-coarse grained blebs and as fine grained disseminations. Coarse grained blebs are associated with localized 10-15 cm sections of intense chlorite alteration.	25	2	1	2
111.9	113.6	Biotite Felsic Gneiss	Black and grey	Medium grained	Well foliated	Black, and grey, medium grained well foliated biotite felsic gneiss. 3-4% fine grained disseminated and streaky pyrrhotite and pyrite. Localized cm-scale wide quartz veins.	62	Tr	2	2
113.6	114.8	Pegmatite	Grey, black and green			Grey, black, and green, pegmatite with 10% biotite felsic gneiss selvadges . 2-3% coarse grained clots of pyrrhotite-pyrite.	15	0	1	2
114.8	120.2	Biotite Felsic Gneiss	Black and grey	Medium grained	Well foliated	Same as previous.	65	Tr	2	2
120.2	121.8	Diorite	White, black and pink	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
121.8	126.3	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Grey, medium grained, weakly foliated felsic gneiss. Mixed unit with interlayers of diorite and pegmatite and altered sections. 1-2% fine grained disseminated and medium grained disseminated pyrite-pyrrhotite.	15	0	1	1
126.3	129.7	Felsic Gneiss (G)	Pink	Medium grained	Weakly foliated	Same as previous. 5% fine grained sillimanite in the matrix.	10	0	1	Tr
129.7	134.9	Garnet Biotite Felsic Gneiss	White, black , pink and grey	Medium-coarse grained	Moderately well foliated	White, black, pink and grey, medium-coarse grained, moderately well foliated garnet biotite felsic gneiss. 3-4% fine grained disseminated, streaky and medium grained blebby pyrrhotite-pyrite. Localized quartz clots of sillimanite.	65	5	2	2
134.9	136.7	Felsic Gneiss (G)	Pink	Medium grained	Weakly foliated	Same as previous. 20% garnet biotite felsic gneiss selvadges with 3-4% sulfides with selvadges as fine grained disseminated, streaky, and medium grained blebby pyrrhotite-pyrite. Potassic alteration within the granitic felsic.	30	2	1	1
136.7	138.5	Garnet Biotite Felsic Gneiss	White, black , pink and	Medium-coarse	Moderately well foliated	Same as previous.	65	5	2	2
138.5	140.5	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated, blebby pyrite-pyrrhotite.	10	0	1	1
140.5	143.1	Banded Gneiss	Dark grey and dark	Fine-medium	Well banded	Same as previous. 1-2% fine grained disseminated and streaky pyrite-pyrrhotite. 1-5 mm garnet porphyroblasts.	25	2	1	1
143.1	145.8	Pegmatite				Same as previous. 2-3% fine grained and thick banded pyrrhotite-pyrite. 145.7m - 1 cm x 4 cm pyrrhotite.	15	0	1	2
145.8	148.6	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. 2-3% fine grained disseminated pyrrhotite-pyrite.	15	2	2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
148.6	150.4	Pegmatite				Same as previous.	15	0	1	2
150.4	152.2	Garnet Biotite Felsic Gneiss	White, black , pink and	Medium-coarse	Moderately well foliated	Same as previous.	65	5	2	2
152.2	155.2	Felsic Gneiss (G)	Pink	Medium grained	Weakly foliated	Same as previous. 1-2% sulfides.	15	0	1	1
155.2	158.3	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Same as previous gneiss 138.5-140.5m. Localized spider veinlets.			2	1
158.3	170.6	Felsic Gneiss (G)	Pink	Medium grained	Weakly foliated	Same as previous. 2-3% sulfides, locally occurring as coarse grained clots. Localized sericitic and potassic alteration. Localized cm-scale pegmatite intervals.	15	0	1	2
170.6	181.0	Garnet Biotite Felsic Gneiss	White, black , pink and	Medium-coarse	Moderately well foliated	Same as previous.	65	5	2	2
181.0	205.7	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated, pyrrhotite-pyrite with localized coarse grained blebs associated with quartz veins. Spider veinlets with well developed alteration haloes.	10	0	1	1
205.7	207.9	Pegmatite				Same as previous.	5	0	Tr	Tr
207.9	212.4	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Same as previous. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
212.4	213.8	Amphibolite	Black, dark green	Medium grained	Well foliated	Black, dark green, medium grained, well foliated amphibolite. 1-2% fine grained disseminated Po.	5	5	Tr	1
213.8	214.7	Pegmatite				Same as previous.	5	0	Tr	Tr
214.7	217.1	Amphibolite	Black, dark green	Medium grained	Well foliated	Same as previous. >1% fine grained disseminated sulfides.	5	5	Tr	Tr
217.1	217.7	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Same as previous.	10	0	Tr	Tr
217.7	221.0	Amphibolite	Black, dark green	Medium grained	Well foliated	Same as previous. (221-EOH)	5	5	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 227	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06/04/2011	Date Completed 09/04/2011	Date Logged April 7-10 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330812 Northing 5303464 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	10.3	Casing								
10.3	15.9	Diorite	Black, white and grey	Medium grained		Black, white, and grey, medium grained diorite comprised of 60% medium grained plagioclase and 30% medium grained biotite in a felsic groundmass. Localized potassic alteration and quartz spider veinlets. 1% fine grained disseminated pyrite-pyrrhotite.	30	0	1	Tr
15.9	18.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well foliated	Grey, fine-medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite with localized zones of 1-2% pyrite-pyrrhotite. Localized quartz clots and quartz spider veinlets.	5	0	1	Tr
18.6	30.0	Felsic Gneiss (G)	Pink, white and grey	Medium-coarse grained	Weakly foliated	Pink, white, and grey, medium-coarse grained, weakly foliated granitic felsic gneiss. 1-2% fine-medium grained disseminated and blebby pyrite-pyrrhotite. Localized 2-3 cm pegmatite intervals and localized alteration (epidote, chlorite, and sericite) at 28.5m.	10	0	1	1
30.0	49.0	Felsic Gneiss (S)	Black and grey	Fine-medium grained	Moderately well foliated	Black, and grey, fine-medium grained, moderately well foliated felsic gneiss. Unit gradates from fine to medium to fine grained throughout the unit. 1% overall pyrite-pyrrhotite with localized zones of 1-2% fine grained pyrite-pyrrhotite associated with increased biotite content and quartz clots.	10	0	1	Tr
49.0	51.3	Diorite	Black, white and grey	Medium grained		Same as previous. 1-2% fine grained disseminated pyrite-pyrrhotite.	30	0	1	1
51.3	54.9	Felsic Gneiss (S)	Black and grey	Fine-medium	Moderately well foliated	Same as previous. 53m - 40 cm pegmatite interval with no appreciable increase in sulfides.	10	0	1	Tr
54.9	55.8	Diorite	Black, white and grey	Medium grained		Same as previous. Pervasive spider veinlets with potassic alteration, vugs and epidote alteration.	30	0	1	Tr
55.8	59.2	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss with sections (20 cm - 1m) of potassic alteration associated with spider veinlets. 1% fine grained disseminated, and streaky pyrite.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
59.2	60.5	Pegmatite	Green , white and grey			Green, white, and grey, pegmatite with 10% felsic gneiss selvages with 1-2% medium grained pyrite-pyrrhotite at the margins of the selvages.	5	0	1	Tr
60.5	62.9	Felsic Gneiss (S)	Dark grey	Fine grained	Well foliated	Dark grey, fine grained, well foliated felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite. Localized quartz clots and spider veinlets.	15	0	1	1
62.9	70.9	Felsic Gneiss (S)	Light grey-white	Coarse grained	Moderately well foliated	Light grey-white, coarse grained, moderately well foliated felsic gneiss. >1 to 1% fine grained disseminated with localized spider veinlets that have potassic alteration haloes.	12	0	1	Tr
70.9	72.2	Felsic Gneiss (G)	Light grey	Medium grained	Moderately well foliated	Same as previous.	10	0	1	Tr
72.2	74.6	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated felsic gneiss with intermixed 10-20 cm sections of amphibolite. 1% fine grained disseminated pyrrhotite-pyrite overall with 1-2 to 2-3% within the layers of amphibolite.	15	0	1	Tr
74.6	78.1	Biotite Felsic Gneiss	Black and dark grey	Fine grained	Well foliated	Black and dark grey, fine grained, well foliated biotite felsic gneiss with 2-3% fine grained disseminated streaky and medium grained pyrite-pyrrhotite. Localized chlorite alteration.	55	Tr	2	1
78.1	85.6	Diorite	Black, white and grey	Medium grained		Same as previous. Localized 10-15 cm quartz veins (barren), vugs and zones of broken\blocky core.	30	0	1	Tr
85.6	86.5	Pegmatite	Green, orange and			Green, orange, and white pegmatite with >1 to 1% pyrite associated with coarse booklets of biotite.	15	0	1	Tr
86.5	95.1	Diorite	Black, white and grey	Medium grained		Same as previous. Localized 10 cm pegmatite clots, spider veinlets that have chlorite, sericite, and potassic alteration haloes with no appreciable increased sulfides in alteration zones.	30	0	1	Tr
95.1	99.8	Felsic Gneiss (S)	Grey	Medium grained	Well foliated	Grey, medium grained, well foliated felsic gneiss with 2-3% fine-medium grained disseminated pyrite-pyrrhotite.	5	0	2	1
99.8	102.4	Biotite Felsic Gneiss	Black and dark grey	Fine grained	Well foliated	Same as previous. 3-4% fine-medium grained blebby and streaky pyrite-pyrrhotite.	60	0	2	2
102.4	105.1	Pegmatite	Green, orange and			Same as previous.	15	0	1	Tr
105.1	121.3	Garnet Biotite Felsic Gneiss	Pink, black and grey	Fine - medium grained	Well foliated	Pink, black, and grey, fine-medium grained well foliated garnet biotite felsic gneiss. 3-4% fine grained disseminated, streaky, medium-coarse grained and clots of pyrite-pyrrhotite. Garnet porphyroblasts are euhedral-subhedral and 1-12 mm. Unit has locally coarse grained section. Localized zones of 3-5% sulfides. 115.3-115.9; 117.7-117.9m; 118.1-118.6m - Quartz rich granitic pegmatite. 109.5-111m - Quartz vein with >1% sulfides.	65	10	2	2
121.3	132.4	Felsic Gneiss (G)	Piank, white and grey	Medium-coarse	Weakly foliated	Pink, white, and grey, medium-coarse grained, weakly foliated granitic felsic gneiss. Localized 10-30 cm intervals of pegmatite. 1-2% fine-medium grained pyrite-pyrrhotite.	5	0	1	1
132.4	136.2	Amphibole Felsic Gneiss	Green and grey		Porphyroblastic/well foliated	Green and grey, porphyroblastic, well foliated amphibole felsic gneiss comprised of 40% coarse grained porphyroblasts of amphibole (likley retrograded garnet porphyroblasts) in fine grained felsic groundmass. >1 to 1% fine grained disseminated pyrite.	10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
136.2	138.8	Felsic Gneiss (G)	Piank, white and grey	Medium-coarse	Weakly foliated	Same as previous.	5	0	1	1
138.8	140.3	Diorite	Black, white and grey	Medium grained		Same as previous.	30	0	1	Tr
140.3	147.1	Felsic Gneiss (G)	Grey, white and pink	Coarse grained	Weakly foliated	Grey, white, and pink, coarse grained, weakly foliated granitic felsic gneiss intermixed with pegmatite and biotite rich sections. Localized medium grained clots of sillimanite. 3-5% fine-medium grained disseminated and medium grained blebby and coarse grained clots of pyrite-pyrrhotite associated with pegmatite intervals, and biotite rich sections. Localized epidote alteration.	10	0	3	2
147.1	149.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Grey, fine-medium grained, moderately well foliated felsic gneiss. 1% fine grained streaky and schlieren pyrite. Localized spider veinlets. 149.3-149.7m - UMLAMP dike.	15	Tr	1	Tr
149.7	162.3	Garnet Biotite Felsic Gneiss	Black, pink and white	Medium grained	Moderately well foliated	Black, pink, and white, medium grained moderately well foliated garnet biotite felsic gneiss. 10% medium grained clots of sillimanite. 161.4-162.3m - intermixed with 50% pegmatite. 2-3% fine grained disseminated, coarse grained clots of pyrite-pyrrhotite. Localized sericite alteration.	50	15	1	Tr
162.3	168.7	Felsic Gneiss (QP)	Dark grey and white	Coarse grained	Well foliated	Dark grey and white, coarse grained, well foliated quartz pebble felsic gneiss with 60% coarse grained quartz crystals/fragments. 75% of unit is potassically altered. 1% fine grained disseminated pyrite with localized coarse grained clots of pyrite. 167.3-168m - barren pegmatite.	5	0	1	Tr
168.7	185.6	Felsic Gneiss (S)	Grey to dark grey	Fine-medium grained	Moderately well foliated	Grey to dark grey, fine-medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite. Localized spider veinlets, coarse grained muscovite and coarse grained clots of sillimanite.	5	0	1	Tr
185.6	187.5	Pegmatite	Green orange and			Barren, green orange and white pegmatite.	5	0	Tr	Tr
187.5	189.7	Felsic Gneiss (QP)	Dark grey and white	Coarse grained	Well foliated	Same as previous intermittent with pegmatite and amphibolite at lower contact.	5	0	1	Tr
189.7	192.8	Amphibolite	Green, pink and black	Fine grained	Moderately well foliated	Green, pink and black, fine grained, moderately well foliated amphibolite. 1% fine grained disseminated pyrrhotite.	5	7	Tr	1
192.8	209.7	Garnet Biotite Felsic Gneiss	Pink, black and grey	Medium-coarse	Moderately well foliated	Pink, black and grey, medium-coarse grained, moderately well foliated, garnet biotite felsic gneis. Unit gradates into a less biotite and garnet rich unit at the lower contact.	50	10	Tr	1
209.7	211.4	Amphibolite	Green, pink and black	Fine grained	Moderately well foliated	Same as previous. 1% overall fine grained disseminated pyrrhotite, with localized zones of 1-2% fine grained disseminated and thin banded pyrrhotite.	5	7	Tr	1
211.4	213.9	Felsic Gneiss (S)	Grey to dark grey	Fine-medium	Moderately well foliated	Same as previous. 1% medium grained blebs of pyrrhotite. Localized spider veinlets.	5	0	Tr	1
213.9	227.0	Amphibolite	Green, pink and black	Fine grained	Moderately well foliated	Same as previous. Localized sections of garnet poor amphibolite, and felsic gneiss (S). 219.5m - Coarse grained blebs of pyrrhotite-pyrite. Localized alteration zones. 226.5m - 2 cm wide pyrrhotite vein. Intermixed sections of felsic gneiss (S) (227-EOH)	5	7	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
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Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 236	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 09/04/2011	Date Completed 12/04/2011	Date Logged April 9-12 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330812
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303464
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.0	Casing								
7.0	11.1	Felsic Gneiss (S)	Dark grey	Fine-medium grained	Moderately well foliated	Dark grey, fine-medium grained, moderately well foliated felsic gneiss. 1% pyrite overall with localized zones of 1-2%. Pervasive spider veinlets with potassic alteration haloes. Localized coarse grained pyrite and vugs and quartz clots.	10	0	1	Tr
11.1	17.2	Diorite	Black and white	Medium grained		Black and white medium grained, diorite comprised of 60% medium grained plagioclase and 30% medium grained biotite in a fine grained felsic groundmass.	30	0	Tr	Tr
17.2	26.1	Amphibole Felsic Gneiss	Dark green and grey	Medium grained		Dark green, and grey, medium grained, amphibole felsic gneiss comprised of 35% medium grained elongate crystals of amphibole and biotite and in a felsic groundmass. >1% fine grained disseminated pyrite. Localized spider veinlets, sections of 1-2% fine grained disseminated pyrite-pyrrhotite, and quartz clots.	10	0	Tr	Tr
26.1	33.9	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. 1% overall fine grained disseminated pyrite-pyrrhotite with localized zones 1-2% sulfides. Fine-medium grained pyrrhotite-pyrite.	7	0	1	Tr
33.9	35.3	Amphibole Felsic Gneiss	Dark green and grey	Medium grained		Same as previous. Localized vuggy sections.	10	0	Tr	Tr
35.3	38.0	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Same as previous.	7	0	1	Tr
38.0	39.4	Amphibole Felsic Gneiss	Dark green and grey	Medium grained		Same as previous.	10	0	Tr	Tr
39.4	49.6	Felsic Gneiss (S)	Light grey	Fine-medium	Moderately well foliated	Light grey, fine-medium grained, moderately well foliated felsic gneiss. 1% overall with localized with localized 1-2% fine-medium grained pyrrhotite-pyrite.	5	0	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
49.6	55.0	Felsic Gneiss (G)	Light grey	Coarse grained	Weakly foliated	Light grey, coarse grained, weakly foliated granitic felsic gneiss. Unit comprised of coarse grained muscovite, plagioclase, biotite, and quartz. 1% fine grained disseminated pyrrhotite.	5	0	Tr	1
55.0	56.6	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite.	5	0	1	Tr
56.6	57.6	Amphibole Felsic Gneiss	Dark green and grey	Medium grained		Same as previous.	10	0	Tr	Tr
57.6	75.3	Felsic Gneiss (S)	Light and dark grey	Fine-medium grained	Moderately well foliated	Light and dark grey, fine-medium, moderately well foliated felsic gneiss. Unit gradates from more biotite rich sections to biotite poor sections. 1-2% fine grained disseminated medium grained blebby pyrite that is often associated with biotite. Localized quartz clots with sulfides at the margins. Potassic alteration at the lower contact with the underlying UMLAMP dike.	20	0	2	Tr
75.3	80.4	UMLAMP Dike	Black and white			Black and white phenocrystic ultramafic\lampophyric dike comprised of phenocrysts of plagioclase feldspar in a fine grained ultramafic-mafic dike.				
80.4	95.6	Felsic Gneiss (S)	Variable grey, pink and white	Medium-coarse grained		Variable grey, pink and white, medium-coarse grained felsic gneiss. Pervasive spider veinlets, pegmatitic intervals (10-20 cm), localized potassic, sericitic, and epidote alteration and localized vugs. 1% fine grained disseminated pyrite.	5	0	1	Tr
95.6	101.1	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated felsic gneiss intermixed with 20% garnet biotite felsic gneiss sections. 1% overall fine grained disseminated pyrrhotite-pyrite with localized zones of 1-2% sulfides associated with garnet biotite felsic gneiss sections. 1% fine grained disseminated pyrrhotite-pyrite with localized zones of coarse grained blebs of pyrrhotite. Localized sericite alteration zones.	12	2	Tr	1
101.1	104.5	Garnet Biotite felsic gneiss	Dark grey and pink	Fine grained	Well foliated	Dark grey, and pink, fine grained well foliated garnet biotite felsic gneiss. 1-2% fine grained disseminated and streaky pyrrhotite-pyrite.	60	5	1	1
104.5	106.3	Amphibole Felsic Gneiss	Dark green and grey	Medium grained		Same as previous. 2% garnet present.	10	2	Tr	Tr
106.3	107.3	Garnet Biotite felsic gneiss	Dark grey and pink	Fine grained	Well foliated	Same as previous.	60	5	1	1
107.3	114.3	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Grey, coarse grained, moderately well foliated, felsic gneiss. 1-2% fine grained disseminated pyrrhotite-pyrite. Unit contains coarse grained blebs of sulfides associated with quartz clots.	10	0	1	1
114.3	122.4	felsic Gneiss (S)	Grey and black	Fine grained	Moderately well foliated	Grey and black, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite with 1-2%	25	0	1	Tr
122.4	126.1	Felsic Gneiss (S)	Grey	Medium grained		Grey, medium grained felsic gneiss. 1-2% fine grained disseminated medium grained blebs of pyrrhotite-pyrite.	10	Tr	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
126.1	134.5	Felsic Gneiss (G)	Variable grey, pink and white	Coarse grained		Variable grey, pink and white, coarse grained granitic felsic gneiss comprised of coarse grained clots of sillimanite, quartz and feldspar. 1% fine grained disseminated pyrite-pyrrhotite with localized zones of 1-2%. 126.1m to 129m - zone of intense alteration (sericitic and potassic), spider veinlets and quartz clots. Localized coarse grained clots of pyrite-pyrrhotite.	5	0	1	Tr
134.5	137.0	Felsic Gneiss (S)	Grey and white	Medium grained	Moderately well foliated	Grey, and white, medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
137.0	143.1	Felsic Gneiss (S)	Variable grey	Fine-medium grained	Well foliated	Variable grey, fine-medium grained, well foliated felsic gneiss. Unit has intermixed ~10 cm amphibole felsic gneiss, localized spider veinlets and 10 cm intervals of pegmatite. 1% fine grained disseminated pyrite.	7	Tr	1	Tr
143.1	144.0	Pegmatite	Green, orange and			Green, orange, and white, granitic pegmatite with 1% fine-medium blebby pyrrhotite-pyrite.	2	0	Tr	1
144.0	146.1	Garnet Biotite felsic gneiss	Black, grey and pink	Medium grained	Moderately well foliated	Black, grey, and pink medium grained, moderately well foliated garnet biotite felsic gneiss intermixed on a cm-scale with 30% pegmatite. 2-3% medium grained streaky and blebby pyrite-pyrrhotite.			2	1
146.1	147.6	Felsic Gneiss (G)	Variable grey, pink	Coarse grained		Same as previous.	5	0	1	Tr
147.6	149.3	Garnet Biotite Felsic Gneiss	Black, grey and pink	Medium grained	Moderately well foliated	Same as previous. 148.2m - 2 cm x 10 cm pyrrhotite-pyrite.	60	5	2	1
149.3	160.3	Felsic Gneiss (G)	Variable grey, pink	Coarse grained		Same as previous. 1% sulfides overall with localized zones of 1-2%.	5	0	Tr	1
160.3	161.9	Garnet Biotite Felsic Gneiss	Black, grey and pink	Medium grained	Moderately well foliated	Same previous. 3-4% thin banded pyrrhotite-pyrite.	60	5	2	2
161.9	163.1	Felsic Gneiss (S)	Grey	Fine-medium		Grey, fine-medium grained felsic. > 1% sulfides.	5	0	Tr	Tr
163.1	167.9	Altered Garnet Biotite Felsic Gneiss			Altered	Garnet biotite felsic gneiss with pervasive potassic, sericitic and chlorite alteration. 1-2% fine grained disseminated and streaky sulfides.	35	5	1	1
167.9	170.2	Garnet Biotite Felsic Gneiss	Black, grey and pink	Medium grained	Moderately well foliated	Same as previous. 2-3% fine grained disseminated, and streaky pyrrhotite-pyrite.	60	5	1	2
170.2	172.2	Felsic Gneiss (S)	Light grey	Fine grained		Light grey, fine grained felsic gneiss with 80% intermixed quartz clots. 1-2% fine grained disseminated and streaky pyrrhotite-pyrite.	5	0	1	1
172.2	175.3	Biotite Felsic Gneiss	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated biotite felsic gneiss. 1-2% fine grained disseminated pyrrhotite-pyrite. 10% Intermixed pegmatite.	50	0	1	1
175.3	177.9	Felsic Gneiss (S)	Grey and green	Fine grained	Moderately well foliated	Grey and green, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrrhotite. Intermittent zones of chlorite alteration.	15	0	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
177.9	181.6	Biotite Felsic Gneiss	Dark grey	Fine grained	Moderately well foliated	Same as previous.	50	0	1	1
181.6	183.6	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrrhotite.	25	0	Tr	1
183.6	188.4	Felsic Gneiss (S)	Light grey	Medium grained	Weakly-moderately	Light grey, medium grained, weakly-moderately well foliated felsic gneiss with 5% medium grained sillimanite clots. 1-2% fine grained disseminated pyrrhotite-pyrite.	5	0	1	1
188.4	193.2	Felsic Gneiss (S)	Grey and white	Medium grained	Moderately well foliated	Same as previous gneiss from 134.5-137m.	10	0	1	Tr
193.2	204.6	Biotite Felsic Gneiss	Dark grey	Fine grained	Moderately well foliated	Same as previous.	50	0	1	1
204.6	205.6	Amphibolite	Dark green and pink	Fine grained		Dark green, and pink, fine grained amphibolite. 1% fine disseminated pyrrhotite. Garnet porphyroblasts range from 2 -20 mm in size.	5	2	0	1
205.6	208.0	Pegmatite	Green, orange and			Same as previous.	5	0	Tr	Tr
208.0	210.9	Amphibolite	Dark green and pink	Fine grained		Same as previous. Coarse grained garnet porphyroblasts. 1% fine grained disseminated pyrrhotite.	5	5	Tr	1
210.9	213.7	Garnet Biotite Felsic Gneiss	Dark grey and pink	Fine grained	Porphyroblastic/well foliated	Dark grey, and pink, fine grained porphyroblastic garnet biotite felsic gneiss. 1% fine grained disseminated pyrrhotite.	60	5	Tr	1
213.7	236.0	Amphibolite	Dark green and pink	Fine grained		Same as previous with intermixed garnet biotite felsic gneiss and more siliceous rich sections. 1% sporadic pyrrhotite. (236-EOH)	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 205	Total Depth (m) 251	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 12/04/2011	Date Completed 15/04/2011	Date Logged April 13-15 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330904 Northing 5303421 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	Rock Type	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.2	Casing								
7.2	9.5	Diorite	Black and white	Medium grained	Massive-weakly foliated	Black and white medium grained massive-weakly foliated chlorite comprised of 60% medium grained plagioclase and 30% biotite and amphibole in a felsic groundmass 1% fine grained disseminated pyrite.	30	0	1	Tr
9.5	10.1	Pegmatite	Pink, black and white			Pink, black, and white, granitic pegmatite. Pegmatite appears barren of sulfides.	5	0	Tr	Tr
10.1	20.4	Diorite	Black and white	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
20.4	21.9	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated felsic gneiss. Intermixed cm-scale scale pegmatite intervals. 1% pyrrhotite-pyrite overall.	5	0	Tr	Tr
21.9	23.4	Quartz Vein	Milky white			Milky white quartz vein with 5% altered felsic gneiss (S) selvages. 1-2% pyrite medium-coarse grained blebs of pyrite at the margins of the quartz vein.	2	0	2	Tr
23.4	26.3	Diorite	Black and white	Medium grained	Massive-weakly	Same as previous. Unit is intruded by pervasive quartz clots and veins, and spider veinlets. Unit has pervasive potassic, sericitic and epidote alteration.	30	0	1	Tr
26.3	55.2	Felsic Gneiss (S)	Variable grey	Fine-medium grained	Moderately well foliated	Variable grey, fine-medium grained, moderately well foliated felsic gneiss. >1-1% fine grained disseminated pyrite-pyrrhotite with localized zones of 1-2% medium grained pyrite-pyrrhotite. Intermittent spider veinlets, pegmatite intervals and alteration zones. 34-34.7m - Pegmatite with no visible increase in sulfides. 40.9-45.2m - Alteration zone with pervasive sericite, potassic and minor localized chlorite and epidote alteration. 53.3-54.5m - Potassically altered biotite-amphibole rich section.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
55.2	58.9	Felsic Gneiss (G)	Light grey, pink and white	Medium-coarse grained		Light grey, pink, and white medium-coarse grained, granitic felsic gneiss comprised of quartz, plagioclase, muscovite, and biotite. 1% fine grained-medium grained disseminated pyrite.	2	0	1	Tr
58.9	68.1	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well foliated	Grey, fine-medium grained, moderately well foliated felsic gneiss. Unit is intermittent with quartz clots, spider veinlets, and coarser grained sections. 1% fine grained disseminated pyrite overall with localized zones of 1-2% medium grained pyrite.	10	0	1	Tr
68.1	73.5	Altered Biotite Felsic Gneiss	Black and dark green	Fine grained	Moderately well foliated	Black and dark green, fine grained, moderately well foliated, altered biotite felsic gneiss. Unit is pervasively chlorite altered with minor sericitic alteration. 3-4% fine grained disseminated, streaky, and schlieren pyrite-pyrrhotite with localized coarse grained clots and thin bands of pyrite-pyrrhotite.	60	Tr	2	2
73.5	95.6	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss. Intermittent cm-scale pegmatite intervals. 1-2% fine grained disseminated and patchy pyrite-pyrrhotite. 76.6-77.4m - Section of altered biotite gneiss. 86.4-87.2m - Pegmatite.	7.5	0	1	1
95.6	97.9	Biotite Felsic Gneiss	Black	Fine grained	Well foliated	Black, fine grained, well foliated biotite felsic gneiss. 4% fine grained disseminated and medium grained blebby pyrrhotite-pyrite.	60	Tr	2	2
97.9	99.6	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	7.5	0	1	1
99.6	106.4	Biotite Felsic Gneiss	Black	Fine grained	Well foliated	Same as previous. Unit is locally garnet bearing (>1-1%). Locally intermittent felsic gneiss (S) sections.	60	Tr	2	2
106.4	108.0	Felsic Gneiss (QP)	Black and white	Medium grained		Black and white, medium grained, quartz pebble felsic gneiss. Intermittent 5-10 cm quartz veins. >1% fine grained disseminated pyrite.			Tr	Tr
108.0	109.3	Garnet Biotite Felsic Gneiss	Pink, black and grey	Fine grained	Well foliated	Pink, black, and grey, fine grained, well foliated garnet biotite gneiss. 2-3% fine grained disseminated, streaky, and thin banded pyrrhotite-pyrite.	60	5	1	2
109.3	112.8	Felsic Gneiss (QP)	Black and white	Medium grained		Same as previous.	10	0	Tr	Tr
112.8	116.2	Garnet Biotite Felsic Gneiss	Pink, black and grey	Fine grained	Well foliated	Same as previous. Garnet porphyroblasts are coarse grained.	60	5	1	2
116.2	133.6	Felsic Gneiss (G)	Variable grey, pink and white	Medium-coarse grained	Weakly foliated	Variable grey, pink, and white, medium-coarse grained, weakly foliated granitic felsic gneiss. Intermittent pegmatite intervals, spider veinlets, potassic alteration, and medium-coarse grained patchy clots of fine grained sillimanite. 1% fine grained disseminated pyrrhotite-pyrite overall with localized sections of 1-2% fine grained disseminated and coarse grained clots of pyrrhotite-pyrite.	5	1	Tr	1
133.6	138.1	Felsic Gneiss (C)	Black, green and dark grey	Fine-medium grained	Moderately well foliated	Black, green and dark grey, fine-medium grained, moderately well foliated, conglomeratic felsic gneiss comprised of 30% .5-3 cm flattened quartz clasts. Pervasively vugs and epidote alteration. 1% fine grained disseminated sulfides.	35	2	Tr	1
138.1	142.8	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Dark grey, fine-medium, moderately well felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
142.8	145.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Grey, black, and pink medium grained, moderately well foliated, garnet biotite felsic gneiss. Intermixed granitic felsic gneiss (granitic gneiss has been potassically altered).	60	5	1	2
145.4	147.1	Felsic Gneiss (S)	Dark grey	Fine-medium	Moderately well foliated	Same as previous. 1-2% medium grained disseminated and blebby pyrrhotite.	5	0	1	1
147.1	154.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 4% - medium-coarse grained blebby & clotty pyrrhotite-pyrite. Intermixed quartz clots, and localized finer grained sections.	60	5	2	2
154.3	161.1	Garnet Biotite Felsic Gneiss				Grey, fine grained, moderately well foliated-well foliated garnet biotite felsic gneiss. 1% fine grained disseminated pyrrhotite.	60	5	0	1
161.1	172.5	Felsic Gneiss (QP)	Black and white	Medium grained		Same as previous. Coarser grained quartz fragments. 1% fine grained disseminated pyrite.	10	0	1	Tr
172.5	176.6	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated pyrrhotite. Localized sericite alteration haloes around quartz spider veinlets.	10	0	Tr	2
176.6	186.9	Altered Felsic Gneiss (S)	Variable grey, pink and white	Medium-coarse grained	Altered	Variable grey, pink and white, medium-coarse grained altered (potassic and sericitic) felsic gneiss. Unit is intermittent with pervasively altered sections. Localized clots of pegmatite. >1% fine grained disseminated sulfides.	5	0	Tr	Tr
186.9	193.5	Felsic Gneiss (S)	Dark green, black and pink	Fine-medium grained	Moderately well foliated	Dark grey, fine-medium, moderately well foliated felsic gneiss intermixed with 40% granitic pegmatite. 10% fine grained disseminated pyrrhotite-pyrite within the felsic gneiss section. 190-190.7m - Granitic pegmatite (barren).	7	0	Tr	1
193.5	194.1	Amphibolite	Dark green, black and	Fine grained	Moderately well foliated	Dark green, black and pink, fine grained, moderately well foliated amphibolite. 1% fine grained disseminated pyrrhotite.	5	10	Tr	1
194.1	194.8	Felsic Gneiss (S)	Dark green, black and pink	Fine-medium	Moderately well foliated	Same as previous.	5	0	Tr	Tr
194.8	196.8	Amphibolite	Dark green and pink	Fine grained		Same as previous- Trace sulfides.	5	10	Tr	Tr
196.8	198.8	Felsic Gneiss (S)	Dark green, black and pink	Fine-medium	Moderately well foliated	Same as previous.	5	0	Tr	Tr
198.8	199.2	Amphibolite	Dark green and pink	Fine grained		Same as previous.	5	10	Tr	Tr
199.2	201.6	Garnet Biotite Felsic Gneiss	Dark grey and pink	medium grained	Weakly-moderately	Dark grey, and pink, medium grained, weakly-moderately well foliated garnet biotite felsic gneiss. 1% fine grained disseminated pyrrhotite.	60	10	Tr	1
201.6	203.7	Graphitic felsic Gneiss (S)	Dark grey	fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated graphitic felsic gneiss comprised of a felsic gneiss with 10% graphite. 2% fine grained disseminated pyrrhotite.	10	0	Tr	2
203.7	209.7	Garnet Biotite Felsic Gneiss	Grey, white and pink	Medium grained	Moderately well foliated	Grey, white, and pink, medium grained, moderately well foliated garnet biotite felsic gneiss. 10% medium grained clots of fine grained sillimanite. >1% fine grained disseminated sulfides. 206-206.8m;208.3-208.7m - Pegmatite.	60	10	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
209.7	210.7	Pegmatite				Barren granitic pegmatite.				
210.7	215.8	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated felsic gneiss with 5% porphyroblastic garnet. >1% fine grained disseminated sulfides.	20	5	Tr	Tr
215.8	230.0	Amphibolite	Dark green and pink	Fine grained		Same as previous. 215.8-220.8m - 1-2% to 2-3% fine grained disseminated and medium grained blebby pyrrhotite.	5	10	Tr	2
230.0	243.4	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated, felsic gneiss, with 1% fine grained disseminated pyrrhotite (sulfides are sporadic). Localized quartz clots, and medium grained euhedral amphibole crystals.	20	0	Tr	1
243.4	244.5	Felsic Gneiss (QP)	Black and white	Medium grained		Same as previous.	10	0	Tr	Tr
244.5	246.2	Pegmatite	Black and white	Medium grained		Same as previous. 246-246.2m - Felsic Gneiss (QP).	5	0	Tr	Tr
246.2	251.0	Pegmatite	Black and white	Medium grained		Same as previous. 1% fine grained disseminated pyrrhotite within last meter of the unit. (251-EOH)	20	0	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 205	Total Depth (m) 42	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 15/04/2011	Date Completed 15/04/2011	Date Logged April 15 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330904
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303421
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.3	Casing								
7.3	25.4	Diorite	Black and white	Medium grained	Massive-weakly foliated	Black and white, medium grained, massive-weakly foliated diorite comprised of 60% plagioclase and 30% biotite and amphibole crystals in a fine grained felsic groundmass. 1% fine grained disseminated pyrite overall with 1-2% locally. 13.6-14m - Pegmatite.	30	0	1	Tr
25.4	41.9	Felsic Gneiss (S)	Grey	Fine grained		Grey, fine grained felsic gneiss. Intermittent spider veinlets, and potassic/sericitic alteration zones. 1% fine grained and medium grained blebby pyrite-pyrrhotite. (41.9 - End of the hole. Drillers' stuck the bit in the hole, and is the reason why it was shut down so early).	5	0	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 205	Total Depth (m) 249	Dip of Hole At Collar 75	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 15/04/2011	Date Completed 18/04/2011	Date Logged April 16-18 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330904
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303421
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.0	Casing								
7.0	28.6	Diorite	Black and white	Medium grained	Massive-weakly foliated	Black and white, medium grained, massive-weakly foliated diorite comprised of 60% plagioclase and 30% biotite and amphibole crystals in a fine grained felsic groundmass. 1% fe grained disseminated pyrite with 1-2% pyrite locally.	30	0	1	Tr
28.6	44.0	Felsic Gneiss (S)	Grey	Medium grained	Weakly-moderately well foliated	Grey, medium grained, weakly-moderately well foliated felsic gneiss. 1% sporadic medium grained blebby pyrite. Localized quartz spider veinlets and 10-15 cm clots of pegmatite.	5	0	1	Tr
44.0	47.9	K-Altered Felsic Gneiss (S)	Pink, grey and white	Medium grained	Weakly foliated	Pink, grey, and white medium grained, weakly foliated potassically altered felsic gneiss. Unit has undergone pervasive potassic and minor chlorite alteration. Localized spider veinlets and quartz clots. >1-1% fine graine disseminated pyrite.	7	0	Tr	Tr
47.9	59.6	Diorite	Black and white	Medium grained	Massive-weakly	Same as previous. Spider veinlets with potassic alteration haloes. Localized sections of 1-2% fine grained disseminated pyrite.	30	0	1	Tr
59.6	63.1	Felsic Gneiss (S)	Grey	Medium grained	Weakly-moderately	Same as previous.			1	Tr
63.1	64.3	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Grey, and white, medium grained, massive-weakly foliated quartz pebble felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
64.3	68.2	Felsic Gneiss (S)	Light grey	Medium grained	Weakly foliated	Light grey, medium grained, weakly foliated felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite. Localized 10 cm and under clots of pegmatite and spider veinlets.	10	0	1	Tr
68.2	72.4	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous. 69.3-69.8m - intense zone of sericitic alteration around a quartz veinlet. Localized coarse grained grained clots of pyrite-pyrrhotite.	10	0	1	Tr
72.4	84.9	Felsic Gneiss (S)	Grey	Medium grained	Weakly-moderately	Same as previous.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
84.9	86.8	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
86.8	92.0	Felsic Gneiss (S)	Grey	Medium grained	Weakly-moderately	Same as previous. 1-2% Localized sections of 1-2% sulfides.	10	0	1	Tr
92.0	97.6	Felsic Gneiss (G)	Light grey, white and pink	Coarse grained	Massive-weakly foliated	Light grey, white and pink, coarse grained, massive-weakly foliated granitic felsic gneiss comprised of coarse grained quartz, plagioclase and potassium feldspar, biotite and muscovite in a felsic groundmass. 1% fine grained disseminated and coarse grained blebby pyrite-pyrrhotite.	5	0	1	Tr
97.6	128.0	Felsic Gneiss (S)	Grey	Medium grained	Weakly-moderately well foliated	Same as previous. 1-2% pyrite-pyrrhotite as fine disseminated and coarse grained clots most often associated with biotite and at the margins of quartz veins. 105.2m - 2 x 1 cm pyrrhotite veins at the margins of a quartz vein.	10	0	1	1
128.0	146.9	Biotite Felsic Gneiss	Black and grey	Medium grained	Well foliated	Black and grey, medium grained, well foliated biotite felsic gneiss with 1-2% fine grained disseminated and coarse grained blebby pyrite-pyrrhotite with 2-3% sulfides in localized sections. Localized potassic and chlorite alteration as well as 10% intermixed pegmatite clots.	50	0	1	1
146.9	151.4	Felsic Gneiss (C)	Dark green, black and grey	Medium grained	Moderately well foliated	Dark green, black, and grey, medium grained, moderately well foliated conglomeratic felsic gneiss comprised of 15% coarse quartz clasts that are elongated in the S1 foliation direction in a fine grained felsic groundmass. Localized potassic and chlorite alteration. 1-2% fine grained disseminated and streaky pyrite-pyrrhotite.	15	0	1	1
151.4	154.3	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite.	5	0	1	Tr
154.3	162.3	Garnet Biotite Felsic Gneiss	Dark grey, pink and black	Medium grained		Dark grey, pink, and black medium grained, garnet biotite felsic gneiss. 3-4% fine grained disseminated, thin banded and medium-coarse grained blebby pyrrhotite-pyrite. 157.9-159.5m - 60% intermixed pegmatite with localized 2-5 cm clots of pyrrhotite-pyrite.	60	5	2	2
162.3	167.9	Felsic Gneiss (S)				Same as previous. 1-2% pyrite-pyrrhotite. Localized spider veinlets.	5	Tr	1	1
167.9	175.0	Felsic Gneiss (G)	Pink, white and grey	Medium - coarse grained	Weakly foliated	Pink, white, and grey, medium-coarse grained, weakly foliated granitic felsic gneiss comprised of quartz, feldspar, biotite, and clots of fine grained sillimanite. 1% sulfides overall with sections of 1-2% fine grained disseminated and coarse grained clots of pyrite-pyrrhotite.	5	0	1	Tr
175.0	179.7	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Medium grained		Same as previous. 2-3% pyrrhotite-pyrite.	60	5	1	2
179.7	180.5	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
180.5	184.0	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Medium grained		Same as previous. Intermixed pegmatite, spider veinlets, and sericite alteration. 182-183m- fine grained blue mineral in the matrix (possible kyanite or cordierite).				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
184.0	191.8	Felsic Gneiss (S)	Dark grey	Fine-medium		Dark grey, fine-medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated pyrrhotite-pyrite. Localized chlorite and sericite alteration.	15	0	1	1
191.8	194.7	Pegmatite	Green, orange and			Green, orange and white, pegmatite with coarse grained booklets of biotite and 1% medium grained disseminated pyrite-pyrrhotite sporadically located				
194.7	215.7	Felsic Gneiss (S)	Dark grey	Fine-medium		Same as previous. Alteration is not as prevalent as it was in the last unit, occurring only around sporadic spider veinlets in this hole.	15	0	1	1
215.7	217.0	Amphibolite	Dark green, pink and	Fine grained	Well foliated	Dark green, pink and black, fine grained, well foliated amphibolite. 10% medium-coarse grained garnet porphyroblasts. 1% fine grained disseminated pyrrhotite.	5	10	Tr	1
217.0	219.6	Pegmatite	Green, orange and			Same as previous.	5	0	1	Tr
219.6	248.6	Amphibolite	Dark green, pink and	Fine grained	Well foliated	Same as previous. Localized coarse (1x3 cm) garnet porphyroblasts and localized coarse grained clots of pyrrhotite.(248.6-EOH)	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 205	Total Depth (m) 248	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 18/04/2011	Date Completed 21/04/2011	Date Logged April 19-21 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330992 Northing 5303393 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.0	Casing								
7.0	27.0	Diorite	Black and white	Medium grained	Massive-weakly foliated	Black and white, medium grained, massive-weakly foliated diorite comprised of 60% medium grained plagioclase feldspar and 30% medium grained biotite in a felsic groundmass. Localized spider veinlets with well developed potassic alteration haloes. Unit is intermixed with 5% 10-40cm intervals of pegmatite. 1% fine grained disseminated pyrite, with localized coarse grained clots of pyrite.	30	0	1	Tr
27.0	27.7	UMLAMP	Black	Fine grained		Black, fine grained UMLAMP dike with alteration halo (chlorite and potassic). Coarse grained booklets of biotite and medium-coarse grained crystals crystals of hematite. Alteration zone is brecciated at contacts with under and overlying units.	10	0	Tr	Tr
27.7	40.4	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss. Localized pegmatite clots, spider veinlets, and quartz clots. 1% fine grained disseminated pyrite, and sporadic medium grained blebs of pyrite.	7	0	1	Tr
40.4	45.0	Altered Felsic Gneiss (S)	White, grey and green	Medium grained	Well foliated	White, grey, and green, medium grained, well foliated altered felsic gneiss. Localized chlorite and potassic alteration. 1% fine grained disseminated pyrite.	5	0	1	Tr
45.0	56.6	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss. 53m - spider veinlet with a sericitic alteration halo that nearly replaces the entire host rock.	7	0	1	Tr
56.6	65.0	Felsic Gneiss (G)	Green, white, pink and grey	Medium-coarse grained	Weakly foliated	Green, white, pink, and grey, medium-coarse grained weakly foliated granitic felsic gneiss comprised of coarse grained quartz, muscovite, feldspar and biotite. Localized pegmatite intervals, spider veinlets, potassic and sericitic alteration.	5	0	1	Tr
65.0	70.2	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	7	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
70.2	81.1	Altered Felsic Gneiss (G)	Green, white, pink and grey	Medium-coarse grained	Weakly foliated	Felsic gneiss (G) that is the same as previous granitic gneiss but with 80% of the unit potassically and sericitically alteration. No appreciable increase in sulfides. 1% fine grained disseminated pyrite.	5	0	1	Tr
81.1	86.1	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	7	0	1	1
86.1	88.5	Amphibolite	Dark green, and black	Fine grained	Well foliated	Dark green, black fine grained, well foliated amphibolite with 2-3% fine grained disseminated, and streaky and thin banded pyrrhotite-pyrite.	5	1	1	2
88.5	97.5	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	7	0	1	1
97.5	108.4	Garnet Biotite Felsic Gneiss	Black, pink and grey	Fine grained	Moderately well foliated	Black, pink, and grey, fine grained, moderately well foliated, garnet biotite felsic gneiss. 2-3% fine grained disseminated and streaky pyrrhotite-pyrite.	60	5	1	2
108.4	110.4	Altered Garnet Biotite Felsic Gneiss	Green	Fine grained	Moderately well foliated	Green, fine grained, moderately well foliated, chlorite altered garnet biotite felsic gneiss. 1-2% pyrrhotite-pyrite as coarse grained clots and veins 3 cm x 5 cm. Numerous quartz veins/clots.	60	5	1	1
110.4	119.3	Garnet Biotite Felsic Gneiss	Black, pink and grey	Fine grained	Moderately well foliated	Same as previous. 3% fine grained disseminated, streaky, and coarse grained clots of pyrrhotite-pyrite. 113.7-114.2m - sections with coarse grained (1-2 cm) crystals of biotite with coarse grained clots of pyrite-pyrrhotite and quartz veinlets in the center of this section. 117.9-118.2m - quartz vein with sulfides at margin.	60	5	1	2
119.3	126.0	Felsic Gneiss (G)	Green, white, pink and	Medium-coarse	Weakly foliated	Same as previous. Medium-coarse grained. 1-2% fine grained disseminated pyrite-pyrrhotite in sections.	5	0	1	1
126.0	127.7	Amphibole Felsic Gneiss	Dark green, grey	Medium grained	Moderately well foliated	Dark green, grey, medium grained, moderately well foliated amphibole felsic gneiss comprised of 35% medium grained porphyroblastic amphibole and biotite in a fine grained felsic groundmass. Unit is potassically altered. 1% fine grained disseminated pyrite.	30	0	1	Tr
127.7	129.0	Pegmatite				Granitic pegmatite with less than 1% sulfides.	5	0	Tr	Tr
129.0	130.0	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Grey, and white, medium grained, moderately well foliated quartz pebble felsic gneiss. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
130.0	142.8	Felsic Gneiss (G)	Green, white, pink and	Medium-coarse	Weakly foliated	Same as previous. Coarse grained clots of sillimanite, and 1% fine grained garnet porphyroblasts.	5	1	1	1
142.8	143.8	Felsic Gneiss (S)	Green, white, pink and	Medium-coarse	Weakly foliated	Same as previous.	7	0	1	1
143.8	147.9	Felsic Gneiss (C)	Green, black and grey	Coarse grained	Moderately well foliated	Green, black, and grey, coarse grained moderately well foliated conglomeratic felsic gneiss comprised of 20% coarse quartz clasts that are elongated parallel to the S1 direction. Sericitic alteration haloes around spider veinlets. 1-2% fine grained disseminated pyrrhotite-pyrite.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
147.9	154.7	Felsic Gneiss (G)	Green, white , pink and	Medium-coarse	Weakly foliated	Same as previous.	5	1	1	1
154.7	157.2	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous. Section of 1-2% fine grained disseminated pyrite-pyrrhotite.	10	0	2	Tr
157.2	161.2	Felsic Gneiss (G)	Green, white , pink and	Medium-coarse	Weakly foliated	Same as previous. 3-4% fine grained disseminated pyrite-pyrrhotite with lesser medium and coarse grained clots.	5	0	2	2
161.2	174.9	Garnet Biotite Felsic Gneiss	Black, pink and grey	Fine grained	Moderately well foliated	Same as previous. 1-2% sulfides overall with 2-3% locally, and at the upper contact. *165m is the last of the most interesting rocks.	60	5	1	1
174.9	184.3	Felsic Gneiss (QP)	Grey and white	Medium grained	Moderately well foliated	Same as previous. Coarse grained quartz fragments. 1% fine grained disseminated pyrrhotite-pyrite. 179.6-180.2m - garnet biotite felsic gneiss interlayer. 181.4-181.9m - Quartz vein with a minor increase in sulfides at the veins' margin.	10	0	Tr	1
184.3	201.2	Felsic Gneiss (S)	Variable grey	Fine-medium	Moderately well foliated	Variable grey, fine-medium grained, moderately well foliated felsic gneiss. 20% intermixed pegmatite. 1% sulfides overall with localized sections of 1-2%.	10	Tr	Tr	1
201.2	209.3	Amphibolite	Dark green, black and	Fine grained	Moderately well foliated	Dark green, black, and pink , fine grained, moderately well foliated, amphibolite with coarse grained porphyroblasts of garnet. 1% fine grained streaky pyrrhotite.	5	10	Tr	1
209.3	220.6	Felsic Gneiss (S)				Intermixed felsic gneiss amphibolite unit with 1-2% fine grained disseminated, streaky pyrrhotite.	5	7	1	1
220.6	238.9	Amphibolite	Dark green, grey	Medium grained	Moderately well foliated	Same as previous. Localized interlayers of quartz pebble and felsic gneiss.	5	10	Tr	1
238.9	248.0	Felsic Gneiss (S)				Mixed with amphibolite. >1% sulfides as sporadic fine grained disseminations. (248-EOH)	10	Tr	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 205	Total Depth (m) 243	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 21/04/2011	Date Completed 23/04/2011	Date Logged April 21-23 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330992
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303393
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.1	Casing								
4.1	7.4	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated, felsic gneiss with 1% fine grained disseminated, and streaky pyrite.	5	0	1	Tr
7.4	18.2	Diorite	Black, white and grey	Medium grained		Black, white and grey, medium grained diorite comprised of medium grained plagioclase feldspar and medium grained biotite in a felsic groundmass. 14-17m - Diorite intruded by UMLAMP. Rocks surrounding dike are pervasively altered (potassic and chlorite). No appreciable increase in sulfides within the alteration zone.	30	0	1	Tr
18.2	24.2	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous. Localized pegmatite intervals.	5	0	1	Tr
24.2	38.0	Diorite	Black and white	Medium grained	Massive-weakly	Same as previous. Spider veinlets, pegmatite intervals.	30	0	1	Tr
38.0	55.6	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous. Pervasive spider veinlets and quartz clots.	5	0	1	Tr
55.6	65.3	Altered Felsic Gneiss (S)	Grey, green and pink	Medium grained		Grey, green, and pink, medium grained, pervasively altered felsic gneiss. 30% original host rock remains while the rest of the unit is pervasively altered. Alteration includes intense potassic and sericitic alteration and lesser localized epidote and chlorite alteration. Numerous quartz veins, and minor quartz-carbonate veins within the unit. No visible increase in sulfides.	5	0	1	Tr
65.3	75.8	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Grey, pink, and white, coarse grained, weakly foliated granitic felsic gneiss comprised of coarse grained muscovite, feldspar, quartz, and biotite. 1-2% fine grained disseminated and medium grained pyrite-pyrrhotite.	5	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
75.8	94.0	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous. 1-2% fine grained disseminated and medium-coarse grained pyrrhotite-pyrite often associated with biotite. 2-3% sulfides locally. 77.4m - quartz vein with very coarse grained vein\clot of pyrite at its margin. Rock is potassically at the contact with vein.	7.5	0	1	1
94.0	101.6	Biotite Felsic Gneiss	Black and grey	Fine grained	Well foliated	Black and grey, fine grained, well foliated biotite felsic gneiss. 3% fine grained disseminated and streaky pyrrhotite-pyrite.	60	0	1	2
101.6	109.5	Felsic Gneiss (S)	Light grey	Coarse grained	Well foliated	Light grey, coarse grained, well foliated felsic gneiss. 1-2% fine grained disseminated pyrrhotite-pyrite.	5	0	1	1
109.5	114.7	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Grey and white, medium grained, massive-weakly foliated quartz pebble felsic gneiss. Medium grained quartz fragments\clasts. 1% fine grained disseminated pyrite.	10	0	1	Tr
114.7	149.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Well foliated	Grey, fine-medium grained, well foliated felsic gneiss. Grain size and biotite content of the unit gradates from 20% biotite sections to sections with 5-10% and from fine grained to medium grained. 1-2% fine grained and coarse grained blebs and clots of pyrrhotite-pyrite. 2-3% sulfides in sections associated with increase biotite content. Numerous pegmatite intervals ranging from 5-60 cm in length, and localized granitic felsic gneiss interlayers (>10 cm). 134.4m - 60 cm Granitic Pegmatite. 138.5-143.5m- Biotite (20-30%) rich section with increased sulfides 2-3%.	20	0	1	1
149.4	155.2	Felsic Gneiss (C)	Dark green, and grey	Coarse grained	Well foliated	Dark green, and grey, coarse grained well foliated conglomeratic felsic gneiss. 25% coarse grained quartz clasts. 2-3% coarse grained clotty and fine grained streaky pyrite-pyrrhotite.	10	0	2	1
155.2	160.1	Felsic Gneiss (S)	Light grey	Coarse grained	Well foliated	Same as previous.	20	0	1	1
160.1	163.3	Garnet Biotite Felsic Gneiss	Black, pink and grey	Coarse grained	Moderately well foliated	Black, pink, and grey, coarse grained, moderately well foliated garnet biotite felsic gneiss. 2-3% coarse grained clotty and fine grained streaky pyrrhotite-pyrite.	60	5	1	2
163.3	165.4	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous.	5	0	1	Tr
165.4	169.6	Garnet Biotite Felsic Gneiss	Black, pink and grey	Coarse grained	Moderately well foliated	Same as previous. Unit is finer grained than previous gneiss. Sulfides occur predominantly in thin bands and as fine grained streaks. 3-4% sulfides.	60	5	2	2
169.6	171.7	Felsic Gneiss (S)	Light grey	Coarse grained	Well foliated	Same as previous. Localized pegmatite clots.	20	0	1	1
171.7	181.9	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous. 1-2% sulfides with coarse clots of pyrite-pyrrhotite in the last 3m of the unit.	5	0	1	1
181.9	187.7	Garnet Biotite Felsic Gneiss	Black, pink and grey	Coarse grained	Moderately well foliated	Same as previous.	60	5	2	2
187.7	191.0	Pegmatite				Granitic pegmatite with 10% garnet biotite felsic gneiss selvages.	5	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
191.0	195.1	Garnet Biotite Felsic Gneiss	Black, pink and grey	Coarse grained	Moderately well foliated	Same as previous.	60	5	2	5
195.1	197.1	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
197.1	203.6	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light grey, medium grained, moderately well foliated felsic gneiss.	5	0	1	1
203.6	209.6	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous. Coarse grained 1-2% sulfides.	10	0	1	1
209.6	217.1	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous. Medium grained and 1% sulfides. 214-214.7m - barren pegmatite.			1	Tr
217.1	219.4	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Same as previous. At the lower contact there is a quartz vein with a very coarse grained clot of pyrrhotite. 218.1-219m - barren pegmatite.	5	0	Tr	1
219.4	220.3	Amphibolite	Dark green, black and	Medium grained	Well foliated	Dark green, black and pink, medium grained well foliated amphibolite with 1% pyrrhotite.	5	10	Tr	1
220.3	222.5	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Same as previous.			Tr	1
222.5	242.7	Amphibolite	Dark green, black and	Medium grained	Well foliated	Same as previous. Localized sericite alteration, and felsic gneiss interlayers. Locally the unit has sections with >20% garnet porphyroblasts. (242.7- EOH)	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 366	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 23/04/2011	Date Completed 26/04/2011	Date Logged April 23-26 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330899 Northing 5303634 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	Rock Type	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.0	Casing								
7.0	39.1	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss. 1-2% to 1% fine grained disseminated pyrrhotite-pyrite. 22-23.4m - Potassic alteration and brecciation and coarse grained clots of pyrite. Localized quartz veins and 10-15 cm UMLAMP dikes. 32.1-32.7m - Interlayer of biotite (80%) schist, shear zone ? Biotite is coarse grained and well foliated\aligned. 34.3-35.2m - Interlayer of biotite felsic gneiss.	5	0	1	1
39.1	45.7	Biotite Felsic Gneiss	Black, bluish grey and grey	Medium grained	Moderately well foliated	Black, bluish grey, and grey, medium grained, moderately well foliated biotite felsic gneiss. 1% fine grained disseminated and spotty pyrite.	75	0	1	Tr
45.7	52.0	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite. Numerous spider veinlets with potassic alteration haloes. Lower contact of the unit is broken and blocky contains vugs and 1-2% sulfides.	5	0	1	Tr
52.0	59.2	Diorite	Grey, white and black	Medium grained	Massive-weakly foliated	Grey, white and black, medium grained, massive-weakly foliated diorite comprised of 60% medium grained plagioclase feldspar and 30% biotite in a felsic groundmass. 1% fine grained disseminated pyrite.	30	0	1	Tr
59.2	69.7	Felsic Gneiss (S)	Light grey	Fine grained	Weakly foliated	Light grey, fine grained, weakly foliated felsic gneiss. Unit is heavily broken and blocky and has numerous quartz healed fractures and quartz veinlets. 1-2% fine grained disseminated pyrite. Last 3m of the unit is more competent and sulfides occur also as streaks.	5	0	2	Tr
69.7	71.3	Diorite	Grey, white and black	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
71.3	74.3	Felsic Gneiss (S)	Light grey	Fine grained	Weakly foliated	Same as previous gneiss 45.7-52m. Localized sections of 1-2% sulfides.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
74.3	79.4	Diorite	Grey, white and black	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
79.4	88.5	Felsic Gneiss (S)	Light grey	Fine grained	Weakly foliated	Same as previous. 1-2% fine grained disseminated sulfides overall with sections of 2% grading into 2-3% fine-medium grained sulfides. Localized chlorite alteration and increased biotite which the increases in sulfides are associated with.	5	0	2	Tr
88.5	89.8	Amphibolite	Dark green, and black	Fine grained	Well foliated	Dark green, and black, fine grained, well foliated amphibolite. 1% fine grained disseminated and thin banded pyrrhotite with a very coarse grained clot of pyrrhotite occurring in a quartz clot near the lower contact.	5	Tr	Tr	1
89.8	100.8	Felsic Gneiss (S)	Light grey	Fine grained	Weakly foliated	Same as previous. Localized spider veinlets with potassic alteration haloes.	5	0	2	Tr
100.8	102.7	Amphibole Felsic Gneiss	Dark green, grey and black	Medium grained		Dark green, grey, and black, medium grained, amphibole felsic gneiss comprised of 30% amphibole and biotite in a felsic groundmass. 1% fine grained disseminated pyrrhotite. Lower contact is leached and has abundant vugs some of which have crystals of epidote in them.	30	0	Tr	1
102.7	105.4	Felsic Gneiss (S)	Light grey	Fine grained	Weakly foliated	Same as previous. 1% fine grained disseminated pyrite.	5	0	1	Tr
105.4	116.8	Diorite	Grey, white and black	Medium grained	Massive-weakly	Same as previous. Spider veinlets with potassic alteration haloes.	30	0	1	Tr
116.8	125.8	Felsic Gneiss (S)	Light grey	Fine grained	Weakly foliated	Same as previous.	5	0	1	Tr
125.8	126.4	Amphibolite	Dark green, grey and	Medium grained		Same as previous.	5	Tr	Tr	1
126.4	130.3	Felsic Gneiss (S)	Light grey	Medium coarse	Moderately well foliated	Light grey, medium-coarse grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite with localized 10 cm sections of 1-2% sulfides.	5	0	1	Tr
130.3	132.1	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous. Coarse grained quartz fragments\clasts.	10	0	1	Tr
132.1	133.4	Felsic Gneiss (S)	Light grey	Medium coarse	Moderately well foliated	Same as previous.	5	0	1	Tr
133.4	138.1	Amphibolite	Dark green, grey and	Medium grained		Same as previous.	5	Tr	Tr	1
138.1	156.8	Felsic Gneiss (S)	Light grey	Medium coarse	Moderately well foliated	Same as previous. 138.1-138.7m - Barren quartz vein. 149, 150, and 151m - localized 10-30 cm sections of 3-4% coarse grained blebs and clots of pyrrhotite-pyrite.	5	Tr	1	1
156.8	158.9	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
158.9	170.1	Felsic Gneiss (S)	Light grey	Medium coarse	Moderately well foliated	Same as previous. Unit gradates from medium-coarse grained, biotite content is variable throughout unit..	7.5	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
170.1	177.4	Diorite	Grey, white and black	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
177.4	182.6	Felsic Gneiss (S)	Light grey	Medium coarse	Moderately well foliated	Same as previous.	7.5	0	1	1
182.6	197.0	Felsic Gneiss (G)	Light grey, pink and white	Coarse grained	Weakly foliated	Light grey, pink and white, coarse grained, weakly foliated granitic felsic gneiss. Localized pegmatite clots. >1-1% fine grained disseminated pyrite. 191m - 1 cm UMLAMP dike running parallel to the core axis. 192.5m - 20 cm UMLAMP dike cutting across core axis.	10	0	Tr	Tr
197.0	258.4	Diabase	Black and white	Medium grained	Massive	Black and white medium grained, massive diabase dike. Intruded by several UMLAMP dikes.				
258.4	269.3	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Moderately well foliated	Black, pink, and grey medium grained, moderately well foliated, garnet biotite felsic gneiss. 3% fine grained disseminated, coarse grained pyrrhotite-pyrite. Pegmatite interval with very coarse grained pyrite. Localized chlorite alteration. 263.6m - 10 x 5 cm pyrite clot.	50	7	2	1
269.3	270.7	UMLAMP Dike				Dike				
270.7	272.1	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Moderately well foliated	Same as previous.	50	7	2	1
272.1	274.6	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.				
274.6	287.1	Felsic Gneiss (S)	Light grey	Medium grained	Moderately well foliated	Light and dark grey, medium grained, moderately well foliated, felsic gneiss. Intermixed potassic alteration zones, and clots of pegmatite. 1-2% fine grained disseminated, and coarse grained clots of pyrite-pyrrhotite.				
287.1	289.2	Pegmatite	Green, orange and			Green orange and white, granitic pegmatite, with 20% biotite garnet felsic gneiss selvages. 1-2% fine grained disseminated and streaky pyrite-pyrrhotite.	5	0	1	1
289.2	300.2	Felsic Gneiss (S)	Light grey	Medium grained	Well foliated	Light grey, medium grained, well foliated felsic gneiss. 1% fine grained disseminated pyrite overall with 1-2% locally associated with biotite rich sections.	10	0	1	Tr
300.2	301.5	Altered Biotite Felsic Gneiss	Green and black	Medium grained	Altered	Green, and black, medium grained, brecciated chlorite altered biotite felsic gneiss. 1% coarse grained clots and fine grained disseminated pyrrhotite, overall with localized sections of 1-2%.	55	0	Tr	1
301.5	308.9	Felsic Gneiss (S)	Light grey	Medium grained	Well foliated	Same as previous.	10	0	1	Tr
308.9	330.0	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous with felsic gneiss (S).	10	0	1	Tr
330.0	366.3	Amphibolite	Patchy light and dark green and	Fine grained	Moderately well foliated	Patchy light and dark green and pink, fine grained, moderately well foliated amphibolite with medium-coarse grained porphyroblasts of garnet. Localized felsic gneiss (QP) and (S) interlayers, pegmatite intervals and coarse grained clots of pyrrhotite. (366.3 -EOH)	5	15	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
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Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 267	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 23/04/2011	Date Completed 27/04/2011	Date Logged April 23-28 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331030
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303344
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.3	Casing								
7.3	10.7	Diorite	Black and white	Medium grained	Massive	Black and white, medium grained, massive diorite comprised of 60% medium grained plagioclase and 30% fine-medium grained felsic groundmass. >1% sulfides.	30	0	Tr	Tr
10.7	38.4	K-Altered Felsic Gneiss (S)	Pink grey and white	Medium grained	Weakly foliated	Pink, grey, and white, medium grained, weakly foliated, potassically altered felsic gneiss. Unit is 80% altered and 20% host rock. Alteration stems from abundant quartz spider veinlets. Minor chlorite and sericite alteration present. Localized patches of fine-medium grained epidote. Trace sulfides.	2	0	Tr	Tr
38.4	48.3	Felsic Gneiss (G)	Light grey	Coarse grained	Weakly foliated	Light grey, coarse grained, weakly foliated, granitic felsic gneiss comprised of coarse grained muscovite, biotite, quartz and feldspar. 1% fine grained disseminated pyrite. 41.3-44.5; 47.3-47.4 UMLAMP dike.	5	0	1	Tr
48.3	52.9	Diorite	Black and white	Medium grained	Massive	Same as previous. 48.9-49.4m - UMLAMP dike with chlorite alteration and 60% coarse grained euhedral-subhedral magnetite crystals.	30	0	1	Tr
52.9	61.4	Felsic Gneiss (G)	Pink, grey and white	medium grained	Weakly foliated	Pink, grey, and white, medium grained, weakly foliated, potassically altered felsic gneiss. Unit is 80% altered and 20% host rock. Alteration stems from abundant quartz spider veinlets. Minor chlorite and sericite alteration present. Localized patches of	5	0	1	Tr
61.4	65.1	Felsic Gneiss (S)	Grey, black and pink	Medium grained	Well foliated	Grey, medium grained, well foliated felsic gneiss with 1-2% fine grained disseminated pyrite-pyrrhotite. S1 foliation well defined by thin bands of biotite.	10	0	1	1
65.1	67.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Grey, black, and pink, medium grained, moderately well foliated garnet biotite felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite. 66.7-67.3m - Felsic gneiss (S) interlayer.	60	7	1	1
67.3	72.9	Amphibolite	Dark green, black	Fine grained	Well foliated	Dark green, black, fine grained well foliated amphibolite with 2-3% fine grained streaks, bands and coarse grained clots. 70.4-71.1m - Felsic gneiss (QP) interlayer.	5	Tr	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
72.9	79.0	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Grey, coarse grained, moderately well foliated felsic gneiss. 1% fine grained disseminated sulfides overall with 1-2% in localized sections.	5	0	1	Tr
79.0	83.1	Amphibolite	Dark green, black	Fine grained	Well foliated	Same as previous.	5	Tr	1	2
83.1	86.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 2-3% thin banded, and streaky pyrite-pyrrhotite.	60	10	2	1
86.9	88.5	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Same as previous.	5	0	1	Tr
88.5	93.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 89-89.5m - Intermixed UMLAMP dike. 91.6-93.8m - Coarse grained and 60% intermixed pegmatite. Very coarse grained pyrite-pyrrhotite blebs and clots within intermixed pegmatite zone.	60	10	2	1
93.8	97.0	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous. Sericite alteration prevalent.	5	0	1	Tr
97.0	99.4	Pegmatite	Green, orange and			Green, orange and white, pegmatite with 1% fine grained disseminated pyrite-pyrrhotite.	5	0	1	Tr
99.4	116.1	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous.	5	0	1	Tr
116.1	118.2	Felsic Gneiss (C)	Dark green, grey and white		Well foliated	Dark green, grey, and white, well foliated conglomeratic felsic gneiss comprised of 20% coarse grained clasts elongated in the S1 direction. Localized porphyroblasts of garnet, clots of quartz with coarse grained sulfides. 2% fine grained disseminated, streaky and blebby pyrite-pyrrhotite.	10	0	1	1
118.2	127.2	Pegmatite	Green, orange and white			Same as previous. 5% felsic gneiss selvages. 1-2% fine grained disseminated, streaky and net textured patchy sulfides. Increased sulfides in gneissic selvages at the lower contact.	5	0	1	1
127.2	130.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. Blue coloured fine grained mineral within the matrix (possibly cordierite or kyanite or a blue tinged quartz). 2-3% fine grained disseminated and streaky pyrrhotite-pyrite.	60	7	1	2
130.0	130.8	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
130.8	139.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. Coarse grained biotite. Sulfides are more patchy within this unit.	60	10	1	2
139.3	146.5	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
146.5	155.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 149-149.3m - coarse grained clots of Po in an intermixed pegmatite\gneiss interval with 5% sulfides.	60	10	1	2
155.8	161.1	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
161.1	168.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 20% intermixed pegmatite.	60	10	1	2
168.6	176.1	Pegmatite	Green , orange and			Green, orange and white granitic pegmatite. 5% gneiss selvages. >1% sulfides.	5	0	Tr	Tr
176.1	181.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 1% intermixed pegmatite. Sulfides 2-3% but arein patchy sections rather than being consistant throughout the unit.				
181.6	184.0	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Same as previous. Unit is medium-coarse grained.	5	0	1	Tr
184.0	187.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 1-2% sulfides.	60	10	1	1
187.4	190.8	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Same as previous. Localized potassic alteration with wispy clots of fine grained sillimanite.	5	0	1	Tr
190.8	194.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. 15% clots of wispy fine grained sillimanite. >1-1% sulfides.	50	10	Tr	1
194.9	199.4	Felsic Gneiss (G)				Same as previous.	5	0	1	Tr
199.4	205.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Moderately well foliated	Same as previous. Trace sulfides.	60	10	Tr	Tr
205.1	207.5	Amphibolite	Dark green and pink	Medium grained	Well foliated	Dark green, and pink, medium grained, well foliated amphibolite. 1% fine grained blebby pyrrhotite.	5	10	Tr	1
207.5	210.0	Felsic Gneiss (S)	Grey	Coarse grained	Moderately well foliated	Same as previous. >1% sulfides.	5	0	Tr	Tr
210.0	212.4	Amphibolite	Dark green and pink	Medium grained	Well foliated	Same as previous.	5	10	Tr	1
212.4	247.0	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated and thin banded pyrrhotite with 5 cm sections of 1-2%. Interlayered amphibolite layers, and unit is intermittent with quartz clots and pegmatite intervals.	25	Tr	Tr	1
247.0	267.2	Amphibolite	Dark green and pink	Medium grained	Well foliated	Same as previous. Intermixed quartz pebble and felsic gneisses (S) from 259-263m.(267.2m - EOH)	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 266	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 27/04/2011	Date Completed 30/04/2011	Date Logged April 28-30 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331030
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303344
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	14.2	Diorite	Black and white	Medium grained	Massive	Black, and white, medium grained, massive diorite comprised of plagioclase (60%) and biotite (30%). 1% fine grained disseminated pyrite.	30	0	1	Tr
14.2	23.4	Altered Felsic Gneiss (S)	Pink and grey		Altered	Pink and grey, altered felsic gneiss. >1% sulfides. 15.2m - UMLAMP dike with medium grained crystals of magnetite.	5	0	Tr	Tr
23.4	40.9	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Grey, medium grained, weakly foliated felsic gneiss. Localized vugs, epidote crystals, pegmatite intervals, and sericite alteration.	10	0	1	Tr
40.9	47.5	Altered Felsic Gneiss (S)	Pink and grey		Altered	Same previous. Intermittent UMLAMP dikes.	5	0	Tr	Tr
47.5	65.0	Felsic Gneiss (G)	Grey, pink, and white	Coarse grained	Weakly foliated	Grey, pink, white and coarse grained weakly foliated granitic felsic gneiss. Unit is intermittent UMLAMP dikes, pegmatite, felsic gneiss (S) interlayers. 1% fine grained disseminated and coarse grained blebby pyrite-pyrrhotite.	5	0	1	Tr
65.0	69.5	Diorite	Black and white	Medium grained	Massive	Same as previous.	30	0	1	Tr
69.5	74.4	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr
74.4	77.8	Biotite Felsic Gneiss	Black and grey	Fine grained	Well foliated	Black and grey, fine grained, well foliated biotite felsic gneiss. Localized 10cm patches of chlorite alteration.	60	0	1	2
77.8	83.1	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
83.1	88.5	Amphibole Felsic Gneiss	Dark green	Medium grained	Porphyroblastic	Dark green, medium grained, porphyroblastic amphibole felsic gneiss comprised of 30% porphyroblastic amphibole and biotite in felsic groundmass. 1% fine grained disseminated pyrrhotite.	30	0	Tr	1
88.5	99.9	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Same as previous. 1-2% fine grained disseminated pyrrhotite-pyrite.	10	0	1	1
99.9	101.1	Pegmatite				Granitic pegmatite with 1-2% medium-coarse grained pyrrhotite-pyrite.	5	0	1	1
101.1	109.5	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Black, pink, and grey, medium grained, well foliated felsic gneiss. 2% to 2-3% fine grained disseminated and streaky pyrrhotite-pyrite. 104.8m - Coarse grained pyrite in a 2 cm quartz vein.	60	5	1	2
109.5	128.9	Felsic Gneiss (G)	Grey, pink, and white	Coarse grained	Weakly foliated	Same as previous. 117.5-122m - 15% intermixed pegmatite. 120.5m - Coarse grained 1.5x4 cm clot of pyrite.	5	0	1	1
128.9	135.3	Amphibole Felsic Gneiss	Dark green	Medium grained	Porphyroblastic	Same as previous.	30	0	Tr	1
135.3	138.7	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Same as previous.	5	0	1	1
138.7	147.7	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Same as previous. 15% intermixed felsic gneiss (G) and pegmatite. 2-3% fine grained disseminated streaky, coarse grained clots of pyrrhotite-pyrite. 144.5m- 5 cm massive pyrrhotite with coarse clots of pyrite within it. 144.7m- Coarse grained clots of pyrite.	60	5	1	2
147.7	155.7	Felsic Gneiss (G)	Grey, pink, and white	Coarse grained	Weakly foliated	Same as previous. 1-2% pyrite-pyrrhotite.	5	0	1	1
155.7	168.5	Garnet Biotite Felsic Gneiss	Black, pink and grey	Medium grained	Well foliated	Same as previous. 3-4% pyrrhotite-pyrite. 156.6-157m - 5-10% coarse grained blebby and medium grained net textured pyrrhotite-pyrite. Unit is intermixed with pegmatite, spider veinlets, potassic and sericitic alteration.	55	10	2	2
168.5	174.5	Felsic Gneiss (QP)	Grey and white	Coarse grained	Moderately well foliated	Grey and white, coarse grained, moderately well foliated quartz pebble felsic gneiss, comprised of 35% coarse grained quartz pebbles\clasts. 1% fine grained disseminated pyrite.	10	0	1	Tr
174.5	176.6	Garnet Biotite Felsic Gneiss	Black, pink and grey	Fine grained	Well foliated	Same as previous. Unit is fine grained. 2-3% sulfides locally with 1-2% sulfides overall.	55	10	1	1
176.6	193.6	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Same as previous.	10	0	1	Tr
193.6	196.2	Amphibolite	Dark green and pink	Medium grained	Moderately well foliated	Dark green, and pink, medium grained, moderately well foliated felsic gneiss, 1% fine grained disseminated pyrrhotite.	5	10	Tr	1
196.2	199.2	Felsic Gneiss (S)	Grey	Medium grained	Weakly foliated	Same as previous. 198.5-199.2m- barren pegmatite.	10	0	1	Tr
199.2	215.1	Amphibolite	Dark green and pink	Medium grained	Moderately well foliated	Same as previous. Localized intermixed layers of felsic gneiss. Localized coarse grained clots of pyrrhotite at 237.5m and 240.1m.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
215.1	220.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Grey, fine-medium grained, moderately well foliated felsic gneiss.	10	0	Tr	Tr
220.8	266.0	Amphibolite	Dark green and pink	Medium grained	Moderately well foliated	Same as previous. 237.5m - coarse grained pyrrhotite. (266-EOH)	5	10	0	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 359	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 26/04/2011	Date Completed 29/04/2011	Date Logged April 27-29 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330899 Northing 5303634 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.3	Casing								
4.3	16.8	Felsic Gneiss (S)	Light grey-grey	Medium grained	Well foliated	Light grey-grey, medium grained, well foliated felsic gneiss. 1-2% fine grained disseminated pyrite with localized medium grained blebs of pyrite.	15	0	2	Tr
16.8	37.1	Biotite Felsic Gneiss	Black and greenish grey	Medium grained	Moderately well foliated	Black and greenish grey, medium grained, moderately well foliated biotite felsic gneiss with 75% biotite+amphibole in a fine grained felsic gneiss groundmass. 1% fine grained disseminated pyrite.	75	0	1	Tr
37.1	43.9	K-altered Felsic Gneiss	Pink, and grey	Medium grained	Moderately well foliated	Pink, grey, medium grained, moderately well foliated felsic gneiss with 30-40% of the unit having undergone potassic alteration. Numerous spiderveinlets and a quartz vein at 43m. 1% fine grained disseminated pyrite.	5	0	1	Tr
43.9	55.2	Felsic Gneiss (S)	Grey	medium-coarse grained	Weakly-moderately well foliated	Grey, medium-coarse grained, weakly-moderately well foliated felsic gneiss. Unit's texture varies from coarse to medium grained and back. Localized pegmatite intervals, and quartz veins. 1% overall sulfides with 1-2% sulfides locally associated with increased biotite content and pematitic intervals. Sulfides are fine grained disseminated and are medium-coarse grained blebby pyrite-pyrrhotite.	10	0	1	Tr
55.2	59.3	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Grey, and white, coarse grained, weakly foliated quartz pebble felsic gneiss comprised of 70% coarse grained quartz clasts and fragments. 1% fine grained disseminated sulfides.	10	0	1	Tr
59.3	69.7	Diorite	Black, white and grey	Medium grained	Massive	Black, white, and grey, medium grained, massive diorite. 1% fine grained disseminated pyrite.	30	0	1	Tr
69.7	122.1	Diabase	Black and white	Medium grained		Black and white medium grained diabase dike,				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
122.1	131.1	Diorite	Black, white and grey	Medium grained	Massive	Diorite has undergone intense potassic alteration possibly due to the fluids associated with the intruding diabase dike.	30	0	Tr	Tr
131.1	144.2	Diabase	Black and white	Medium grained		Same as previous.				
144.2	164.5	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated, felsic gneiss. Localized 10-30 cm section of intermixed quartz pebble felsic gneiss and amphibole felsic gneiss. 1-2% patchy and disseminated fine grained and thin banded pyrrhotite-pyrite.	10	0	1	1
164.5	174.1	Felsic Gneiss (S)	Dark grey-black	Fine - medium	Moderately well foliated	Dark grey-black, fine-medium grained, moderately well foliated felsic gneiss. 1% very fine grained disseminated pyrite.	25	0	1	Tr
174.1	180.8	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous gneiss from 144.2-164.5m.	10	0	1	1
180.8	194.9	Felsic Gneiss (G)	Grey, pink, green and white	Coarse grained	Weakly foliated	Grey, pink, green, and white coarse grained, weakly foliated, granitic felsic gneiss comprised of coarse grained muscovite, biotite, plagioclase and potassium feldspar and quartz. 1% very fine-fine grained disseminated pyrite.	5	0	1	Tr
194.9	197.3	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	10	0	1	1
197.3	200.0	Felsic Gneiss (G)	Light grey	Coarse grained	Weakly foliated	Same as previous. Light grey in colour and pyrrhotite > pyrite.	5	0	Tr	1
200.0	201.9	Altered Garnet Biotite Felsic Gneiss	Green and grey	Altered fine-medium grained	Well foliated	Green, and grey, altered fine-medium grained, well foliated garnet biotite felsic gneiss. Unit is chlorite altered. 2-3% fine grained disseminated, streaky and thin banded pyrrhotite-pyrite.	50	1	1	2
201.9	206.1	UMLAMP Dike	Black and white	Fine grained		Black and white, fine grained UMLAMP dike with intermittent gneissic selvages.				
206.1	215.7	Garnet Biotite Felsic Gneiss	Dark grey, pink and green	Fine grained	Well foliated	Dark grey, pink and green, fine grained, well foliated garnet biotite felsic gneiss. Unit is intermittent with pegmatite intervals, felsic gneiss (S) interlayers, and chlorite alteration zones. 2-3% fine-medium grained disseminated and blebby and minor streaks of pyrrhotite and pyrite.	50	5	1	2
215.7	217.7	Pegmatite				Granitic pegmatite, with 30% garnet biotite felsic gneiss selvages. 3-4% coarse grained blebby pyrrhotite in the selvages and 1% fine grained disseminated pyrrhotite-pyrite in pegmatite.	5	1	1	1
217.7	226.0	Garnet Biotite Felsic Gneiss	Dark grey, pink and green	Fine grained	Well foliated	Same as previous. With intermittent interlayers of amphibolite. 2-3% fine grained disseminated, streaky and coarse grained blebby pyrrhotite. 222.7, 223.7, and 224 coarse grained blebs and 1 cm pyrrhotite veins associated with quartz veinlets.	50	5	1	2
226.0	226.8	Pegmatite				Granitic pegmatite, with trace sulfides in selvages of felsic gneiss.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
226.8	228.7	Amphibole Felsic Gneiss	Dark green and grey	Medium grained	Porphyroblastic	Dark green, and grey, medium grained, porphyroblastic amphibole felsic gneiss comprised of 30% porphyroblastic crystals of amphibole and biotite in fine grained felsic groundmass. 1% fine grained disseminated pyrrhotite-pyrite.	30	0	Tr	1
228.7	229.7	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Fine grained	Well foliated	Same as previous. 3-4% pyrrhotite-pyrite.	50	5	1	3
229.7	231.9	Felsic Gneiss (G)	Light grey	Coarse grained	Weakly foliated	Same as previous. 230.1m - 2-3% fine grained streaky pyrrhotite-pyrite and coarse grained clots of pyrite in a 10 cm quartz vein.	5	0	Tr	1
231.9	233.1	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Fine grained	Well foliated	Same as previous.	50	5	1	3
233.1	234.3	Felsic Gneiss (G)	Light grey	Coarse grained	Weakly foliated	Same as previous.	5	0	Tr	1
234.3	235.8	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Fine grained	Well foliated	Same as previous. 2-3% pyrrhotite-pyrite.	50	5	1	2
235.8	241.3	Felsic Gneiss (C)	Dark grey, green and white	Coarse grained	Well banded	Dark grey, green and white, coarse grained, well banded conglomeratic felsic gneiss comprised of 15% coarse grained quartz clasts elongated in the S1 direction. Unit is intermittent with 10-30 cm felsic gneiss interlayer and pegmatite intervals. 2-3% streaky and fine grained disseminated pyrite-pyrrhotite.	10	0	2	1
241.3	245.9	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Fine grained	Well foliated	Same as previous. 20% intermixed pegmatite.	50	5	1	2
245.9	257.1	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous. Intermixed pegmatite (10%) at lower contact of unit. Increased sulfides in biotite rich sections.	7.5	0	Tr	1
257.1	261.8	Garnet Biotite Felsic Gneiss	Dark grey, pink and	Fine grained	Well foliated	Same as previous. Unit is finer grained. 258.6m- Coarse clots of pyrrhotite-pyrite at the margins of a quartz vein.	50	5	1	2
261.8	267.0	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.	10	0	1	Tr
267.0	280.6	Garnet Biotite Felsic Gneiss	Dark grey, pink and green	Fine grained	Well foliated	Same as previous. Silicification at the top of the unit. 20% intermixed pegmatite (pegmatite exhibit mermykitic and perthitic textures). 1% quartz veins with coarse grained clots of pyrrhotite.	50	5	1	2
280.6	285.6	Amphibole Felsic Gneiss	Dark green and grey	Medium grained	Porphyroblastic	Same as previous.	30	0	Tr	1
285.6	324.3	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately well foliated	Grey, medium-coarse grained, moderately well foliated felsic gneiss. Unit is varies gradationally from fine-medium grained to medium-coarse grained. 1% fine grained disseminated overall with 1-2% locally. 299-300m- Alteration zone featuring potassic,sericitic and localized chlorite alteration.	10_15	0	1	Tr
324.3	336.9	Amphibolite	Dark green and grey	Fine-medium	Well foliated	Dark green and grey, fine-medium grained, well foliated amphibolite. 1% fine grained patchy disseminated pyrrhotite.	5	3	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
336.9	349.2	Pegmatite	Green, orange and			Same as previous.	5	0	Tr	Tr
349.2	359.0	Amphibolite	Dark green and grey	Fine- medium	Well foliated	Same as previous. (359-EOH)	5	3	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 365	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 30/04/2011	Date Completed 02/05/2011	Date Logged April 30 - May 2 201	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331004
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303518
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	16.2	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated, felsic gneiss. Intermittent spider veinlets, leached sections with vugs with sulfides present within the vugs. 1-2% fine disseminated pyrite.	10	0	2	Tr
16.2	18.8	Diorite	Black, grey and white	Medium grained	Weakly foliated	Black, grey, and white, medium grained, weakly foliated diorite comprised of 60% feldspar and 30% biotite in a felsic groundmass. 1% fine grained disseminated pyrite.	30	0	1	Tr
18.8	33.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	2	Tr
33.0	36.9	Diorite	Black and white	Medium grained	Massive	Same as previous.	30	0	1	Tr
36.9	53.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	1	Tr
53.0	58.0	Amphibolite	Dark green and black	Fine grained	Moderately well foliated	Dark green and black, fine grained, moderately well foliated amphibolite. 1% fine grained disseminated pyrrhotite overall with 1-2% sulfides locally. 53.3-56.2m - felsic gneiss. 57m - coarse grained of pyrrhotite.	5	Tr	Tr	1
58.0	75.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	2	Tr
75.5	79.5	Diorite	Black and white	Medium grained	Massive	Same as previous.	30	0	1	Tr
79.5	93.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
93.1	94.5	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Grey, and white, medium grained, weakly foliated quartz pebble felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
94.5	98.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	2	Tr
98.5	102.3	Amphibole Felsic Gneiss	Dark green, and grey	Medium grained	Porphyroblastic	Dark green, grey, medium grained, porphyroblastic amphibole felsic gneiss comprised of 30% medium grained amphibole and biotite in a felsic gneiss.	30	0	1	Tr
102.3	110.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	2	Tr
110.3	112.9	Amphibole Felsic Gneiss	Dark green, and grey	Medium grained	Porphyroblastic	Same as previous.	30	0	1	Tr
112.9	133.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous. Localized coarse grained clots of pyrite-pyrrhotite. Localized potassic alteration.	10	0	2	Tr
133.7	145.4	Amphibole Felsic Gneiss	Dark green, and grey	Medium grained	Porphyroblastic	Same as previous. 1-2% fine grained disseminated pyrite-pyrrhotite.	30	0	1	Tr
145.4	152.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous. 1% fine grained disseminated pyrite-pyrrhotite.	10	0	1	Tr
152.9	163.1	Felsic Gneiss (G)	Grey, pink, and white	Coarse grained	Weakly foliated	Same as previous.	5	0	1	1
163.1	175.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous. Sericite altered felsic gneiss. 80% of the unit is altered. Possible source of fluids causing the alteration is the underlying diabase dike.	10	0	Tr	Tr
175.2	203.4	Diabase Dike	Black and white	Medium grained	Massive	Black and white, medium grained massive diabase dike.				
203.4	212.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous. Interlayers of amphibole felsic gneiss and granitic felsic gneiss. 1-2% fine grained disseminated and streaky pyrrhotite-pyrite.	10	0	1	1
212.3	217.1	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Same as previous.			1	Tr
217.1	254.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately well foliated	Grey, black, and pink, fine-medium grained, moderately well foliated garnet biotite felsic gneiss. Garnet in the unit is patchy, there are interlayers of pegmatite and granitic felsic gneiss., localized chlorite alteration, quartz clots and veins and zone of quartz "flooding". 2-3% fine grained disseminated and coarse grained blebby pyrrhotite-pyrite.	50	10	1	2
254.8	256.3	Amphibole Felsic Gneiss				Same as previous. 1% fine grained disseminated pyrrhotite.	30	0	Tr	1
256.3	259.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous. 1% fine grained disseminated pyrrhotite overall, with localized sections approaching 2%.	10	0	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
259.6	261.4	Felsic Gneiss (C)	Dark green, grey and white		Well foliated	Grey, green, and white, coarse grained, well foliated conglomeratic felsic gneiss. 15% coarse grained quartz clasts that are elongated in the S1 direction. 1-2% fine grained disseminated and blebby pyrrhotite.	15	0	Tr	2
261.4	264.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	Tr	1
264.7	271.4	Biotite Felsic Gneiss	Black and grey	Fine-medium grained	Moderately well foliated	Black and grey, fine-medium grained, moderately well foliated biotite felsic gneiss. 264.7-266m - Chlorite alteration. 267.5-270m - Intermixed pegmatite. 1-2% fine grained disseminated and streaky pyrrhotite-pyrite overall with 2-3% locally (for example within the chlorite alteration zones and intermixed pegmatite zones).	55	0	1	1
271.4	273.6	Pegmatite				Grainitic pegmatite.	5	0	Tr	1
273.6	296.5	Felsic Gneiss (S)	Grey, green and white	Fine-medium	Moderately well foliated	Grey, green, and white, fine-medium grained, moderately well foliated, felsic gneiss sulfides associated with biotite and quartz and are fine grained and disseminated.	10	0	Tr	1
296.5	336.9	Amphibolite	Light and dark green	Fine grained	Weakly foliated	Light and dark green, fine grained, weakly foliated "spotty" appearance amphibolite. This amphibolite is a finer grained variety and has only trace amounts of garnet porphyroblasts.	5	Tr	Tr	1
336.9	338.3	Pegmatite				Intermixed pegmatite and biotite felsic gneiss. Very coarse grained crystals biotite and locally coarse grained amphibole.	20	0	Tr	Tr
338.3	365.0	Amphibolite	Dark green with light green patches	Fine-medium grained		Dark green, with light green patches, fine-medium grained amphibolite with coarse grained porphyroblasts of garnet. Unit is the classic amphibolite. 359m - Altered amphibolite "quartz flooded" from the underlying UMLAMP dike that is intruding at the end of the unit. (365-EOH)	5	15	Tr	Tr-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 205	Total Depth (m) 203	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 30/04/2011	Date Completed 02/05/2011	Date Logged April 30 - May 2 201	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330957
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303300
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	5.3	Felsic Gneiss (G)	Grey	Coarse grained	Weakly foliated	Grey, coarse grained, weakly foliated, granitic felsic gneiss. Coarse grained clots of fine grained sillimanite 1-2% fine grained disseminated sulfides.	5	0	1	1
5.3	11.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Well foliated	Grey, black and pink, medium grained, well foliated garnet biotite felsic gneiss. Unit is intermittent with pegmatite. 1-2% fine grained disseminated and streaky pyrrhotite-pyrite with 2-3% locally.	50	5	1	1
11.3	15.7	Felsic Gneiss (G)	Grey	Coarse grained	Weakly foliated	Same as previous. Localized zones of 2-3% coarse grained pyrite-pyrrhotite. 15.2-15.7m - UMLAMP dike.	5	0	1	1
15.7	18.0	Felsic Gneiss (G)				Unit is intermix of a granitic felsic gneiss and garnet biotite felsic gneiss. Intermittent chlorite alteration zone, breccia zones, and quartz clots. 1-2% fine grained disseminated.	5	0	1	1
18.0	24.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Well foliated	Same as previous.	50	5	1	1
24.0	25.3	Quartz vein	Milky white	Coarse grained		Coarse grained, milky white quartz. >1% sulfides.	0	0	Tr	Tr
25.3	26.9	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Grey, and white, coarse grained, weakly foliated, quartz pebble felsic gneiss. 1% fine grained disseminated.	10	0	1	Tr
26.9	30.0	Pegmatite	Green, orange and			Green, orange, white, pegmatite with 20% garnet biotite felsic gneiss selvages. 1% sulfides overall with 1-2% within the selvages of gneiss.	10	0	1	Tr
30.0	34.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Well foliated	Same as previous. 1-2% fine grained disseminated and thin banded pyrrhotite-pyrite. Intermixed granitic felsic gneiss and pegmatite.	50	5	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
34.7	39.4	Felsic Gneiss (G)	White, pink and grey	Coarse grained	Moderately well foliated	White, pink, and grey, coarse grained, moderately well foliated granitic felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite with localized medium blebs.	5	0	1	1
39.4	40.1	UMLAMP Dike				Dike				
40.1	45.3	Altered Garnet Biotite Felsic Gneiss			Altered	Same as previous. Intermixed pegmatite, potassic and chlorite alteration zones. 2-3% fine grained disseminated, coarse grained blebby pyrrhotite-pyrite.	50	5	1	2
45.3	54.9	Altered Biotite Felsic Gneiss	Dark grey and green	Fine-medium	Well foliated	Dark grey, and green, fine-medium grained well foliated chlorite altered biotite felsic gneiss. 2-3% fine grained disseminated, streaky, and thin banded pyrrhotite-pyrite.	50	Tr	1	2
54.9	56.5	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Same as previous.	10	0	1	Tr
56.5	58.5	Altered Biotite Felsic Gneiss			Altered	Same as previous.	50	Tr	1	2
58.5	59.9	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Same as previous.	10	0	1	Tr
59.9	69.6	Altered Garnet Biotite Felsic Gneiss			Altered	Same as previous. 62.9-63.6m - barren pegmatite.	50	5	1	2
69.6	73.4	Felsic Gneiss (G)	White, pink and grey	Coarse grained	Moderately well foliated	Same as previous.	5	0	1	1
73.4	76.8	Pegmatite				Same as previous with 15% intermixed felsic gneiss selvages.	10	0	1	Tr
76.8	96.5	Diorite	Black, grey and white	Coarse grained		Black, grey and white, coarse grained diorite, comprised of 60% plagioclase and 30% biotite and amphibole in a felsic groundmass. Localized potassic alteration. 1% fine grained disseminated pyrite-pyrrhotite.	30	0	1	Tr
96.5	103.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well foliated	Grey, fine-medium grained, moderately well foliated, felsic gneiss. 1-2% fine grained disseminated, streaky and blebby, pyrite-pyrrhotite. Interlayers of amphibolite are present at the lower contact of the unit.	30	0	1	1
103.4	136.3	Diorite	Black, grey and white	Coarse grained		Same as previous with 1-2% sulfides. Localized interlayers of pegmatite and chlorite alteration zones.	30	0	1	1
136.3	138.4	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated, felsic gneiss 1% fine grained disseminated and blebby pyrrhotite-pyrite overall with 1-2% locally.	25	0	Tr	1
138.4	156.4	Diorite	Black, grey and white	Coarse grained		Same as previous. 139.1-139.4m- Interlayer of felsic gneiss. 146.5-147m- Pegmatite with >1% sporadic pyrrhotite within it. 154.3m- pegmatite.	30	0	1	1
156.4	161.2	UMLAMP				Dike				
161.2	161.9	Diorite	Black, grey and white	Coarse grained		Same as previous.	30	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
161.9	165.2	Biotite Felsic Gneiss	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated, biotite felsic gneiss. 5% sulfides overall. 163-163.1m- Zone of massive pyrite-pyrrhotite with minor enclaves of brecciated felsic gneiss (.5cm). 163.3m- 4x10cm zone of massive pyrite-pyrrhotite. 162.8-163.5m- 5-10% sulfides. The rest of the unit has 1% fine grained disseminated sulfides.	50	0	3	2
165.2	172.9	Diorite	Black, grey and white	Coarse grained		Same as previous.	30	0	1	1
172.9	173.9	Biotite Felsic Gneiss	Grey	Fine grained	Moderately well foliated	Same as previous. 2-3% pyrrhotite-pyrite.	5	0	1	2
173.9	194.0	Quartz feldspar porphyry	Dark grey, black and white	Porphyritic	Weakly foliated	Dark grey, black and white, porphyritic, weakly-foliated to massive quartz feldspar porphyry, comprised of coarse grained (2-10 mm) phenocrysts of plagioclase and quartz in fine grained groundmass of biotite and quartz and feldspar. 1% fine grained disseminated.	25	0	1	Tr
194.0	203.0	Biotite Felsic Gneiss	Grey	Fine grained	Moderately well foliated	Same as previous. >1-1% fine grained disseminated pyrrhotite. Localized spider veinlets, chlorite alteration. (203- EOH)	60	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 205	Total Depth (m) 203	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 02/05/2011	Date Completed 18/05/2011	Date Logged May 2-19 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330854
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303324
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.5	Casing								
4.5	5.4	Garnet Biotite Felsic Gneiss	Black, grey, white and	Coarse grained		Black, grey, white, and pink coarse grained garnet biotite felsic gneiss. 3-4% coarse grained pyrrhotite-pyrite.	50	10	2	2
5.4	7.4	Pegmatite	Green, orange and			Green, orange, white, granitic pegmatite. 1% fine grained disseminated pyrite.	5	0	1	Tr
7.4	9.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Well foliated	Same as previous.	50	10	2	2
9.7	17.1	Diorite	Grey and white	Medium grained	Massive-weakly	Grey and white, medium grained, massive-weakly foliated diorite comprised of 60% plagioclase and 30% biotite. 1% fine grained disseminated pyrite.	30	0	1	Tr
17.1	23.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium grained	Well foliated	Same as previous. Medium-coarse grained porphyroblasts of garnet. 2% fine grained disseminated, and thin banded pyrrhotite-pyrite.	60	15	1	1
23.2	30.6	Felsic Gneiss (C)	Variable grey and green	Coarse grained	Well banded	Variable grey, and green, coarse grained, well banded conglomeratic felsic gneiss, comprised of light and dark siliceous bands, coarse grained quartz clasts that are elongated in the S1 direction. Localized chlorite and potassic alteration. 1-2% fine grained disseminated and streaky pyrrhotite-pyrite with 2-3% locally.	10	Tr	1	1
30.6	32.0	Felsic Gneiss (QP)	Grey and white	Medium grained		Grey, and white, medium grained, quartz pebble felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
32.0	37.2	Felsic Gneiss (C)	Dark green, grey and		Well foliated	Same as previous. 2% sulfides.	10	Tr	1	1
37.2	44.6	Felsic Gneiss (G)	Grey, white and pink	Coarse grained	Moderately well foliated	Grey, white, and pink, coarse grained, moderately well foliated felsic gneiss. 5% coarse clots of fine grained sillimanite. 1% fine-medium grained disseminated and blebby pyrite associated with quartz clots.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
44.6	46.0	Pegmatite	Green, grey and white			Green, grey, and white, barren granitic pegmatite.	10	0	Tr	Tr
46.0	48.0	Felsic Gneiss (QP)	Grey and white	Medium grained		Same as previous.	10	0	1	Tr
48.0	67.5	Diorite	Grey and white	Medium grained	Massive-weakly foliated	Same as previous. Localized sections of 1-2%. Abundant spider veinlets with potassic alteration haloes. Some crystals of plagioclase are potassically altered. Unit is intermittent with quartz clots with sulfides at their margins.	30	0	1	Tr
67.5	72.8	Biotite Felsic Gneiss	Black and grey		Well foliated	Black, and grey, well foliated biotite felsic gneiss comprised of 60% fine grained biotite and amphibole in a felsic groundmass. 1% very fine-fine grained disseminated sulfides.	60	0	1	Tr
72.8	97.2	Diorite	Grey and white	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
97.2	98.3	Pegmatite				Barren granitic pegmatite.			Tr	Tr
98.3	104.8	Biotite Felsic Gneiss	Black and grey		Well foliated	Same as previous.	60	0	1	Tr
104.8	146.0	Diorite	Grey and white	Medium grained	Massive-weakly	Same as previous. 105.6-106.4m- Interlayer of biotite felsic gneiss.	30	0	1	Tr
146.0	153.4	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Dark grey, fine grained, moderately well foliated felsic gneiss. Intermixed felsic gneiss (QP) interlayers. 1% fine grained disseminated pyrrhotite.	30	0	Tr	1
153.4	161.9	Diorite	Grey and white	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
161.9	173.8	Felsic Gneiss (QP)	Grey and white	Coarse grained		Same as previous. Unit is coarse grained.	10	0	1	Tr
173.8	203.0	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Same as previous. 181.4-182.2m - Pegmatite (203- EOH)	30	0	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 323	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 02/05/2011	Date Completed 19/05/2011	Date Logged May 3-20 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331004
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303518
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	17.1	Felsic Gneiss (S)	Dark grey	Medium grained	Weakly foliated	Dark grey, medium grained, weakly foliated, felsic gneiss. Spotty sections of spider veinlets, some of which have potassic alteration haloes. 1-2% patchy fine grained disseminated and medium grained blebby pyrite.	20	0	2	Tr
17.1	21.2	Felsic Gneiss (QP)	Grey and white	Medium grained	Massive-weakly	Grey and white medium grained, massive-weakly foliated quartz pebble felsic gneiss. 1% very fine-grained disseminated and patchy sulfides.	10	0	1	Tr
21.2	29.9	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Same as previous. Localized coarse grained sections.	20	0	2	Tr
29.9	32.9	Felsic Gneiss (QP)	Grey and white	Coarse grained		Same as previous. Coarse grained quartz fragments\pebbles.	10	0	1	Tr
32.9	43.5	Felsic Gneiss (S)	Dark grey	Fine grained	Moderately well foliated	Same as previous. Localized quartz-carbonate vening.	20	0	2	Tr
43.5	49.2	Felsic Gneiss (S)	Grey and white	Medium grained	Moderately well foliated	Grey, and white medium grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
49.2	50.5	Silicified Felsic Gneiss (S)	White, and grey	Coarse grained	Moderately well foliated	White, and grey, coarse grained, moderately well foliated silicified felsic gneiss. Localized coarse grained amphibole. 1-2% fine grained disseminated pyrite.	10	0	2	Tr
50.5	71.6	Felsic Gneiss (S)	Grey and white	Medium grained	Moderately well foliated	Same as previous. 32.9-43.5, 56.5-60m- Silicified zones. Localized quartz veins, and spider veinlets.	15	0	2	Tr
71.6	72.7	Amphibolite	Black, grey and green	Medium grained	Well foliated	Black, grey, and green, medium grained, well foliated, amphibolite. 1-2% fine grained disseminated pyrrhotite.	5	0	Tr	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
72.7	86.0	Felsic Gneiss (S)	Grey and white	Medium grained	Moderately well foliated	Same as previous.	20	0	2	Tr
86.0	92.6	Amphibolite	Light and dark green	Fine grained	Weakly foliated	Same as previous.	5	0	Tr	2
92.6	95.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately well foliated	Grey, fine-medium grained, moderately well foliated felsic gneiss. 1-2% fine grained disseminated pyrite-pyrrhotite. Localized spider veinlets with potassic and sericitc alteration haloes.	10	0	1	1
95.7	106.4	Amphibolite	Light and dark green	Fine grained	Weakly foliated	Same as previous. Interlayers of felsic gneiss.	5	0	1	1
106.4	125.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well foliated	Same as previous.	10	0	1	1
125.5	138.0	Diorite	Grey and white	Medium grained	Massive-weakly	Same as previous.	30	0	1	Tr
138.0	158.5	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Grey, pink and white, coarse grained, weakly-moderately well foliated granitic felsic gneiss, comprised of coarse grained quartz, plagioclase feldspar, muscovite, and biotite with localized clots of fine grained acicular sillimanite. 1% fine grained patchy and disseminated pyrite.	5	0	1	Tr
158.5	167.7	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Grey, medium grained, moderately well foliated felsic gneiss (S). 164.4-167.7m- Intermixed quartz veins\clots and pegmatite. Patchy zones of spider veinlets with alteration haloes. 2% fine grained disseminated pyrite.	7.5	Tr	2	Tr
167.7	174.6	Felsic Gneiss (C)	Green, grey and black	Medium grained	Well banded	Green, grey, and black, medium grained, well banded, conglomeratic felsic gneiss comprised of 10% coarse grained quartz clasts in a biotite\chlorite and felsic groundmass. 1-2% fine grained disseminated pyrrhotite-pyrite with 2-3% locally.	15	0	1	1
174.6	188.9	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous. Unit is intermixed with layers of altered biotite felsic gneiss. Fine grained disseminated sulfides and localized medium grained blebs of pyrite.	10	Tr	2	Tr
188.9	201.3	Altered Biotite Felsic Gneiss	Dark green, dark grey, and balck	Fine grained		Dark green, dark grey, and black fine grained moderately well foliated altered biotite felsic gneiss. 2-3% fine grained disseminated and streaky pyrite and pyrrhotite with localized zones of 4% sulfides. Minor spider veining and quartz clots present in the unit locally.	65	Tr	2	1
201.3	203.7	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	10	0	2	Tr
203.7	207.1	Pegmatite	Green, orange and white			Green, orange, and white granitic pegmatite. 5% felsic gneiss selvages that have 3-4% pyrite-pyrrhotite in them. 2% medium-coarse grained blebs of pyrrhotite-pyrite associated with coarse grained biotite and felsic selvages overall with up to 3-4% locally.	10	0	1	1
207.1	208.3	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous.	10	0	2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
208.3	214.8	Felsic Gneiss (C)	Green, grey and black	Medium grained	Well banded	Same as previous. 2-3% fine grained disseminated, blebby, and streaky pyrite. Intermixed felsic gneiss (s) and pegmatite near lower contact of the unit.	15	Tr	3	Tr
214.8	219.7	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous.	5	0	1	Tr
219.7	226.8	Garnet Biotite Felsic Gneiss	Black, white, pink and grey	Medium grained	Moderately well foliated	Black, white, pink and grey, medium grained moderately well foliated garnet biotite felsic gneiss intermixed with 15% pegmatite intervals. 2-3% medium-coarse grained blebby pyrite-pyrrhotite with localized fine grained disseminated sulfides.	55	2	2	1
226.8	254.9	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous. 1% overall pyrite with localized patches of 1-2%. Localized pegmatite intervals and interlayers of felsic gneiss (S) near the lower contact of the unit.	5	0	1	Tr
254.9	275.6	Felsic Gneiss (S)	Grey	Medium grained	Moderately well foliated	Same as previous. 1-2% fine grained disseminated pyrite. Localized amphibolite and quartz pebble interlayers.	10	0	1.5	Tr
275.6	323.0	Amphibolite	Dark and light green	Medium-coarse grained	Moderately well foliated	Dark and light green, medium-coarse grained, moderately well foliated amphibolite. Localized quartz and pegmatite clots intervals. Localized coarse grained clots of pyrrhotite.	5	10	Tr	1-Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 164	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 19/05/2011	Date Completed 20/05/2011	Date Logged May 19-20 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330782
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303407
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	10.4	Felsic Gneiss (G)	Grey, white and pink	Coarse grained	Weakly foliated	Grey, white, and pink, coarse grained, weakly foliated , granitic felsic gneiss. Localized sericite alteration, rusty fracture planes, and localized epidote crystals in vugs, quartz clots and coarse grained "nests" of fine grained sillimanite. >1% sulfides disseminated throughout the unit.	5	0	Tr	Tr
10.4	14.3	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated, felsic gneiss. 1% fine-medium grained blebby and disseminated sulfides. Localized vugs with epidote present in the vugs.	15	0	1	Tr
14.3	15.3	Pegmatite	Green, orange and			Green, orange, and white, granitic pegmatite. Unit is barren of sulfides.	2	0	Tr	Tr
15.3	19.1	Altered Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Felsic gneiss similar to above unit but with pervasive sericite, and potassic alteration. Spider veinlets and localized pegmatite intervals. 1% fine-medium grained disseminated and blebby pyrite.	5	0	1	Tr
19.1	29.1	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Same as previous. Localized vugs with epidote crystals formed in them. Localized sericite and potassic alteration and spider veinlets. Alteration varies from patchy through the main part of the unit to pervasive at the lower contact.	15	Tr	1	Tr
29.1	45.5	Garnet Biotite Felsic Gneiss	Dark grey, black , and pink	Fine - medium grained	Well foliated	Dark grey, black, pink, fine-medium grained, well foliated garnet biotite felsic gneiss. 3-4% fine grained disseminated, medium grained blebby, streaky and and localized coarse grained pyrite. The unit near the lower contact is more siliceous (42-45.5m)	60	5	3	1
45.5	49.8	Diorite	Grey and white	Medium grained	Massive-weakly foliated	Grey, and white, medium grained, massive-weakly foliated diorite comprised of medium plagioclase feldspar and quartz in a fine grained siliceous groundmass. 1% fine grained disseminated sulfides.	30	0	1	Tr
49.8	51.2	Pegmatite	Green, orange and			Same as previous. Sporadic fine grained disseminated pyrite.	2	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
51.2	55.7	Felsic Gneiss (G)	Grey, pink and white	Coarse grained	Weakly foliated	Same as previous. Unit is intermixed with felsic gneiss (S) layers at the lower contact. 1-2% patchy fine grained disseminated pyrite.	5	0	2	Tr
55.7	58.1	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Same as previous. Localized medium grained blebs of pyrite.	15	Tr	1.5	Tr
58.1	59.0	Pegmatite	Green, orange and			Same as previous. Localized coarse grained blebs and clots of pyrrhotite.	2	0	1	Tr
59.0	60.1	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Same as previous. Localized coarse grained clots of pyrrhotite.	15	Tr	1	1
60.1	65.0	Amphibole Felsic Gneiss	Green, and grey	Fine grained	Well foliated/porphyroblastic	Green, and grey, fine grained, well foliated, porphyroblastic amphibole felsic gneiss, comprised of up to 1 cm wide coarse grained porphyroblasts of amphibole (35%) in a fine grained felsic groundmass. 1% fine grained disseminated and streaky pyrite-pyrrhotite.	35	0	1	Tr
65.0	67.1	Garnet Biotite Felsic Gneiss	Dark grey, black , and	Fine - medium	Well foliated	Same as previous. Unit is slightly more siliceous than previous garnet biotite felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite.	50	2	1	1
67.1	73.7	Pegmatite	Green, orange and			Same as previous. Localized coarse grained clots of pyrrhotite-pyrite. Unit has 1% to 1-2% sulfides.	5	0	1	1
73.7	74.6	Felsic Gneiss (C)	Grey and white	Coarse grained	Moderately well foliated	Grey and white, coarse grained, moderately well foliated conglomeratic felsic gneiss comprised of 10% coarse grained quartz clasts in a felsic matrix. 1-2% fine grained disseminated pyrite-pyrrhotite.	15	Tr	2	Tr
74.6	77.4	Garnet Biotite Felsic Gneiss	Dark grey, balck and	Fine grained	Well foliated	Same as previous. Unit is fine-medium grained with 10% fine-medium grained "nests" of sillimanite. 1% fine grained disseminated pyrite.	60	10	1	Tr
77.4	79.1	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Same as previous. Unit has >1% sulfides.	15	1	Tr	Tr
79.1	81.6	Felsic Gneiss (C)	Grey and white	Coarse grained	Moderately well foliated	Same as previous. Unit is intermixed with garnet biotite felsic gneiss layers.	15	2	2	Tr
81.6	84.7	Garnet Biotite Felsic Gneiss	Dark grey, balck and	Fine grained	Well foliated	Same as previous gneiss 65-67.1m.	50	5	1	Tr
84.7	87.8	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Same as previous. 1-2% medium grained blebby and fine grained disseminated pyrrhotite-pyrite. 84.7-85.1- Pegmatite with 2-3% medium-coarse grained blebs of pyrrhotite-pyrite.	10	0	1	1
87.8	95.2	Felsic Gneiss (G)	Green, grey, white and pink	Coarse grained	Weakly foliated	Green, grey, white and pink, coarse grained, weakly foliated granitic felsic gneiss. Unit is intermixed with pegmatite intervals, patchy sericite and potassic alteration and "nests" of fine grained sillimanite. 1% fine grained disseminated pyrite.	5	0	1	Tr
95.2	99.0	Felsic Gneiss (S)	Grey and white	Fine grained	Moderately well foliated	Same as previous. Unit is sericitically and potassically altered. 98.5-99m - Garnet biotite felsic gneiss interlayer.	10	0	1	Tr
99.0	103.5	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Grey, fine grained, moderately well foliated felsic gneiss. 1% fine grained disseminated pyrite-pyrrhotite.	20	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
103.5	107.8	Felsic Gneiss (G)	Green, grey, white and	Coarse grained	Weakly foliated	Same as previous.	5	0	1	Tr
107.8	108.6	Pegmatite	Green, orange and			Same as previous.	5	0	1	1
108.6	110.0	Garnet Biotite Felsic Gneiss	Dark grey, balck and	Fine grained	Well foliated	Same as previous.	50	5	1	Tr
110.0	111.3	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Grey, and white, coarse grained, weakly foliated quartz pebble felsic gneiss. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
111.3	113.8	Pegmatite	Green, orange and			Barren granitic pegmatite.	5	0	Tr	Tr
113.8	115.4	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Same as previous. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
115.4	118.0	Pegmatite	Green, orange and			Same as previous.	5	0	Tr	Tr
118.0	119.6	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Same as previous.	10	0	Tr	Tr
119.6	120.7	Pegmatite	Green, orange and			Same as previous.	5	0	Tr	Tr
120.7	127.4	Felsic Gneiss (QP)	Grey and white	Coarse grained	Weakly foliated	Same as previous.	10	0	Tr	Tr
127.4	130.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly foliated	Grey, fine-medium grained, weakly foliated felsic gneiss. 1% fine grained disseminated sulfides.	10	0	1	Tr
130.6	139.7	Quartz Feldspar Porphyry (QFP)	Dark grey, white and pink	Porphyritic		Dark grey, white and pink, porphyritic quartz feldspar porphyry comprised of 60% coarse grained quartz and feldspar phenocrysts. >1% to 1% fine grained disseminated pyrite. Localized coarse grained blebs of pyrite at margins of quartz veins.	10	0	1	Tr
139.7	141.1	Felsic Gneiss (S)	Grey	Fine grained	Moderately well foliated	Same as previous gneiss 99-103.5m.	20	0	1	Tr
141.1	146.8	Pegmatite	Green, orange and			Same as previous. >1% fine grained disseminated sulfides.	10	0	Tr	Tr
146.8	160.6	Garnet Biotite Felsic Gneiss	Grey, black, white and pink	Medium coarse grained	Moderately well foliated	Grey, black, white and pink, medium-coarse grained, moderately well foliated, garnet biotite felsic gneiss. Coarse grained, porphyroblasts of garnet and medium-coarse grained "nests" of fine grained sillimanite	50	10	Tr	Tr
160.6	164.0	Amphibolite	Dark green and light	Fine grained		Dark green, and light green, fine grained amphibolite. Localized blebby pyrrhotite. (164-EOH)	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 456	Bearing of Hole from true North 205	Total Depth (m) 302	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 20/05/2011	Date Completed 22/05/2011	Date Logged May 20-22 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330707 Northing 5303693 Datum Nad 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.5	Casing								
3.5	56.5	Felsic Gneiss (S)	Dark Grey	Fine-medium Grained	Moderately Well Foliated	Felsic gneiss with 1% fine grained disseminated and blebby pyrite-pyrrhotite with localized sections of 1-2%. Localized vugs that have epidote crystals in them and localized spider veinlets with potassic and sericite alteration.	15	0	1	Tr
56.5	60.2	Diorite	Grey and white	Coarse Grained	Massive	Grey and white, coarse grained massive diorite. Coarse grained plagioclase and quartz in a felsic matrix. Possible intrusive sill. Trace fine grained disseminated sulfides.	30	0	Tr	Tr
60.2	77.2	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Same as previous.	15	0	1	Tr
77.2	78.2	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Weakly-moderately	Grey and white, coarse grained, weakly-moderately well foliated quartz pebble felsic gneiss. 1% fine grained disseminated pyrite.	10	0	1	Tr
78.2	105.4	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous. Localized sections of 1-2% fine-medium grained blebby pyrite.	15	0	1-2	
105.4	114.5	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Weakly Foliated	Same as previous. Coarser quartz "pebbles". Unit is intermixed with pegmatite and felsic gneiss (S) layers. 1% fine grained disseminated pyrite. 108.2-108.6 Pegmatite.	10	0	1	0
114.5	126.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Same as previous. Intermixed pegmatite and quartz clots. Spider veinlets with chlorite, potassic and sericite alteration.	15	0	1-2	Tr
126.0	132.5	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Grey and green, medium grained, moderately well foliated felsic gneiss with 30 amphibole and biotite in a felsic groundmass. 1% fine grained disseminated pyrite.	10	0	1	Tr
132.5	135.0	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Pervasively potassic altered felsic gneiss. UMLAMP dike cutting through unit is likely source of fluids causing alteration.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
135.0	144.3	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Same as previous. Biotite content varies across the unit. Unit is intermixed with granitic felsic gneiss layers.	30	0	1	Tr
144.3	158.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Granitic felsic gneiss, comprised of coarse grained quartz, biotite, muscovite, and feldspar in a felsic groundmass.	5	0	1	Tr
158.2	164.5	Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Same as previous. Unit is slightly finer grained and has slightly less biotite.	10	0	1	Tr
164.5	168.2	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	1% fine grained disseminated and blebby pyrite.	5	0	1	Tr
168.2	171.1	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	1-2% fine-medium grained blebby pyrrhotite-pyrite with localized sections of 2-3%.	50	Tr	1	2
171.1	173.6	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Same as previous.	5	0	1	Tr
173.6	178.3	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Altered garnet biotite felsic gneiss with intermixed pegmatite. 2-3% pyrrhotite-pyrite. 174m - 2.5x3cm Pyrite clot.	50	3	2	1
178.3	179.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated				Tr	1
179.9	183.7	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Same as previous. Altered garnet biotite felsic gneiss with intermixed pegmatite. 2-3% pyrrhotite-pyrite.	50	3	2	1
183.7	186.1	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Felsic gneiss (S) with intermixed garnet biotite felsic gneiss, and pegmatite. 1-2% overall sulfides with locally 2-3% fine grained streaky and blebby pyrrhotite-pyrite.	15	Tr	1	1
186.1	188.8	Pegmatite	Green, orange and			Granitic pegmatite with felsic gneiss selvages and 1-2% fine grained disseminated pyrite-pyrrhotite.	5	0	1	1
188.8	202.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Unit is intermixed with pegmatite intervals at lower contact. 3-4% fine grained disseminated, streaky, and blebby pyrrhotite-pyrite.	60	5	2	2
202.7	209.4	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Unit is untermixed with pegmatite. 1-2% fine grained streaky, and pyrite-pyrrhotite.	10	0	1	1
209.4	215.6	Felsic Gneiss (C)	Variable Grey	Coarse Grained	Well Foliated	Conglomeratic felsic gneiss with 1-2% overall fine grained disseminated pyrite-pyrrhotite with 2-3% locally. 215-215.6m - Interlayer of porphyroblastic amphibole felsic gneiss.	15	0	1	1
215.6	216.3	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Weakly-moderately	Same as previous.	10	0	1	Tr
216.3	217.8	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Unit is intermixed with pegmatite.	10	0	1	1
217.8	218.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Same as previous.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
218.9	229.7	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Same as previous. Unit is intermixed with pegmatite intervals. 1-2% fine grained disseminated pyrite-pyrrhotite.	5	0	1	1
229.7	232.8	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	2-3% fine grained disseminated, streaky, and medium grained blebs of pyrite-pyrrhotite. Unit is intermixed with pegmatite intervals.	50	0	2	1
232.8	236.3	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Same as previous. Unit is intermixed with pegmatite intervals. 1-2% fine grained disseminated pyrite-pyrrhotite.	10	0	1	1
236.3	237.2	Pegmatite	Green, orange and			Granitic pegmatite with with coarse grained clots of pyrrhotite-pyrite.	5	0	1	2
237.2	244.5	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Same as previous. Unit is intermixed with pegmatite intervals.	10	0	1	1
244.5	247.5	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Weakly Foliated	Same as previous. Unit is intruded by UMLAMP dike (one third of the unit) and is altered at the contacts of the dike.	10	0	Tr	Tr
247.5	253.3	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Same as previous. Unit is intermixed with pegmatite intervals.	10	0	1	1
253.3	259.3	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Porphyroblastic amphibole felsic gneiss intermixed with pegmatite intervals.	5	0	1	Tr
259.3	264.3	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Same as previous. Intermixed pegmatite intervals.	10	0	1	Tr
264.3	284.5	Felsic Gneiss (QP)	Grey and white	Medium-coarse grained	Weakly Foliated	Quartz pebble felsic gneiss with with interlayers of felsic gneiss (S). Localized spider veinlets. 1% patchy fine grained disseminated pyrite with 1-2% locally including sporadic coarse grained clots of pyrite.	10	0	1	Tr
284.5	285.7	UMLAMP Dike	Black	Fine Grained	Massive					
285.7	288.6	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Weakly Foliated		10	0	1	0
288.6	290.3	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated		5	Tr	Tr	1
290.3	291.4	UMLAMP Dike	Black	Fine Grained	Massive					
291.4	292.7	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	Tr	Tr	1
292.7	302.0	UMLAMP Dike	Black	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 454	Bearing of Hole from true North 205	Total Depth (m) 173	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 20/05/2011	Date Completed 22/05/2011	Date Logged May 20-22 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330674
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303426
					(m) degrees		Datum Nad 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	9.1	Pegmatite	Green, orange and			Granitic pegmatite that is mostly barren, and has localized garnet biotite felsic gneiss selvages with 1-2% fine disseminated pyrite-pyrrhotite in the selvages.	5	Tr	1	Tr
9.1	19.1	Garnet Biotite Felsic Gneiss	Grey, white, and pink	Medium Grained	Well Foliated	Garnet biotite felsic gneiss with 2-3% fine grained disseminated, medium grained streaks and blebs of pyrrhotite-pyrite with localized sections of 3-4% sulfides.	60	10	1	2
19.1	24.4	Felsic Gneiss (C)	Grey, black and white	Coarse Grained	Moderately Well Foliated	Conglomeratic felsic gneiss comprised of 10% coarse grained quartz clasts, that are flattened in the S1 direction. 1-2% fine grained disseminated and streaky pyrite-pyrrhotite.	15	0	1	1
24.4	35.4	Garnet Biotite Felsic Gneiss	Grey, white, and pink	Fine Grained	Well Foliated	Same as previous. Unit is finer grained, intermixed pegmatite and quartz clots. Localized spider veinlets with sericite. 1% fine-medium grained blebby pyrite with localized sections of 1-2%	55	5	1	Tr
35.4	42.2	Felsic Gneiss (C)	Grey, black and white	Coarse Grained	Moderately Well Foliated	Same as previous. Unit is intermixed with pegmatite and quartz pebble interlayers. 1-2% fine grained disseminated and streaky pyrite-pyrrhotite.	15	0	1	1
42.2	44.2	Garnet Biotite Felsic Gneiss	Grey, white, and pink	Fine Grained	Well Foliated	Same as previous. Unit is finer grained, intermixed pegmatite and quartz clots. Localized spider veinlets with sericite. 1% fine-medium grained blebby pyrite with localized sections of 1-2%	55	5	1	Tr
44.2	49.7	Altered Garnet Biotite Felsic Gneiss	Green, pink, and grey	Fine Grained	Well Foliated	Chlorite altered garnet biotite felsic gneiss with localized intermixed pegmatite intervals. 2-3% fine grained disseminated and blebby pyrite-pyrrhotite with localized coarse grained clots.	55	5	2	1
49.7	54.7	Felsic Gneiss (S)		Coarse Grained	Moderately Well Foliated	Felsic gneiss with 30% coarse grained nests of sillimanite and coarse grained quartz. 1% fine grained disseminated sulfides overall with 1-2% locally.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
54.7	56.8	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Quartz pebble felsic gneiss with 1% fine grained disseminated sulfides.	10	0	1	Tr
56.8	57.7	Pegmatite	Green, orange and			Granitic pegmatite with less than 1% disseminated sulfides.	5	0	Tr	Tr
57.7	65.8	Felsic Gneiss (S)	Grey, and white	Coarse Grained	Moderately Well Foliated	Same as previous.	15	0	1	Tr
65.8	69.5	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Weakly-moderately	Granitic pegmatite with intermixed pegmatite and felsic gneiss (S) layers. 1% overall fine grained disseminated sulfides.	5-10	0	1	Tr
69.5	73.5	Pegmatite	Green, orange and				5	0	Tr	Tr
73.5	79.7	Felsic Gneiss (QP)	Grey, and white	Medium-coarse	Weakly Foliated	Same as previous. 1% fine grained disseminated pyrite.	10	0	1	Tr
79.7	80.6	Pegmatite				Same as previous.	5	0	1	Tr
80.6	82.0	Felsic Gneiss (QP)	Grey, and white	Medium-coarse	Weakly Foliated	Quartz pebble felsic gneiss with fine grained disseminated pyrite.	10	0	1	Tr
82.0	89.1	Diorite	Grey, white, and pink	Medium Grained	Massive	Massive-weakly foliated diorite with 1% fine grained disseminated sulfides,	30	0	1	Tr
89.1	90.6	Pegmatite	Green, orange and			Same as previous.	5	0	1	Tr
90.6	91.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		10	0	1	Tr
91.7	123.2	Diorite	Grey, white, and pink	Medium Grained	Massive	Same as previous.	30	0	1	Tr
123.2	132.8	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
132.8	146.0	Pegmatite	Green, orange and			Pegmatite is barren except for a localized 3-4% Po 10cm section at 142.5m	5		Tr	Tr
146.0	157.8	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	3-4% fine grained disseminated and coarse grained blebs and clots of pyrite, with localized net-textured pyrrhotite.	55	Tr	3-4	Tr
157.8	165.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Unit has zones of brecciated and broken core, and >1% fine grained disseminated pyrite.	10	0	Tr	Tr
165.0	173.0	Amphibolite				Dark green, light green, fine-medium grained, moderately well foliated amphibolite that is inter-fingered with felsic gneiss (S)'s. >1% fine grained disseminated sulfides. 173m is the end of the hole.				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 455	Bearing of Hole from true North 205	Total Depth (m) 173	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 22/05/2011	Date Completed 24/05/2011	Date Logged May 22-22 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330597
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303482
					(m) degrees		Datum Nad 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.1	Casing								
4.1	22.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse grained	Moderately Well Foliated	Garnet Biotite felsic gneiss with 5% fine grained disseminated, coarse grained blebby and net-textured pyrite. 4.8m - 10 cm section of massive net-textured pyrite. Localized spider veinlets with sericite and potassic alteration.	65	7	4	1-2
22.3	30.0	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Granitic felsic gneiss comprised of medium-coarse grained muscovite, feldspar, quartz, and biotite in a felsic groundmass. 1-2% fine grained disseminated and streaky pyrite-pyrrhotite. 29-30m- 2-3% medium grained blebby and net-textured pyrrhotite-pyrite.	5	0	1	1
30.0	33.5	Pegmatite	Green, orange and			Granitic intermixed with 40% garnet biotite felsic gneiss selvages. 1% fine grained disseminated pyrite-pyrrhotite in the felsic gneiss selvages.	20	0	1	Tr
33.5	55.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Garnet biotite felsic gneiss with 2-3% fine grained disseminated pyrite-pyrrhotite. Localized spider veinlets with sericite alteration haloes.	55	10	1	2
55.9	71.2	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Localized coarse grained porphyroblasts of garnet, fine-medium grained sillimanite, spider veinlets and quartz veins.	10	1	1	Tr
71.2	73.5	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
73.5	75.1	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous. 74.7m - 4 cm massive clot of pyrite-pyrrhotite.	10	1	2	2
75.1	90.8	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous. Localized spider veinlets and zones of broken and blocky core, and quartz clots.	5	0	1	Tr
90.8	95.2	UMLAMP Dike								

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
95.2	111.7	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Sericitically and potassically altered granitic felsic gneiss.	2	0	1	0
111.7	117.0	Pegmatite	Green, orange and			Same previous with felsic gneiss selvages.	5		1	Tr
117.0	123.6	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
123.6	125.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	10	1	1	Tr
125.4	127.0	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
127.0	134.5	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	10	1	1	Tr
134.5	136.4	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
136.4	137.7	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	10	1	1	Tr
137.7	149.1	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous. Unit is coarser grained than previous quartz pebble felsic gneiss.	10	0	Tr	Tr
149.1	160.4	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Footwall amphibolite with >1% fine grained disseminated and blebby sulfides.	5	10	Tr	Tr
160.4	173.0	Diabase Dike	Black	Fine-medium	Massive	173 is the end of the hole.				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 456	Bearing of Hole from true North 205	Total Depth (m) 320	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 22/05/2011	Date Completed 24/05/2011	Date Logged May 22-24 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330707
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303693
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	24.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Felsic gneiss with 1% overall fine grained disseminated pyrite-pyrrhotite with localized sections of 1-2% and localized coarse grained clots of thin bands of pyrite. Localized spider veinlets with alteration haloes.	5-10	0	1	Tr
24.4	32.6	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Felsic gneiss (S) with 1-2% fine grained disseminated pyrite-pyrrhotite.	10-15	0	2	Tr
32.6	48.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous	5-10	0	1	Tr
48.5	50.3	Amphibole Felsic Gneiss	Grey and green	Medium Grained	Porphyroblastic	Porphyroblastic amphibole felsic gneiss comprised of 30% medium grained porphyroblastic amphibole and biotite in a felsic groundmass. >1% sulfides.	10			Tr
50.3	66.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5-10	0	1	Tr
66.7	68.0	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Quartz pebble felsic gneiss with 1% fine grained disseminated pyrite-pyrrhotite.	10	0	1	Tr
68.0	74.3	Diorite	Grey, and white	Coarse Grained	Massive	Massive diorite comprised of 60% coarse grained plagioclase and biotite in a felsic matrix.	30	0	1	Tr
74.3	78.3	Altered Felsic Gneiss (S)	Grey and green	Fine-medium	Moderately Well Foliated	Felsic gneiss with patchy chlorite alteration and vugs. 2% patchy medium blebby pyrite.	5	0	2	Tr
78.3	80.8	UMLAMP Dike	Black	Fine Grained	Porphyritic					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
80.8	90.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Felsic gneiss with localized spider veinlets, quartz clots and veins. 2% fine grained disseminated pyrite.	10	0	2	Tr
90.8	92.6	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	1% fine grained disseminated pyrite.	10	0	1	Tr
92.6	102.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Same as previous. Localized patches of chlorite alteration and increased biotite with increased sulfides.	10	0	2	Tr
102.0	107.5	Amphibolite	Dark Green	Fine Grained	Well Foliated	Well foliated amphibolite with 2% fine grained disseminated, and medium grained blebby pyrrhotite.	5	0	Tr	2
107.5	108.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	2	Tr
108.8	114.9	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Same as previous. Increased quartz "pebbles". Localized spider veinlets and coarse quartz clots.	10	0	1	Tr
114.9	137.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz veins, chlorite, spider veinlets and pegmatite intervals. 122.2 m - UMLAMP. Localized vuggy core. 1-2% fine grained disseminated pyrite-pyrrhotite, in patchy sections. Localized vugs.	15	0	2	Tr
137.9	142.2	Felsic Gneiss (S)	Dark\Light Green	Fine-medium	Well Foliated	Felsic gneiss with 35% fine-medium grained amphibole and biotite in a fine grained felsic groundmass. Abundant spider veinlets and localized pegmatite intervals.	30	0	1	Tr
142.2	149.4	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	142.2-145m - Pervasive sericite and potassic alteration. 1% fine grained disseminated pyrite.	10	0	1	Tr
149.4	159.4	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized coarse grained clots of pyrite.	5	0	1	Tr
159.4	167.7	Felsic Gneiss (S)	Light Grey	Fine-medium	Well Foliated	Felsic gneiss with 1% fine grained disseminated and coarse grained clots of pyrite.			1	Tr
167.7	172.7	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Amphibolite with 1-2% fine grained disseminated pyrite-pyrrhotite occurring patches.	5	Tr	1	1
172.7	174.1	Pegmatite	Green, orange and			Granitic pegmatite.	5	0	Tr	Tr
174.1	175.3	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly Foliated	Felsic gneiss with 1% fine grained disseminated pyrite.	5	0	1	Tr
175.3	188.3	Amphibolite	Dark\Light Green	Fine Grained	Moderately well-well	Same as previous - with coarse grained porphyroblasts of garnet and 1-2% fine grained disseminate pyrite-pyrrhotite.	5	1	1	1
188.3	190.7	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous. Localized spider veinlets.	5	0	1	Tr
190.7	200.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Unit is intermixed with 40% pegmatite intervals. 2-3% fine grained disseminated, streaky, and schlieren pyrite-pyrrhotite.	65	10	2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
200.3	202.5	K-Altered Felsic Gneiss (S)	Pink	Fine Grained	Moderately Well Foliated	Potassically and sericitically altered felsic gneiss..	2	0	Tr	1
202.5	204.6	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Fine grained disseminated and blebby pyrite.	20	0	2	Tr
204.6	209.7	Felsic Gneiss (G)	Grey and green	Medium-coarse	Moderately Well Foliated	Intermixed of felsic gneiss (G) and garnet biotite felsic gneiss a 30 cm scale. 2-3% fine grained disseminated and streaky pyrite-pyrrhotite in the garnet biotite felsic gneiss.	10	2	2	1
209.7	212.0	Felsic Gneiss (S)	Grey and green	Fine-medium	Moderately Well Foliated	Lower 1.5m of the unit is leached and has vugs with epidote crystals in them.	15	0	1	Tr
212.0	214.9	Felsic Gneiss (C)	Grey, green, and white	Coarse Grained	Moderately Well Foliated	Conglomeratic felsic gneiss with pervasive quartz clots, and epidote crystals. Localized intermixed quartz pebble felsic gneiss sections. 1-2% fine grained disseminated pyrite-pyrrhotite.	10	0	1	1
214.9	215.5	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
215.5	217.7	Felsic Gneiss (C)	Grey, green, and white	Coarse Grained	Moderately Well Foliated	Same as previous.	10	0	1	1
217.7	228.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous. 2-3% fine grained streaky, schlieren, and disseminated pyrite-pyrrhotite.	65	10	2	1
228.8	233.4	Felsic Gneiss (S)	Grey, and white	Fine-medium	Moderately Well Foliated	Unit is an intermix of quartz pebble and felsic gneiss (S). Localized potassic alteration. 1% fine grained disseminated pyrite.	10	0	1	Tr
233.4	234.4	Pegmatite	Green, orange and			Same as previous.	5	0	1	Tr
234.4	242.7	Felsic Gneiss (G)	Grey and green	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss with localized pegmatite intervals with coarse grained blebs and veins of pyrite-pyrrhotite. Localized garnet biotite and garnet rich sections. 2-3% pyrrhotite-pyrite overall in the unit.	5	0	1	2
242.7	263.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Unit is intermixed pegmatite and felsic gneiss (C) layers. 1-2% fine grained disseminated pyrite-pyrrhotite.	10-15	0	1	1
263.2	272.3	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Abundant spider veinlets with sericite and potassic alteration haloes. 1% very grained disseminated pyrite.	10	0	1	Tr
272.3	294.3	Felsic Gneiss (QP)	Grey, and white	Medium-coarse	Weakly Foliated	Quartz pebble felsic gneiss with intermixed pegmatite and felsic gneiss (S) layers. 1% overall fine grained disseminated sulfides with 1-2% locally.	10	0	1	Tr
294.3	298.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed amphibolite layers and localizd spider veinlets. 1% fine grained disseminated pyrite.	10	0	1	Tr
298.9	316.9	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized fine-medium grained blebby pyrrhotite.	5	2	Tr	1
316.9	320.0	UMLAMP Dike	Black	Fine Grained		UMLAMP dike cutting through the amphibolite. 320m is the end of the hole.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
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Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 452	Bearing of Hole from true North 205	Total Depth (m) 175	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 24/05/2011	Date Completed 25/05/2011	Date Logged May 24-25 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330511
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303505
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	9.5	Diabase Dike	Black	Fine-medium	Massive					
9.5	12.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	3-4% fine-medium grained blebby, disseminated, thin banded pyrite-pyrrhotite.	50	2	3	1
12.0	19.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Weakly Foliated	Granitic felsic gneiss comprised of coarse grained quartz, muscovite, feldspar, biotite, and medium-coarse grained "bundles" of fine grained sillimanite. 2% fine grained disseminated and blebby pyrite in patchy zones. Localized pegmatite intervals.	5	0	2	Tr
19.7	25.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous.	50	2	3	1
25.0	26.2	Pegmatite	Green, orange and			Granitic pegmatite with 10% felsic gneiss selvages with 1-2% medium grained blebby pyrrhotite.	5	0	1	1
26.2	27.5	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	1% sporadic fine grained blebby pyrite. Unit is intermixed with pegmatite.	10	0	1	Tr
27.5	28.3	Pegmatite	Green, orange and			Same as previous.	5	0	1	1
28.3	34.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous. 30-31m - Biotite rich (>80%) zone (possible shear zone?) Pervasive parasitic folding. Intermixed pegmatite intervals. 2-3% fine grained disseminated and blebby pyrite-pyrrhotite, with localized coarse grained blebs.	65	2	2	1
34.2	39.9	Pegmatite	Green, orange and			Same as previous. 1% localized coarse grained blebs and clots of pyrite-pyrrhotite.	2	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
39.9	40.9	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	1% fine grained disseminated sulfides.	10	0	1	Tr
40.9	41.8	Quartz Vein	White	Coarse Grained	Massive	Quartz vein with 1-2% coarse grained clots of pyrite and intermittent felsic gneiss (S) selvages.	2		1-2	Tr
41.8	42.5	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Same as previous.	2	0	1	Tr
42.5	43.8	Felsic Gneiss (S)	Grey, and white	Fine-medium	Banded	Pervasive potassic, and epidote alteration.	2	0	1	Tr
43.8	46.6	Pegmatite	Green, orange and			Same as previous.	2	0	1	Tr
46.6	48.0	Felsic Gneiss (S)	Grey and green	Medium Grained	Moderately Well Foliated	Pervasive sericite and potassic alteration and a zone of increased biotite and parasitic folding.	15	0	1	Tr
48.0	48.8	Quartz Vein	White	Fine Grained	Massive	Mostly barren milky white quartz vein.	0	0	Tr	Tr
48.8	57.8	Felsic Gneiss (C)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Conglomeratic felsic gneiss comprised of 20% coarse grained quartz clasts in a fine grained felsic groundmass. Localized coarse grained porphyroblasts of garnet. 1-2% fine grained disseminated pyrite-pyrrhotite.	10	2	1	1
57.8	67.4	Garnet Biotite Felsic Gneiss	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized intervals of pegmatite (10%) , and medium grained "nests" of sillimanite. 1% overall fine grained disseminated and blebby pyrite.	60	5	1	Tr
67.4	69.6	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Quartz pebble felsic gneiss.	10	0	1	Tr
69.6	75.6	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Spider veinlets with localized with sericite and potassic alteration haloes. 1% fine grained disseminated and blebby pyrite with 1-2% locally.	5-10	0	1	Tr
75.6	84.6	Pegmatite	Green, orange and white			Granitic pegmatite. 1-2% fine grained disseminated and blebby pyrite with 1-2% pyrite-pyrrhotite with the majority of the sulfides associated with biotite rich sections and felsic gneiss (S) selvages.	10	0	2	Tr
84.6	86.0	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Felsic gneiss (s) with amphibole felsic gneiss interlayers.	5-10	0	1	Tr
86.0	90.3	Pegmatite	Green, orange and white			Granitic pegmatite. 1-2% fine grained disseminated and blebby pyrite with 1-2% pyrite-pyrrhotite with the majority of the sulfides associated with biotite rich sections and felsic gneiss (S) selvages.	10		2	Tr
90.3	100.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss with 1-2% fine grained disseminated and coarse grained pyrrhotite-pyrite. Possible coarse grained cordierite and/or blue amphibole within the unit.	5	0	1	1
100.0	100.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	5-10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
100.6	103.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous. Abundant spider veinlets.	5	0	1	1
103.3	104.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	5-10	0	1	Tr
104.6	106.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	1
106.7	110.0	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated		10	0	1	Tr
110.0	115.6	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
115.6	117.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	5-10	0	1	Tr
117.4	118.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	1
118.3	120.1	Pegmatite	Green, orange and			Same as previous.	10	0	1	Tr
120.1	130.4	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	1% fine grained disseminated and coarse grained clots and blebs of pyrrhotite.	5	10	Tr	1
130.4	132.7	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	20% coarse grained "nests" of fine grained sillimanite.	5	1	Tr	1
132.7	133.9	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous.	5	10	Tr	Tr-1
133.9	140.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	1% patchy and fine grained streaky pyrrhotite.	10	Tr	Tr	1
140.8	147.8	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous.	5	10	Tr	1
147.8	148.9	Pegmatite	Green, orange and			Barren granitic pegmatite.	5	0	Tr	Tr
148.9	160.5	Amphibolite	Dark\Light green and	Very Fine-fine grained	Well Foliated	Same as prervious.	5	10	Tr	1
160.5	161.6	Felsic Gneiss (QP)	Dark\Light green and	Coarse Grained	Moderately Well Foliated	Same as previous.	10	0	Tr	Tr
161.6	163.7	Felsic Gneiss (S)	Dark Grey	Coarse Grained	Moderately Well Foliated	Same as previous.	10	Tr	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
163.7	167.7	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous.	10	0	Tr	Tr
167.7	173.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous.	10	Tr	Tr	Tr
173.5	174.8	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous. 174.8 m is the end of the hole.	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 294	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 24/05/2011	Date Completed 26/05/2011	Date Logged May 24-26 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330520 Northing 5303788 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	13.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	1-2% fine grained disseminated pyrite-pyrrhotite. Intermittent spider veinlets, quartz veins, localized vugs, sericite, siliceous and potassic alteration.	5	0	2	1-Tr
13.0	15.5	Felsic Gneiss (S)	Grey, and white	Coarse Grained	Moderately Well Foliated	Felsic gneiss (S) with intermixed quartz veins and 20% coarse grained amphibole. 1-2% fine grained disseminated pyrite and coarse grained clots of pyrite.	10	0	1	1
15.5	62.3	Felsic Gneiss (S)	Dark Grey	Fine-medium grained	Moderately Well Foliated	Same as previous gneiss 4.2-13m. Biotite gradates between 5-10%. Sulfides are slightly patchy, 1-2% fine grained disseminated pyrite-pyrrhotite and localized coarse grained clots of pyrite. Abundant spider veinlets at upper contact.	5-10	0	1	1
62.3	63.5	Pegmatite	Green, orange and			Granitic pegmatite with 30% fine grained disseminated selvages. 1% fine grained disseminated pyrite the felsic gneiss selvages.	10	0	1	Tr
63.5	67.6	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Same as previous.	5-10	0	1	1
67.6	69.5	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	1-2% fine grained disseminated pyrite, with trace pyrrhotite.	10	0	1-2%	Tr
69.5	76.6	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Same as previous.	5-10	0	1	1
76.6	80.4	Altered Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Same as previous but with pervasive spider veinlets, sericite and potassic alteration.	10	0	1	Tr
80.4	85.8	Felsic Gneiss (S)				Same as previous gneiss 69.5-76.6m. 1-2% fine grained disseminated pyrite-pyrrhotite and locally coarse grained pyrite.	5-10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.8	109.3	Diorite	Grey, white, and pink	Medium Grained	Massive	Diorite comprised of 60% plagioclase and 30% biotite in a fine grained felsic matrix. Abundant spider veinlets with sericite and potassic alteration. Localized zones of 1-2% coarse grained blebs of pyrite.	30	0	1	Tr
109.3	123.5	Altered Felsic Gneiss (S)	Grey, green, and pink	Medium Grained	Moderately Well Foliated	Pervasively altered felsic gneiss. 80% original rock is sericitically, potassically, and chlorite altered. Abundant spider veinlets. No visible increase in sulfides as a result of the alteration. Trace-1% fine grained disseminated pyrite-pyrrhotite.	2	0	Tr	Tr
123.5	125.0	UMLAMP Dike	Black	Fine-medium	Massive					
125.0	131.4	Altered Felsic Gneiss (S)				Same as previous.	2	0	Tr	Tr
131.4	137.1	Felsic Gneiss (G)	Grey and green	Coarse Grained	Weakly Foliated	Granitic felsic gneiss with interlayers of felsic gneiss (s). 1% fine grained disseminated pyrite and localized coarse grained clots.	5	0	1	Tr
137.1	142.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Felsic gneiss intermixed with intermixed biotite\chlorite rich zones. 1% overall fine grained disseminated and streaky pyrite-pyrrhotite with localized coarse grained clots of pyrite-pyrrhotite.	10	0	1	Tr
142.4	147.2	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	1% fine grained disseminated and streaky pyrrhotite.	5	5	Tr	1
147.2	155.0	Felsic Gneiss (S)	Grey and green	Fine Grained	Moderately Well Foliated	Chlorite altered felsic gneiss. 1% fine grained disseminated pyrite and trace pyrrhotite.	10	0	1	Tr
155.0	156.0	Pegmatite	Green, orange and			Same as previous.	10	0	1	Tr
156.0	157.0	Felsic Gneiss (S)	Grey and green	Fine Grained	Moderately Well Foliated	Same as previous.	10	0	1	Tr
157.0	159.0	Pegmatite	Green, orange and			Same as previous. 158.9m - 4 cm wide pyrrhotite vein.	10	0	1	Tr
159.0	162.1	Felsic Gneiss (S)	Grey and green	Fine Grained	Moderately Well Foliated	Same as previous.	10	0	1	Tr
162.1	165.7	Felsic Gneiss (S)	Dark Grey	Fine-medium	Well Foliated	1-2% fine-medium grained blebby pyrite-pyrrhotite and localized coarse grained cm-scale veins of pyrite.	15	1	2	1
165.7	167.6	Pegmatite	Green, orange and			Same as previous.	10	0	1	Tr
167.6	182.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Well Foliated	Same as previous.	15	1	2	Tr
182.9	193.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	2-3% fine grained blebby, disseminated and steaky pyrrhotite-pyrite and localized coarse grained blebs of pyrrhotite-pyrite. Intermixed pegmatite intervals.	55	10	1	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
193.5	194.9	Pegmatite	Green, orange and			Same as previous.	10	0	1	Tr
194.9	197.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous.	55	10	1	2
197.4	198.3	Quartz Vein	White	Very Coarse Grained	Massive	Medium grained blebby sulfides at the margins of the quartz vein.			Tr	1
198.3	201.7	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
201.7	203.3	Garnet Biotite Felsic Gneiss	Grey	Medium Grained	Well Foliated	Unit has less garnet porphyroblasts than previous garnet biotite felsic gneiss, and 1% fine grained disseminated pyrrhotite-pyrite.	50	2	Tr	1
203.3	209.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Unit is intermixed with pematite intervals.	5	0	1	Tr
209.4	214.6	Altered Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Chlorite altered felsic gneiss with 1-2% fine grained disseminated pyrrhotite-pyrite.	5	0	1	1
214.6	216.5	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
216.5	218.7	Altered Felsic Gneiss (S)	Grey and green	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	1
218.7	227.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets with sericite alteration. 1% fine grained disseminated pyrite.	5	0	1	Tr
227.9	236.6	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
236.6	239.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	1	Tr
239.1	249.5	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous. 30% intermixd felsic gneiss (s) layers. 1% overall fine grained disseminated pyrite-pyrrhotite with localized coarse grained clots.	10	0	1	Tr
249.5	251.1	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	2% fine grained disseminated, blebby, and coarse grained clots of pyrrhotite.	5	2	Tr	2
251.1	263.5	Felsic Gneiss (G)	Grey, and white	Coarse Grained	Moderately Well Foliated	1% overall sulfides with localized zones of 5-10 cm patches of 1-2% pyrite-pyrrhotite.,	5	0	1	Tr
263.5	265.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
265.3	267.1	Felsic Gneiss (G)	Grey, and white	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
267.1	294.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous. 294m is the end of the hole.	5	2	Tr	2

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 131	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 26/05/2011	Date Completed 27/05/2011	Date Logged May 26-27 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330418
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303571
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.1	Casing								
4.1	16.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss comprised of coarse grained quartz, muscovite, biotite, feldspar and coarse grained "nests" of sillianite. 1-2% patchy medium-coarse grained blebby pyrite-pyrrhotite.	5	0	1	1
16.7	18.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Very Coarse Grained	Well Foliated	Black, pink, and bluish gray garnet biotite felsic gneiss. Unit is very biotite rich (possible shear zone?), and parasitically folded. Intermixed pegmatite clots. 2% medium grained blebby pyrrhotite-pyrite.	75	2	1-2	1-2
18.2	23.8	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Well Foliated	Same as previous unit but with pervasive sericite and silica alteration stemming from abundant spider veinlets at intruding granitic pegmatite (21.8m). 2-3% patchy coarse grained clots and medium steaks of and blebs of pyrrhotite-pyrite.	50	5	1	2
23.8	39.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Abundant spider veinlets, and possible cordierite in the matrix, and "bundes" of sillimanite crystals. 1-2% fine grained disseminated and blebby pyrite-pyrrhotite with 10 cm localized sections of 2-3% sulfides.	65	10	1	1
39.3	42.1	Biotite Felsic Gneiss	Grey and black	Fine Grained	Moderately Well Foliated	Localized spider veinlets and quartz clots. 1% fine grained disseminated pyrite.	50	Tr	1	Tr
42.1	46.2	Pegmatite	Green, orange and			Granitic pegmatite mostly barren.	2	0	Tr	Tr
46.2	49.2	Garnet Biotite Felsic Gneiss		Fine Grained		Abundant spider veinlets 1% fine grained disseminated and streaky pyrite-pyrrhotite.	35-40	2	1	Tr
49.2	50.9	Felsic Gneiss (C)	Grey, and white	Coarse Grained	Moderately Well Foliated	Conglomeratic felsic gneiss, comprised of 10% coarse grained quartz clasts that are elongated parallel to foliation. Patchy vugs with fine grained crystalline epidote forming in the vugs. 1-2% fine grained streaky pyrite-pyrrhotite.	10	1	1-2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
50.9	61.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Same as previous gneiss 46.2-49.2m. 1-2% fine grained-medium grained blebby and disseminated pyrrhotite-pyrite. Intermixed 10-40 cm sections of quartz pebble felsic gneiss.	60	5	1	1
61.0	62.2	Garnet Biotite Felsic Gneiss	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Trace sulfides and abundant spider veinlets.	50	5	Tr	Tr
62.2	66.0	Altered Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Unit is siliceously altered, is intermixed with pegmatite. 1-2% fine grained disseminated pyrrhotite-pyrite.	2	0	Tr	2
66.0	74.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized clots of pegmatite. 1% sulfides overall with 1-2% fine grained disseminated, blebby, and coarse grained clots of pyrrhotite-pyrite locally.	5-10	Tr	1	1
74.0	76.4	Felsic Gneiss (G)	Light Grey	Coarse Grained	Weakly Foliated	Granitic felsic gneiss comprised of coarse grained muscovite, quartz, feldspar and fine grained biotite in a felsic groundmass. Trace fine grained sulfides.	5	0	Tr	Tr
76.4	79.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	5-10	Tr	1	1
79.9	81.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Very Coarse Grained	Well Foliated	Same as previous gneiss 16.7-18.2m. Unit appears leached and has abundant vugs.	75	5	1-2	1
81.5	106.0	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Same as previous. 1% fine grained disseminated pyrite-pyrrhotite overall with localized 5 cm sections of 1-2%.	5-7	0	1	Tr
106.0	106.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	5-10	Tr	1	1
106.9	107.9	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Quartz pebble felsic gneiss with 1% fine grained disseminated sulfides.	10	0	1	Tr
107.9	109.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	5-10	Tr	1	1
109.6	111.2	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
111.2	114.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous. Intermixed pegmatite.	5-10	0	1	1
114.5	120.9	Felsic Gneiss (G)	Light Grey	Coarse Grained	Weakly Foliated	Same as previous.	5	0	Tr	Tr
120.9	130.8	Amphibolite	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized intervals of pegmatite and felsic gneiss (S), chlorite, and sericite alteration. 1% overall fine grained streaky to thin banded and localized veinlets. 130.8 is the end of the hole.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 311	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 26/05/2011	Date Completed 29/05/2011	Date Logged May 26-29 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330520
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303788
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	11.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	1% disseminated and patchy pyrite overall, with sections of 1-2% near the lower contact. Patchy fine grained amphibole. Spider veinlet with alteration haloes.	10	0	1	Tr
11.2	18.1	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	1-2% fine-medium grained amphibole. Patchy quartz clots, localized spider veinlets. 1-22% fine grained disseminated pyrite. 11.7m- quartz with coarse grained blebs of clots of pyrite.	10	0	2	Tr
18.1	22.8	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Same as previous gneiss 4-11.2m.	10	0	1	Tr
22.8	68.3	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous gneiss 11.2-18.1m.	10	0	1	Tr
68.3	70.8	Pegmatite	Green, orange and			Granitic pegmatite with trace sulfides.	5	0	Tr	Tr
70.8	78.2	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	2	Tr
78.2	91.5	Diorite	Grey, white, and pink	Medium Grained	Massive	Diorite comprised of 60% plagioclase and 30% feldspar.	30	0	1	Tr
91.5	100.4	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	2	Tr
100.4	109.7	Diorite	Grey, and white	Medium Grained	Massive	Same as previous.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
109.7	122.0	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	2	0
122.0	128.7	Felsic Gneiss (G)	Grey	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss with 1% fine grained disseminated pyrite.	5	0	1	Tr
128.7	129.6	UMLAMP Dike	Black and white							
129.6	157.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Pervasively sericitically, potassically and minor chlorite altered felsic gneiss. 1% fine grained disseminated pyrite.	5	0	1	Tr
157.0	165.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	"Quartz flooded" felsic gneiss with 1% fine grained disseminated sulfides.	5	0	1	Tr
165.8	176.6	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Weakly Foliated	Same as previous.	5	0	1	Tr
176.6	179.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	1-2% coarse grained blebby and fine grained disseminated sulfides.	60	5	1	1
179.7	183.6	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Sericite and siliceous alteration and intermixed garnet biotite felsic gneiss layers. Fine grained overall, fine -medium grained blebby sulfides. Locally 1-2% sulfides.	10	Tr	1	Tr
183.6	186.2	Pegmatite	Green, orange and			Granitic pegmatite with 1% fine grained disseminated sulfides.	5	0	1	Tr
186.2	199.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	30% intermixed pegmatite abundant sericite alteration. 1-2% fine grained disseminated sulfides.	10	0	1	1
199.9	204.2	Biotite Felsic Gneiss	Grey and black	Fine Grained	Well Foliated	1-2% fine grained disseminated and blebby pyrrhotite-pyrite. Localized thin bands and streaks.	50	0	1	1
204.2	220.5	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Felsic gneiss with pervasive sericite, potassic and silica alteration. Localized broken core zones, vugs and biotite rich sections. 1% sulfides overall with 1-2% fine, medium disseminated blebby pyrite-pyrrhotite. 20% intermixed pegmatite.	5-10	0	1	Tr
220.5	228.4	Felsic Gneiss (C)	Grey, and white	Coarse Grained	Moderately Well Foliated	10% coarse grained quartz clasts elongated in the S1 direction. 1-2% fine grained disseminated, streaky, and blebby pyrrhotite-pyrite.	10	0	1	1
228.4	236.0	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	1% fine grained disseminated and thin banded pyrite-pyrrhotite.	10	0	1	Tr
236.0	239.5	Altered Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Chlorite altered felsic gneiss, with 1-2% fine grained disseminated pyrite-pyrrhotite.	5	0	2	Tr
239.5	257.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	1% fine grained disseminated pyrite. Localized sections of 1-2%.	5	0	1	Tr
257.4	262.6	Felsic Gneiss (S)	Light Grey	Medium-coarse	Well Foliated		5-10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
262.6	268.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous gneiss 239.5-257.4m.	5	0	1	Tr
268.7	270.2	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	1% medium grained blebby pyrrhotite.	5	Tr	Tr	1
270.2	276.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous. 1% fine grained disseminated sulfides.	5	0	1	Tr
276.7	277.7	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	Tr	Tr	1
277.7	289.4	Felsic Gneiss (S)	Light Grey	Medium-coarse	Well Foliated	Same as previous gneiss 257.4-262.6m.	5-10	0	1	Tr
289.4	293.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		5	0	1	Tr
293.5	294.6	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	Tr	Tr	1
294.6	295.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous. >1% sulfides.	5	0	Tr	Tr
295.7	297.1	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	Tr	Tr	1
297.1	299.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	Tr	Tr
299.7	310.7	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous. 310.7m is the end of the hole.	5	Tr	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 205	Total Depth (m) 191	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 27/05/2011	Date Completed 29/05/2011	Date Logged May 27-29 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330334 Northing 5303635 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	20.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse grained	Moderately Well Foliated	5.1-6.4m - Higher percentage of medium-coarse grained "bundles" of fine grained acicular sillimanite needles. Localized spider veinlets and quartz veins. 1% overall fine grained disseminated pyrite. 18-10.3m - Intermixed pegmatite and 3-4% blebby Po-Py.	60	15	1	Tr
20.3	22.2	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly Foliated	Granitic felsic gneiss comprised of coarse grained quartz, plagioclase, feldspar, and muscovite. 1% fine-medium grained blebby pyrrhotite-pyrite.	2	0	Tr	1
22.2	26.1	Altered Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Pervasive potassic alteration, 1 cm vugs and localized quartz and pegmatite intervals. 2-3% coarse grained blebby pyrite.	2	0	2	1
26.1	40.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Same as previous. Patchy potassic alteration and sections of 3-4% medium-coarse grained pyrite with 2-3% overall.	2-3	0	3	Tr
40.1	49.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Biotite content slightly variable. Localized quartz veins and intervals of pegmatite. 3-4% medium grained, coarse grained blebby, thin banded pyrite-pyrrhotite. Localized zones of pyrite+pyrrhotite blebs. Localized vugs with sulfides in them.	60	7	3	1
49.2	60.9	Felsic Gneiss (G)	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Intermixed unit of 60-40% felsic gneiss (G) to garnet biotite felsic gneiss. Localized vugs, and intermixed pegmatite. 3-4% fine grained, and coarse grained blebby and clots of pyrite-pyrrhotite. 53.9m - 1.5 cm x 6 cm vein of pyrite-pyrrhotite.	30	2-5	3	1
60.9	75.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized fine grained sillimanite "bundles". 2-3% fine grained disseminated, blebby, and streaky pyrite-pyrrhotite.	60	5	2	1
75.8	87.2	Diabase Dike				Lower contact is brecciated and has 1% fine grained , thin banded pyrrhotite.			Tr	Tr
87.2	92.9	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	1% overall fine grained disseminated pyrrhotite locally 1-2%.	20	Tr	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
92.9	98.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Same as previous.	60	5	2	1
98.7	100.4	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	1% fine grained disseminated pyrrhotite-pyrite local quartz veinlets.	50	0	Tr	1
100.4	102.6	Pegmatite	Grey, white, and pink			Granitic pegmatite with 40% intermixed felsic gneiss selvages. 1% fine grained blebby and disseminated pyrite.	10	0	1	Tr
102.6	104.5	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Same as previous.	50	0	Tr	1
104.5	109.7	Felsic Gneiss (S)	Grey, and white	Coarse Grained	Moderately Well Foliated		10	0	1	Tr
109.7	112.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	1% fine grained disseminated pyrite.	5	0	1	Tr
112.7	121.9	Felsic Gneiss (G)	Grey, and white	Medium-coarse	Moderately Well Foliated		5	0	1	Tr
121.9	123.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
123.9	130.6	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	>1% fine grained disseminated pyrrhotite-pyrite.	20	0	Tr	Tr
130.6	135.7	Pegmatite	Green, orange and			Granitic felsic gneiss with 1% fine grained disseminated pyrite. Localized felsic gneiss selvages.	5	0	1	Tr
135.7	136.8	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous. >1%-1% fine grained disseminated sulfides.	20	0	Tr	Tr
136.8	138.5	Pegmatite	Green, orange and			Same as previous.	5	0	1	Tr
138.5	139.3	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Medium grained quartz and plagioclase in a felsic groundmass. Trace to 1% fine grained disseminated pyrite.	10	0	Tr	Tr
139.3	145.1	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Fine grained amphibolite with 1-2 cm garnet porphyroblasts. 1% fine grained disseminated pyrrhotite with 1-2% locally.	5	10	Tr	1
145.1	145.8	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated		5	0	1	Tr
145.8	164.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Interlayered unit with well foliated biotite felsic gneis. 1% overall pyrrhotite with 1-2% fine grained disseminated and medium grained blebby.			Tr	1
164.1	167.1	Felsic Gneiss (S)				Same as previous. 1% fine grained disseminated pyrite.	5	10	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
167.1	170.1	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	1% sulfides overall with 1-2% in localized pyrite.				
170.1	174.2	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Same as previous.	5	0	1	Tr
174.2	191.0	Amphibolite	Dark\Light green and	Fine Grained	Massive	Same as previous. 191m - is the end of the hole.	5	10	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 205	Total Depth (m) 155	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 29/05/2011	Date Completed 30/05/2011	Date Logged May 29-30 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330243 Northing 5303668 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	5.4	Felsic Gneiss (G)	Grey, and white	Coarse Grained	Moderately Well Foliated	sulfides associated with biotite. Medium grained and fine grained blebby and disseminated Pyrite -pyrrhotite. Localized pegmatite intervals and sillimanite.	10	0	2	Tr
5.4	11.8	Altered Felsic Gneiss (S)	Grey, and white	Coarse Grained	Weakly Foliated	Unit is locally leached and vuggy. Sericitically and siliceously altered felsic gneiss. Medium grained blebby and clotty pyrite and fine grained disseminated pyrrhotite.	15	0	2	1
11.8	14.2	Pegmatite	Grey, and white			Granitic pegmatite with medium-coarse grained blebby and clotty pyrite-pyrrhotite with localized fine disseminated crystals. Localized felsic gneiss selvages.	5	0	2	1
14.2	27.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Siliceously, sericitically and potassically altered felsic gneiss. 3-4% medium grained blebby pyrite and fine-medium grained pyrrhotite	5	0	3	1
27.0	31.0	Pegmatite	Green, orange and			Intermixed granitic pegmatite and altered felsic gneiss. 2% medium grained patchy-blebby pyrite. Localized medium bands of blebby pyrite.	2	0	2	Tr
31.0	50.5	Altered Biotite Felsic Gneiss	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Sericitically and potassically altered felsic gneiss with localized leached sections, vugs, pegmatite clots, and sillimanite. 3-4% medium-coarse grained clots and blebs of pyrite-pyrrhotite..	5	0	2	2
50.5	52.2	Pegmatite	Green, orange and			Granitic pegmatite with a 15cm felsic gneiss selvedge with coarse graubed blebs of pyrite.	2	0	1	Tr
52.2	87.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Patchy medium grained pyrite and fine grained disseminated pyrrhotite. 60.6-61.4m - Fine grained amphibolite interlayer. Localized quartz veins and spider veinlets with sericite and potassic alteration. Slight increase in sulfides at margins of veins.	60	10	1	1
87.6	90.1	Pegmatite	Green, orange and			Granitic pegmatite. Trace patchy pyrite. Coarse grained booklets of biotite.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
90.1	92.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized quartz clots and pegmatite intervals. >1% fine grained disseminated sulfides.	10	0	1	Tr
92.7	97.8	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Moderately Well Foliated	Coarse grained quartz pebble with coarse plagioclase. >1% sulfides. Localized vugs and sections of broken core.	10	0	Tr	Tr
97.8	100.6	Felsic Gneiss (S)		Fine-medium	Well Foliated	Localized spider veinlets and pegmatite intervals. 1% sulfides over with patchy sections of 1-2%.	10	0	1	Tr
100.6	102.6	Pegmatite	Green, orange and			Barren granitic pegmatite.	5	0	Tr	Tr
102.6	107.8	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Localized quartz clots and thin bands of blebby pyrite.	10	0	2	Tr
107.8	109.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	1-2% patchy fine grained disseminated pyrite.	10	0	1-2	Tr
109.9	116.0	Felsic Gneiss (QP)	Grey, and white	Fine-medium	Weakly Foliated	Quartz pebble felsic gneiss with numerous spider veinlets. 1% sporadic fine disseminated sulfides.	10	0	1	Tr
116.0	117.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets. Patchy pyrite.	10-15	0	Tr-1	Tr
117.5	119.4	Pegmatite	Green, orange and			5% felsic gneiss gneiss selvages. Tr-1% fine grained blebby pyrite.	1	0	Tr	Tr
119.4	122.8	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized spider veinlets with sericite alteration. 1% fine grained disseminated pyrite.	10-15	0	1	Tr
122.8	127.8	Pegmatite	Green, orange and			Granitic pegmatite with felsic gneiss selvages.	2	0	Tr	Tr
127.8	132.5	Felsic Gneiss (S)	Grey, and white	Medium-coarse	Well Foliated	Localized pegmatite intervals.	10-15	0	1	Tr
132.5	133.8	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated		5	0	Tr	Tr
133.8	139.0	Pegmatite	Green, orange and				5		Tr	Tr
139.0	155.0	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Localized chlorite alteration patches, and medium grained blebby pyrrhotite. 155m is the end of the hole.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 457	Bearing of Hole from true North 205	Total Depth (m) 221	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 29/05/2011	Date Completed 31/05/2011	Date Logged May 29-31 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330700
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303474
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	11.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Felsic gneiss with trace sulfides, intermixed pegmatite (7.4m-10.4m), and localized spider veinlets.	5	0	Tr	Tr
11.1	12.7	Biotite Felsic Gneiss	Black	Medium Grained	Weakly Foliated	Unit is leached and vuggy. Trace sulfides.	80	0	Tr	Tr
12.7	17.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets with sericite and potassic alteration haloes. 1% fine-medium grained pyrite with localized patches of 1-2%.	10	0	1	Tr
17.6	19.0	Pegmatite	Grey, and white			Intermixed felsic gneiss selvages (30%).	5	0	1	Tr
19.0	28.2	Felsic Gneiss (S)	Grey	Medium grained	Moderately well Foliated	Same as previous	5	0	Tr	Tr
28.2	35.5	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	granitic felsic gneiss with localized sericite alteration, pegmatite intervals. 32.7m- 1x4 cm pyrite bleb.	5	0	1	Tr
35.5	38.3	UMLAMP Dike	Black							
38.3	39.5	Altered Felsic Gneiss (S)	Grey	Fine Grained	Weakly Foliated	Felsic gneiss altered by intruding UMLAMP dike.	1	0	Tr	Tr
39.5	43.3	UMLAMP Dike								
43.3	45.0	Altered Felsic Gneiss (S)				Potassically and sericitically altered felsic. 1% fine grained pyrite.	2	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
45.0	54.6	Biotite Felsic Gneiss	Black	Medium-coarse	Moderately Well Foliated	Localized intervals of pegmatite. Blebby and disseminated fine-medium grained pyrite-pyrrhotite.	75	Tr	2	1
54.6	73.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized quartz and pegmatite clots, and spider veinlets. Biotite content slightly variable over coarse of the unit.	60	10	3	1
73.4	79.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized pegmatite and spider veinlets.	5	0	1	Tr
79.1	83.3	Diorite	Grey and white	Medium Grained	Weakly Foliated	Same as previous.	30	0	1	Tr
83.3	98.5	Felsic Gneiss (C)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Conglomeratic felsic gneiss with interlayers of amphibole felsic gneiss (94-94.9m), and pegmatite. Localized sericite alteration.	10	0	2	1
98.5	114.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized sericite and potassic alteration.	60	7	1	1
114.7	116.0	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Localized spider veinlets with potassicalteration.	45	0	1	Tr
116.0	119.5	Felsic Gneiss (QP)	Grey, and white	Medium-coarse	Weakly Foliated	Localized pegmatite intervals and spider veinlets.	10	0	1	Tr
119.5	127.9	Felsic Gneiss (C)	Grey, and white	Coarse Grained	Moderately Well Foliated	Conglomeratic felsic gneiss with 10% elongated quartz clasts.	10	0	1	Tr
127.9	136.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated		5	0	Tr	Tr
136.1	139.4	UMLAMP Dike	Black	Fine-medium	Massive					
139.4	144.5	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Mixed unit with felsic gneiss (s), (g), and (qp). Localized alteration, quartz veins.	10	0	1	Tr
144.5	146.2	Pegmatite	Green, orange and			Granitic pegmatite with trace sulfides,	1	0	Tr	Tr
146.2	153.5	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Localized spider veinlets.	5	0	1	Tr
153.5	156.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Abundant fine grained blue mineral within the matrix, aligned to the foliation and surrounding garnet and biotite. Possibly blue chlorite or cordierite. Localized sericite alteration.	50	0	Tr-1	Tr-1
156.9	159.8	Pegmatite	Green, orange and			Granitic pegmatite with felsic gneiss selvages.	5	0	Tr	Tr
159.8	163.0	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Abundant spider veinlets.	10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
163.0	165.7	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated		5	10	Tr	1
165.7	175.0	UMLAMP Dike								
175.0	175.9	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Chlorite altered garnet biotite felsic gneiss.	40	5	Tr	1
175.9	177.6	UMLAMP Dike	Black		Massive					
177.6	179.2	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous.	40	5	Tr	1
179.2	184.9	UMLAMP Dike								
184.9	195.5	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Pervasive alteration of amphibolite from fluids coming from intruding UMLAMP dike.	5	10	Tr	Tr
195.5	202.3	UMLAMP Dike								
202.3	214.2	Amphibolite	Dark\Light green and	Medium Grained	Moderately well-well	Mixed zone of amphibolite, altered amphibolite, pegmatite, and altered felsic gneiss. 211m fine grained blue mineral associated with k-feldspar in pegmatite and carbonate.	5	5	Tr	1
214.2	217.8	UMLAMP Dike	Black							
217.8	221.2	Amphibolite	Dark\Light Green	Medium Grained	Weakly Foliated	Same as previous. 221.2 is the end the hole	5	1	Tr	Tr-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 164	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 30/05/2011	Date Completed 31/05/2011	Date Logged May 30-31 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330160
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303722
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	11.2	Altered Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Granitic felsic gneiss with pervasive potassic and seritic alteration. 15% host rock remaining in localized sections. 1% fine grained disseminated pyrite in patchy sections.	2	0	1	Tr
11.2	13.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Granitic felsic gneiss with spider veinlets and interlayers of biotite felsic gneiss. Sulfides associated with the biotite rich sections.	5	0	1	0
13.9	15.9	Biotite Felsic Gneiss	Black	Medium-coarse	Moderately Well Foliated	Localized pegmatite clots. 2-3% fine-medium grained blebby pyrrhotite and fine grained disseminated pyrite.	60	0	1	2
15.9	24.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Granitic felsic with intermixed brecciated zones, UMLAMP dike at 17-17.4m, 20.2-20.5m. 1% fine-medium grained blebby pyrrhotite.	5	0	Tr	1
24.8	55.0	Diabase Dike	Black			Intrusions of UMLAMP dike within the diabase dike.				
55.0	60.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss with localized siliceous and potassic alteration. 2-3% blebby-net textured medium grained pyrite-pyrrhotite.	5	0	1-2	1-2
60.7	68.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous.	60	5	1	1
68.0	69.2	Pegmatite	Green, orange and			Granitic pegmatite with biotite felsic gneiss selvages with coarse grained pyrite blebs at the margin of the selvages.	5	0	1	Tr
69.2	71.2	Biotite Felsic Gneiss	Light Grey	Coarse Grained	Moderately Well Foliated	Intermixed quartz and pegmatite clots. Sulfides associated with biotite abd at the margins of quartz/pegmatite intervals.	45	0	2	1
71.2	75.9	Felsic Gneiss (G)	Variable Grey	Coarse Grained	Moderately Well Foliated	Intermixed pegmatite and 1-2% patchy disseminated and blebby sulfides.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
75.9	104.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately well-well	Intermixed quartz clots, localized spider veinlets. Medium grained "bundles" of fine grained sillimanite. 1-2% patchy disseminated pyrrhotite and pyrite.	65	10	1	1
104.7	106.3	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite with sulfides at their margin. 1% fine grained disseminated pyrite.	15	0	1	Tr
106.3	108.9	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Weakly Foliated	Broken\blocky core.	10	0	1	Tr
108.9	133.9	Felsic Gneiss (S)	Grey, and white	Fine-medium	Moderately Well Foliated	Localized quartz clots, spider veinlets. Patchy blebby pyrite.	5	0	1	Tr
133.9	138.6	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized quartz clots.	5	0	1	Tr
138.6	140.9	Diabase Dike	Black	Fine Grained	Massive					
140.9	148.9	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized quartz clots quartz.	5	0	1	Tr
148.9	151.8	Pegmatite	Green, orange and			Granitic pegmatite, Tr-1% fine grained disseminated.	1	0	1	Tr
151.8	164.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated		5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 456	Bearing of Hole from true North 205	Total Depth (m) 215	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 31/05/2011	Date Completed 01/06/2011	Date Logged May 31-June1 201	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330757
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303481
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	7.6	Diorite	Grey, and white	Medium Grained	Weakly Foliated	Localized quartz clots, leaching and vugs.	30	0	1	Tr
7.6	13.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets quartz clots, vugs. 1-2% patchy fine grained blebby pyrite.	5	0	1-2	Tr
13.9	23.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss with coarse grained feldspar, quartz, muscovite and localized biotite. 1% fine-medium grained blebby pyrite that is patchy.	5	0	1	Tr
23.1	30.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	1	Tr
30.3	39.3	Diorite	Grey, and white	Medium Grained	Massive	Localized spider veinlets with seritic and potassic alteration.	30	0	1-2	Tr
39.3	51.2	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Localized pegmatite intervals, spider veinlets, vugs with epidote crystals. 1-2% fined grained sulfides associated with biotite.	5	0	1	1
51.2	66.5	Felsic Gneiss (G)	Green, orange and	Medium-coarse	Moderately Well Foliated	Localized pegmatite intervals, spider veinlets, vugs with epidote crystals. 1-2% fined grained sulfides associated with biotite.	5	0	1	1
66.5	71.1	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, vugs and patchy medium grained blebby pyrite.	10		1-2	Tr
71.1	81.6	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly Foliated	Silica flooded felsic gneiss, spider veinlets, with localized vugs. 1-2% fine grained disseminated pyrite.	1	0	1-2	Tr
81.6	87.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets with sericite alteration. 1-2% fined grained disseminated and patchy pyrite.	5	0	1-2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
87.1	97.8	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Felsic gneiss with localized spider venlets quartz clots. 1-2% disseminated-patchy fine grained disseminated pyrite.	10	0	1-2	Tr
97.8	103.2	Biotite Felsic Gneiss	Grey and black	Fine-medium	Well Foliated	Fine-medium grained blebby, streaky, and disseminated pyrite. Localized pegmatite interlayers.	60	0	2	1
103.2	105.1	Pegmatite	Green, orange and			Trace sulfides associated with biotitegneiss selvages.	5	0	Tr-1	Tr
105.1	112.7	Biotite Felsic Gneiss		Fine Grained		Same as previous.	65	0	2	1
112.7	117.7	Felsic Gneiss (S)	Grey, and white	Medium Grained	Well Foliated	Localized spider veinlets.	10	0	1	Tr
117.7	118.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Fine grained streaky, and disseminated pyrite-pyrrhotite.	60	2	2	1
118.6	123.3	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Localized pegmatite and quartz intervals, coarse grained clots of pyrite.	10	0	1	Tr
123.3	132.3	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized pegmatite intervals, with coarse grained pyrite associated with the pegmatites.	5	Tr	1	Tr
132.3	139.9	Felsic Gneiss (C)	Variable Grey	Medium-coarse	Banded	Conglomeratic felsic gneiss with 10% coarse grained quartz clasts. Intermixed pegmatite, spider veinlets, and sericite and potassic alteration.	10	0	1	Tr
139.9	144.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed pegmatite, quartz clots. 3-4% coarse grained blebby\net-textured pyrite-pyrrhotite and localized veins.	5	0	2	2
144.2	162.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localuzed spider veinlets. 1% fine grained sporadic disseminated pyrite.	60	15	1	Tr
162.8	166.4	Felsic Gneiss (QP)	Grey, and white	Medium-coarse	Weakly Foliated	Localized quartz clots, and spider veinlets. Slight increase in sulfides along margins of spider veinlets.	10	0	1	Tr
166.4	183.4	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Mixed unit with variable grain size and biotite content across unit. Intermixed quartz clots, spider veinlets and pegmatite intervals. 1% fine grained disseminated and sporadic pyrite.	15	0	1	Tr
183.4	188.7	Felsic Gneiss (QP)	Grey, and white	Coarse Grained	Moderately Well Foliated	Sporadic pyrreand spider veinlets.	10	0	Tr-1	Tr
188.7	190.0	Pegmatite	Green, orange and			Granitic pegmatite with interlayers of amphibolite.	10	0	Tr	1
190.0	191.1	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized sericite alreration.	5	2	Tr	1
191.1	192.1	Felsic Gneiss (S)	Green	Medium Grained	Moderately Well Foliated		5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
192.1	215.0	Amphibolite	Dark\Light green and	Fine Grained	Weakly Foliated	Medium-coarse grained garnet porphyroblasts. Localized spider veinlets. 215m is the end of the hole.	5	20	Tr	Tr-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 180	Total Depth (m) 167	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 01/06/2011	Date Completed 02/06/2011	Date Logged June 1-2 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330094
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303758
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.5	Casing								
4.5	16.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Localized pegmatite interlayers, spider veinlets and sections of 2-3% sulfides. Localized parasitic folding, sulfides forming along fold limbs and hinges.	65	5-10	1	2
16.7	25.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Granitic felsic gneiss comprised of coarse grained quartz, feldspar, muscovite, and biotite. Localized spider veinlets. 1% fine grained disseminated pyrite-pyrrhotite.	2	0	1	Tr
25.3	26.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Intermixed granitic felsic gneiss, 1% pyrrhotite-pyrite as fine grained disseminated crystals. 26.3m- quartz\pegmatite clot with 1 cm bleb of pyrrhotite.	60	10	1	1
26.5	28.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Intermixed garnet biotite felsic gneiss interlayers. Localized coarse grained blebs of pyrite-pyrrhotite.	5	Tr	1	Tr
28.5	37.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermixed with granitic felsic gneiss, and quartz clots. Sulfides occurs as disseminated, streaky, and blebby crystals.	60	7	1	2
37.2	40.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Sulfides associated biotite and garnet crystals along the foliation plane.	5	1	1	Tr
40.7	47.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Intermixed granitic felsic gneiss.	60	5	1	1
47.2	63.9	Felsic Gneiss (G)	Variable Grey	Coarse Grained	Weakly Foliated	Coarse grained blebby, streaky, and veins in localized sections.	5	0	2	2
63.9	66.0	Felsic Gneiss (S)	Grey, and white	Medium Grained	Weakly Foliated	Localized vuggy sections.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
66.0	84.8	Felsic Gneiss (G)	Variable Grey	Coarse Grained	Weakly Foliated	Intermixed garnet biotite felsic (altered, silica flooded), and pegmatite intervals. 3-4% blebby, clotty, and net-textured pyrite-pyrrhotite. Sulfides are less abundant near lower contact.	10	Tr	2	2
84.8	101.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Well Foliated	Localized spider veinlets with sericite alteration. Sporadic sulfides.	65	10	1	Tr
101.9	102.6	Quartz Vein	White	Coarse Grained	Massive	Barren quartz vein.	1	0	Tr	Tr
102.6	103.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized pegmatite intervals and spider veinlets.	60	10	1	Tr
103.7	120.2	Felsic Gneiss (S)	Grey, and white	Fine-medium	Well Foliated	Localized pegmatite intervals and potassic and sericite alteration. Sporadic disseminated-streaky pyrite.	5	0	1	Tr
120.2	150.6	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Localized spider veinlets, UMLAMP Dikes, pegmatites, and quartz-carbonate veinlets.	5-10	0	1	Tr
150.6	153.8	Pegmatite	Grey, white, and pink			Sporadic pyrrhotite blebs.	5	0	Tr	1
153.8	167.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized spider veinlets. 167mis the end of the hole.	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 456	Bearing of Hole from true North 205	Total Depth (m) 228	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 02/06/2011	Date Completed 04/06/2011	Date Logged June 2-4 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330757
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303481
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	11.4	Diorite	Grey, and white	Medium Grained	Massive	Localized spider veinlets, sections of broken core, and vugs.	30	0	Tr-1	Tr
11.4	19.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, quartz clots, and pegmatite clots. Locally 1-2% pyrite.	15	0	1	Tr
19.5	26.0	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated		5	0	1	Tr
26.0	60.3	Biotite Felsic Gneiss	Variable Grey	Medium Grained	Moderately Well Foliated	thick unit of weakly mineralized felsic biotite gneiss; minor intermixed pegmatite (<2%); minor potassic altered zones (<2%); minor qtz veining (<1%)	25	0	1	tr
60.3	63.8	Diorite	Dark Grey	Coarse Grained	Weakly Foliated	massive to weakly foliated groundmass containing subrounded to angular, subhedral plag crystals in a biotite-rich matrix; weakly mineralized	40	0	1	tr
63.8	67.3	Biotite Felsic Gneiss	Grey	Medium Grained	Weakly-moderately	same as previous; 70cm interval of pegmatite @ 64.7-65.4m	25	0	1	tr
67.3	70.7	Felsic Gneiss (S)	Grey, and white	Medium-coarse	Weakly-moderately	minor pegmatite (<2%)	10	0	<1	tr
70.7	71.3	Diorite	Black	Medium-coarse	Weakly Foliated	sap; possibility of biotite gneiss with plag fragments?	50	0	1	tr
71.3	74.0	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	minor qtz-cc veining with intense alteration haloes	35	0	1-2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
74.0	83.8	Diorite	Dark Grey	Medium-coarse grained	Weakly-moderately Well Foliated	same as previous; possible metasediment (qtz pebble with biotite-rich matrix); interval contains three altered zones with same pyrite mineralization as unaltered, each less than 1m wide	50	<1	1-2	1
83.8	86.7	Altered Biotite Felsic Gneiss	Dark\Light green and	Fine-medium	Brecciated	pervasively altered felsic gneiss containing thin qtz-cc veins throughout	<5	0	<1	<1
86.7	93.2	Felsic Gneiss (C)	Light Grey	Coarse Grained	Weakly Foliated	50cm qtz vein @ 92m; locally blebby py; intensely altered lower contact with ultramafic dyke	10	0	1	tr
93.2	120.0	Diabase Dike	Grey and black	Very Fine Grained	Porphyritic	intermixing of thin (10-40cm) lamprophyre dykes in lower 10m	0	0	0	0
120.0	128.2	K-Altered Felsic Gneiss (S)	Grey, black and pink	Medium-coarse grained	Moderately Well Foliated	interval contains intermixed zones of bt fel gneiss. Bt zones contain 2-3% py. Bt at 121.7-123, 126.7-127.2. from 124.5-125 contains coarse sillimanite patches (fibrous bundles). Minor (<2%) qz pegmatite patches containing coarse blebby py.	20	1	1-2	tr
128.2	130.0	Garnet Biotite Felsic Gneiss	Grey and black	Medium-coarse	Moderately Well Foliated	intermixed layer of felsic gneiss (128.8-129). Minor (<2%) qz pegmatites containing coarse blebby py.	35	2	2	1
130.0	137.2	Felsic Gneiss (S)	Grey and black	Medium-coarse	Weakly Foliated	potassic alteration in 1st meter of zone. Banded felsic gneiss from 132.7-135.4m; 30cm pegmatite @ 134m	10	0	<1	1
137.2	138.3	Pegmatite	Green, orange and	Very Coarse Grained	Massive		<5	0	<1	
138.3	141.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	interval contains biotite felsic gneiss from 140.3-141.1m (1% py-po)	<10	<1	<1	
141.1	143.4	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	sillimanite-k spar zone from 142-142.6m	<5	0	<1	
143.4	147.1	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	weak potassic alteration	<5	0	<1	
147.1	156.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Patchy sericite and potassic alteration (149.7-152.7m). Localized coarse grained clots of pyrite.	5	0	1	1
156.5	164.0	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Sporadic alteration, and intermixed quartz pebble layers (10-15 cm).	30	7	1	1
164.0	166.8	Pegmatite	Green, orange and			Granitic pegmatite, with felsic gneiss selvages. Sporadic pyrite.	5	0	1	Tr
166.8	168.3	Felsic Gneiss (C)	Grey and green	Coarse Grained	Moderately Well Foliated	Elongated quartz clasts, and chlorite alteration of the biotite.	3	0	Tr-1	Tr
168.3	176.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized spider veinlets and pegmatite intervals, and quartz pebble felsic gneiss interlayers.	10	0	1	Tr
176.7	181.6	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	10	0	Tr-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
181.6	189.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Localized spider veinlets with sericite alteration, and quartz clots.	5	0	1	Tr
189.4	190.6	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	Tr-1	Tr
190.6	200.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Same as previous.	5	0	1	Tr
200.4	201.4	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated		5	10	Tr	1
201.4	203.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	Tr	Tr
203.0	227.8	Amphibolite	Dark\Light Green	Medium Grained	Moderately Well Foliated	Same as previous.	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 167	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 03/06/2011	Date Completed 04/06/2011	Date Logged June 3-4 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329988 Northing 5303792 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	22.0	Casing								
22.0	26.4	Garnet Biotite Felsic Gneiss	Black and white	Medium-coarse	Moderately Well Foliated	meter thick zones with chlorite alteration.	40	10	1	1
26.4	30.1	Altered Garnet Biotite Felsic Gneiss	Variable Grey	Medium-coarse	Moderately Well Foliated	less sulphides than gt bt gneiss. Intermixed zones of gt bt gneiss.	10	5	1	1
30.1	40.6	Garnet Biotite Felsic Gneiss	Grey and black	Medium-coarse grained	Moderately Well Foliated	unit contains zones of felsic gneiss (S) containing 1% py at 31.1-31.4, 33.8-34.2, 35.2-35.3, 39.8-40.2. unit contains zone of 2 mica granite containing few sulphides at 32-32.7. unit contains bands of garnet locally (10cm) up to 60%.	40	15	1-2	tr
40.6	42.0	Felsic Gneiss (S)	Black and white	Medium-coarse grained	Moderately Well Foliated	gt located in thin (1cm) bands. Zone of 2 mica granite containing few sulphides at 41.4-41.7. minor qz pegmatite containing coarse py at 41.9-42. minor veinlets of potassic alteration.	15	1	1	tr
42.0	48.7	Garnet Biotite Felsic Gneiss	Grey and black	Medium-coarse grained	Moderately Well Foliated	unit contains zones of felsic gneiss (S) at 44.8-45.0, 45.8-46.3. unit contains a zone of 2 mica granite at 46.7-47.0. 2 mica granite contains few sulphides. Unit contains local pegmatites with coarse blebby py at 46.3 and 46.7.	30	2-3	1	1
48.7	52.7	Felsic Gneiss (S)	Black and white	Medium-coarse	Moderately Well Foliated	unit contains 2 mica granite at 49.5-50.0, 51.5-52.4 which contain few sulphides. Unit contains local pegmatites at 49.5-49.7, 51.4-51.5 containing coarse blebby py.	10	1	<1	tr
52.7	59.2	Garnet Biotite Felsic Gneiss	Grey and black	Medium-coarse	Moderately Well Foliated	Localized pegmatite clots.	40	2-3	1	2
59.2	67.5	Diorite	Grey, white, and pink	Medium Grained	Weakly-moderately	Localized quartz and pegmatite clots, broken core zones.	30	0	Tr-1	Tr
67.5	69.1	Pegmatite	Grey, black and pink				20	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
69.1	70.9	Diorite	Grey, white, and pink	Medium Grained	Weakly-moderately	Same as previous.	30	0	Tr-1	Tr
70.9	72.2	Pegmatite	Green, orange and			Intermixed felsic gneiss selvages associated with increased sulfides.			1	Tr
72.2	75.1	Biotite Felsic Gneiss	Black	Very Fine Grained	Well Foliated	1% overall pyrite-pyrrhotite with 1-2% locally. Localized vugs, and sections.	50	Tr-1	1	Tr-1
75.1	79.7	Pegmatite	Grey, black and pink			Pegmatite with 20% felsic gneiss selvages. Sulfides are associated with selvages.	15	0	1	Tr
79.7	81.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
81.2	85.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Intermixed quartz clots.	5	0	2	1
85.5	87.5	Altered Garnet Biotite Felsic Gneiss	Variable Grey	Medium-coarse	Moderately Well Foliated	1% overall sulfides with 1-2% locally.	30	7	1	1
87.5	89.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	1% sulfides overall with localized zones of 1-2%.	60	10	1	1
89.2	90.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
90.6	104.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous.	60	10	1	1
104.1	106.3	Pegmatite	Green, orange and				5		Tr	Tr
106.3	125.0	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Patchy medium grained blebby pyrite. Localized pegmatite and quartz intervals.	5	0	1	Tr
125.0	142.9	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Intermixed quartz pebble felsic gneiss. Zones of chlorite alteration.	25	0	1	Tr
142.9	146.0	Amphibolite	Dark Green	Medium-coarse	Moderately Well Foliated	intermixed zone of qz pebble gneiss at 144.1-144.6. coarse sulphides near bottom contact.	5	2	tr-<1	tr
146.0	149.9	Felsic Gneiss (S)	Grey and black	Fine-medium	Moderately Well Foliated	intermixed patches of pegmatite and felsic gneiss from 147.9-148.8.	10	0	tr-<1	<1
149.9	167.0	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	sulphides form in disseminated and/or streaky zones. Zones of coarse gt throughout unit. EOH	5	5	tr	<1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 180	Total Depth (m) 152	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 05/06/2011	Date Completed 06/06/2011	Date Logged June 5-6 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329883
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303809
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	19.2	Casing								
19.2	20.3	Felsic Gneiss (S)	Dark green, black and	Fine-medium	Moderately Well Foliated	Chlorite altered garnet biotite felsic gneiss. 1% fine grained disseminated pyrrhotite-pyrite.	55	2-5	1	1
20.3	22.4	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Localized quartz clots spider veinlets. Patchy-sporadic pyrite.	5	0	>1-1	Tr
22.4	28.5	Felsic Gneiss (G)	Light Grey	Coarse Grained	Weakly-moderately	Localized quartz clots, chlorite alteration. Sporadic-patchy sulfides.	2	0	>1-1	Tr
28.5	30.3	Altered Biotite Felsic Gneiss	Grey and green	Medium Grained	Moderately Well Foliated	Chlorite altered felsic gneiss.	30	Tr	>1	Tr
30.3	31.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Patchy medium grained blebby pyrrhotite-pyrite.	55	5	>1-1	1
31.7	32.9	UMLAMP Dike	White and black							
32.9	36.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized quartz-carbonate veins.	55	5	1	1
36.6	49.9	Amphibolite	Black	Fine Grained	Well Foliated	Localized UMLAMP dikes (30-50 cm) sub-parallel to parallel to core axis.	5	0	1	2
49.9	54.1	Felsic Gneiss (C)	Dark\Light Green	Coarse Grained	Moderately Well Foliated	Localized chlorite alteration. 10% coarse grained quartz clots elongated in the S1 direction.	15	0	>1-1	3
54.1	55.3	Pegmatite	Green, orange and			Barren granitic pegmatite.	1	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
55.3	57.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized sericite alteration.	55	5	1	1
57.4	59.2	UMLAMP Dike								
59.2	62.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermixed pegmatite and granitic felsic gneiss.	60	5	2	Tr
62.3	63.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Interlayer between garnet biotite felsic gneisses.	5	0	>1	Tr
63.2	66.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Intermixed pegmatite.	65	5	2	1
66.1	68.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Same as previous. 67.5-68.2m - Pegmatite	5	0	Tr	Tr
68.2	73.8	Diorite	Grey, and white	Medium Grained	Weakly Foliated	Localized spider veinlets. Localized UMLAMP dikes.	10	0	>1-1	Tr
73.8	82.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Localized quartz clots.	65	5	2	1
82.0	95.4	Felsic Gneiss (C)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	15% quartz clasts elongated in S1 direction.	10	0	1	1
95.4	99.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized pegmatite.	65	5	1	Tr
99.0	129.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, pegmatite intervals.	10	0	Tr	Tr
129.8	136.0	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Localized spider veinlets, and pegmatite intervals.	10	0	Tr	Tr
136.0	152.0	Amphibolite	Dark green, black and	Fine-medium	Moderately Well Foliated	Variable garnet content and size. 152m is the end of the hole.	5	5	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 221	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 04/06/2011	Date Completed 06/06/2011	Date Logged June 4-6 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330855
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303440
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.9	Casing								
3.9	6.4	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	sulphide found in disseminated patches. Intermixed diorite from 4.5-4.9.	20	0	<1-1	tr
6.4	15.7	Diorite	Grey, black and pink	Medium-coarse	Weakly Foliated	local zones of pegmatite. Pervasive spider veinlets of qz with potassic alteration.	30	0	<1	tr
15.7	18.7	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	pervasive potassic and sericitic alteration throughout unit. No visible increase in sulphide content in alteration zones. Py dominantly fine grained disseminated with local medium grained blebs. Pegmatite zone at 18.1-18.7.	5	0	<1-1	tr
18.7	20.7	Felsic Gneiss (S)	Grey and green	Medium Grained	Moderately Well Foliated	minor chlorite alteration. localized leached vuggy zones, pegmatite intervals.	20	0	tr	tr
20.7	40.6	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	pervasive qz spider vienlets with potassic and sericitic alteration zones. Minor pegmatite zones.	5	0	<1	tr
40.6	42.6	Altered Biotite Felsic Gneiss	Grey and green	Medium Grained	Moderately Well Foliated	leached vuggy texture throughout unit. Minor chlorite alteration.	30	tr	tr	tr
42.6	61.9	Felsic Gneiss (S)	Grey, and white	Fine-medium grained	Moderately Well Foliated	increased section of bt (10%) and py (1%) at 47-48. local zones of medium grained blebby py. Localized pegmatite zones with coarse blebby py. Local zones of potassic and sericitic alteration around spider veinlets.	5	0	<1-1	tr
61.9	73.2	Diorite	Grey and white	Medium Grained	Weakly Foliated	Localized spider veinlets with potassic and sericitic alteration.	30	0	tr	tr
73.2	85.5	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly Foliated	Localized spider veinlets with sericitic, and potassic alteration haloes. Fine-medium grained patchy and disseminated pyrite, with localized coarse grained clots of pyrite.	5-10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.5	87.7	Pegmatite	Grey			Intermixed pegmatite and granitic felsic gneiss. Patchy pyrite.	5	0	>1-1	Tr
87.7	91.4	Diorite	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets and pegmatite intervals.	5	0	1	Tr
91.4	100.0	Diorite	Grey, and white	Medium Grained	Weakly Foliated	Localized spider veinlets and potassic alteration.	30	0	>1	Tr
100.0	103.4	Biotite Felsic Gneiss	White and black	Medium Grained	Well Foliated	Patchy fine-medium grained blebby, streaky, and disseminated pyrite-pyrrhotite.	65	Tr	1	1
103.4	112.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Localized spider veinlets and fine grained cordierite in the matrix associated with garnet biotite felsic gneiss.	65	7	1	1
112.4	113.7	Pegmatite	Green, orange and			Localized felsic gneiss selvages with 1% streaky fine grained pyrite within the selvages.	2	0	1	Tr
113.7	116.0	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Localized quartz clots, sericite alteration, and potassic alteration.	5	0	1	Tr
116.0	117.6	Felsic Gneiss (G)	Green, orange and	Medium-coarse	Weakly Foliated	Abundant sericite and potassic alteration.	2	0	>1	Tr
117.6	119.4	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Spider veinlets, intermixed granitic felsic gneiss.	2	0	Tr	Tr
119.4	121.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Localized quartz clots, potassic alteration. Patchy sillimanite.	5	0	Tr	Tr
121.1	122.5	Felsic Gneiss (S)		Medium Grained	Weakly Foliated	Pervasive sericite-potassic alteration.	1	0	Tr	Tr
122.5	123.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Localized quartz clots, sillimanite, and potassic alteration.	2	0	Tr	Tr
123.7	124.6	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized sericite and potassic alteration.	2	0	Tr	Tr
124.6	130.1	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy sillimanite, and muscovite.	2	0	1	Tr
130.1	132.9	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Moderately Well Foliated	Intermixed pegmatite, sericite and potassic alteration and interlayers of porphyroblastic amphibole felsic gneiss. Localized coarse grained blebs of pyrrhotite.	5	0	Tr	1
132.9	135.8	Felsic Gneiss (C)	Grey, and white	Coarse Grained	Moderately Well Foliated	10% quartz clasts elongated in the S1 direction.	15	Tr	1-2	Tr
135.8	138.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Localized pegmatite intervals.	2	2	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
138.4	141.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized quartz clots and coarse grained clots of pyrite.	60	5	2	1
141.1	144.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Medium-coarse patchy blebby pyrite-pyrrhotite. Localized sericite alteration, and pegmatite intervals.	5	0	2	1
144.2	148.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Medium-coarse grained blebby, 1 cm veins, and streaks of pyrite and medium grained blebby pyrrhotite. Localized pegmatite intervals.	5	0	3	1
148.6	152.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained		Patchy sulfides.	65	10	1	Tr
152.8	155.1	Pegmatite	Green, orange and			Granitic pegmatite with felsic gneiss selvages.	5	0	Tr	Tr
155.1	156.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Unit is slightly more siliceous.	50	5	1	Tr
156.1	159.7	Diorite	Grey, and white	Medium-coarse	Weakly Foliated	Localized spider veinlets.	30	0	Tr	Tr
159.7	160.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous. Same as previous.	50	5	1	Tr
160.8	169.7	Diorite	Grey, and white	Medium Grained	Weakly Foliated	Localized spider veinlets.	30	0	1	Tr
169.7	173.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy medium grained blebby and net-textured pyrite-pyrrhotite. Localized pegmatite.	5	0	1	1
173.2	182.0	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized pegmatite intervals, spider veinlets. Patchy coarse grained "bundles" of fine grained sillimanite.	10	0	1	Tr
182.0	188.8	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed pegmatite intervals. 1% sulfides overall with localized zones of 1-2%.	15	0	1	>1-1
188.8	199.0	Amphibolite	Dark\Light green and	Coarse Grained	Moderately Well Foliated	Large garnet porphyroblasts.	5	5	Tr	>1-1
199.0	200.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Coarse grained garnet porphyroblasts.	60	10	Tr	Tr
200.6	221.0	Amphibolite	Dark green, black and	Fine Grained	Moderately Well Foliated	Same as previous. 221m is the end of the hole.	5	7	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 215	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06/06/2011	Date Completed 07/06/2011	Date Logged June 6-8 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330855
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303440
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	7.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets and leached and vuggy zones.	15	0	>1-1	Tr
7.0	16.9	Diorite	Grey, black and pink	Medium Grained	Weakly Foliated	Localized spider veinlets, leached zones, 1 cm vugs.	30	0	>1-1	Tr
16.9	18.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	15		>1-1	Tr
18.5	23.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Sporadic sulfides and spider veinlets.	5	0	>1	>1
23.5	47.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	28.2-28.8m - pervasive sericitic and potassic alteration. Patchy-sporadic sulfides. Localized quartz veins, and spider veinlets.	5-10	0	>1-1	Tr
47.2	69.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized spider veinlets with sericite alteration.	5		1	Tr
69.9	72.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized vugs, and quartz clots.	25	0	1	Tr
72.5	76.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets, and vugs.	5	0	1	Tr
76.7	84.0	Altered Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Leached and vuggy altered biotite felsic gneiss. Localized epidote crystals.	45	0	Tr	Tr
84.0	101.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy pyrite blebs, localized spider veinlets and quartz clots.	2-5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
101.0	121.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized chlorite alteration, coarse grained clots of pyrite and zones of 1-2%. 120.6-121m - Pegmatite.	10	Tr	1	Tr
121.0	128.4	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Localized pegmatite intervals spider veinlets.	15	0	1-2	Tr
128.4	129.3	Pegmatite	Green, orange and				1	0	>1	>1
129.3	134.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized quartz veinlets, chlorite-potassic alteration.	10	0	>1	Tr
134.3	136.1	Biotite Felsic Gneiss				Localized pegmatite intervals.	60	Tr	2	1
136.1	139.1	Felsic Gneiss (S)	Light Grey	Fine-medium	Weakly Foliated	Localized quartz clots, with coarse grained clots of sulfides.	2	0	>1	1
139.1	141.9	Felsic Gneiss (C)	Grey and green	Coarse Grained	Moderately Well Foliated	Localized chlorite alteration, and interlayers of porphyroblastic amphibole felsic gneiss.	10	1	1-2	Tr
141.9	144.8	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Localized pegmatite intervals.	5	0	>1-1	>1-1
144.8	146.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Localized quartz clots.	55	5	1	1
146.7	148.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Patchy garnet porphyroblasts and localized pegmatite intervals.	5	2	Tr	Tr
148.7	151.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Parasitic folding well defined by biotite. Localized quartz clots.	65	2	1	1
151.3	154.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Same as previous.	5	0	Tr	Tr
154.0	154.9	UMLAMP Dike	White and black	Fine Grained	Massive					
154.9	161.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	160.5m - 10 cm section of massive blebs of pyrite-pyrrhotite. Sulfides vary from blebby disseminated to blebs aligned in bands parallel to the S1 foliation. Localized sections of pegmatite.	5	0	1-2	2
161.2	165.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Localized muscovite and sillimanite crystals. Localized spider veinlets with sericite alteration.	55	5	1	1
165.4	168.3	Altered Garnet Biotite Felsic Gneiss	Dark\Light Green	Medium Grained	Moderately Well Foliated	Pervasively sericite and potassically altered, with intermixed pegmatite.	30	5	>1-1	>1-1
168.3	169.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous.	55	5	>1-1	>1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
169.8	190.6	Diorite	Grey, and white	Medium Grained	Weakly Foliated	Localized quartz-carbonate veinlets.	30	0	1	Tr
190.6	195.3	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Spider veinlets.	10	0	<1	Tr
195.3	203.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized quartz veins and veinlets.	10	0	Tr	Tr
203.9	215.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed pegmatite intervals at the upper contact. 215m - The end of the hole.	5	10	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 180	Total Depth (m) 149	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06/06/2011	Date Completed 07/06/2011	Date Logged June 6-7 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329786
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303828
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	25.3	Casing								
25.3	27.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated		50	5	1	1
27.3	30.9	Altered Garnet Biotite Felsic Gneiss	Grey and green	Medium Grained	Moderately Well Foliated	Localized vugs, and leached zones, and pervasive chlorite alteration.	55	1	1	Tr
30.9	37.3	Felsic Gneiss (G)	Grey and white	Coarse Grained	Moderately Well Foliated	Localized sericite alteration, spider veinlets, quartz clots, and patchy blebby sulfides.	5	0	1	>1-1
37.3	42.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and chlorite alteration.	60	5	1	2
42.0	46.5	Felsic Gneiss (G)	Grey, and white	Medium-coarse	Moderately Well Foliated	Localized spider veinlets, muscovite, and patchy sulfides.	5	0	>1	>1
46.5	48.4	UMLAMP Dike	White and black	Fine Grained	Massive					
48.4	56.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized vuggy sections.	5	Tr	1	2
56.0	65.0	Garnet Biotite Felsic Gneiss	Dark\Light Green	Medium Grained	Moderately Well Foliated	Localized streaks, blebs, and coarse clots. Localized pegmatite clots.	65	7	1	2
65.0	66.1	Felsic Gneiss (G)	Light Grey	Medium-coarse	Moderately Well Foliated		5	0	>1	>1
66.1	68.3	Garnet Biotite Felsic Gneiss		Fine-medium		Localized chlorite alteration, and localized coarse grained sulfides.	65	5	2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
68.3	70.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Felsic gneiss interlayer between garnet biotite felsic gneiss.	5	0	>1	>1
70.1	81.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized sections of coarse grained blebby-net-textured sulfides.	60	5	1	2
81.8	84.7	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Localized quartz clots with sulfides at their margins.	10	0	>1	Tr
84.7	90.0	Felsic Gneiss (C)	Green, orange and	Coarse Grained	Moderately Well Foliated	Intermixed pegmatite sections. Quartz clasts are stretched in the S1 direction.	15	1	1	Tr
90.0	94.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Slightly patchy blebby-net-textured pyrite-pyrrhotite. Coarse grained bundles of fine grained sillimanite. Localized quartz clots.	5	0	2	1
94.4	100.4	Garnet Biotite Felsic Gneiss				Unit is more siliceous than previous garnet biotite felsic gneiss Localized sillimanite bundles, and pegmatite intervals.	45	5	1	1
100.4	128.6	Felsic Gneiss (S)				1% overall with localized sections of 1-2%.	5-10	0	1	Tr
128.6	134.3	Felsic Gneiss (QP)	Grey, and white	Medium Grained	Weakly Foliated	Localized UMLAMP dike and amphibolite interlayers.	10	0	>1	Tr
134.3	149.1	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Localized quartz carbonate veins. 149.1 is the end of the hole.	5	10	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 180	Total Depth (m) 242	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 07/06/2011	Date Completed 10/06/2011	Date Logged June 7-10 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329693
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303963
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	19.3	Casing								
19.3	25.9	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Localized interlayers of hanging wall amphibolite. Patchy sulfides.	5	0	>1-1	>1-1
25.9	29.3	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	1-2% disseminated and patchy sulfides. Localized spider veinlets.	5	0	1	1
29.3	31.5	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized spider veinlets and chlorite alteration.	5-10	0	>1	Tr
31.5	42.9	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous.	5	0	1	1
42.9	45.0	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Same as previous.	5-10	0	1	Tr
45.0	49.4	Altered Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	1-2% overall sulfides with 2% sections locally. Unit is heavily chlorite altered.	40	0	1	1
49.4	69.0	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
69.0	79.3	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous. Localized spider veinlets, chlorite alteration, and felsic gneiss interlayers.	5-10	0	1	1
79.3	92.4	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Localized coarse grained clots and blebs of pyrite associated with biotite rich sections and quartz veins. 87.6m - 3x5 cm pyrite bleb. Intermixed biotite felsic gneiss sections.	10-15	0	2	Tr
92.4	105.2	Biotite Felsic Gneiss	Black	Fine Grained	Well Foliated	Patchy fine grained garnet porphyroblasts. Localized quartz clots, sericite alteration.	65	1	2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
105.2	112.5	Felsic Gneiss (G)	Light Grey	Medium-coarse	Moderately Well Foliated	Sulfide poor granitic felsic gneiss.	5	0	>1	Tr
112.5	121.3	Felsic Gneiss (C)	Variable Grey	Fine Grained	Moderately Well Foliated	Conglomeratic felsic gneiss with coarse quartz clasts elongated parallel to S1. Localized quartz clots and spider veinlets.	10	1	1	1
121.3	129.0	Diorite	Grey, white, and pink	Medium Grained	Weakly Foliated	Localized pegmatite clots, and spider veinlets.	30	0	>1	Tr
129.0	130.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized leached sections.	60	5	>1-1	>1-1
130.8	132.5	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Same as previous.	10	0	>1-1	Tr
132.5	136.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous.	65	5-7	1	1
136.5	138.6	Altered Garnet Biotite Felsic Gneiss	Light Grey	Medium-coarse	Moderately Well Foliated	Pervasive wricite, chlorite alteration, and localized pegmatite intervals.	30	2	1	Tr
138.6	155.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Variable biotite content, localized quartz clots, patchy garnet porphyroblasts. Sulfides are streaky, thin banded, and locally coarse grained clots.	55	7	2	1
155.3	157.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed pegmatite and garnet biotite felsic gneiss interlayers.	5	0	>1	>1
157.6	170.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermixed pegmatite clots, and interlayers of granitic felsic gneiss. Fine-medium grained patchy sulfides.	50	5	1	1
170.5	175.4	Felsic Gneiss (S)	Grey	Medium grained	Moderately Well Foliated	Localized vugs and epidote.	15	0	1	1
175.4	185.2	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and pegmatite. Slight textural variability across unit.	15	0	>1	Tr
185.2	192.7	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Pervasive sericite, and potassic alteration. Broken core zones.	20	0	>1	Tr
192.7	202.8	Felsic Gneiss (S)		Fine-medium		Same previous.	15	0	1	Tr
202.8	207.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration.	5	0	Tr	Tr
207.0	210.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy fine grained disseminated pyrrhotite.	10	0	Tr	Tr
210.7	217.6	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly-moderately	Localized amphibolite interlayers, quartz clots, and spider veinlets.	10	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
217.6	242.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized	5	5	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 205	Total Depth (m) 221	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 07/06/2011	Date Completed 09/06/2011	Date Logged June 7-9 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330950
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303378
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.4	Casing								
4.4	8.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized vugs, spider veinlets and pegmatite intervals.	5	0	1	Tr
8.7	25.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy pyrite. Localized spider veinlets, quartz clots, pegmatite intervals and coarse grained blebs of pyrite.	15	0	>1-1	Tr
25.4	30.0	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Localized quartz clots and pegmatite intervals.	5-10	0	1	Tr
30.0	31.4	Altered Felsic Gneiss (S)	Green, orange and	Fine-medium	Weakly Foliated	Unit is pervasive sericite, potassic, chlorite alteration. Localized vugs, and potassic and quartz spider veinlets.	5	0	Tr	Tr
31.4	32.8	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5-10	0	1	Tr
32.8	35.9	Altered Felsic Gneiss (S)	Green, orange and	Fine-medium	Weakly Foliated	Same as previous.	5	0	Tr	Tr
35.9	41.9	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Intermixed zones of potassic alteration.	5	0	<1-1	tr
41.9	44.2	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Intermixed zones containing coarse grained biotite and muscovite. Thin veinlets with potassic alteration halos	5	0	tr	tr
44.2	53.4	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Local zones with 1% streaky pyrite. Zones of chloritic alteration. Spider veinlets of sericitic alteration. Potassic alteration zones near (1.5m) lower contact.	10	0	<1-1	tr
53.4	57.5	Altered Biotite Felsic Gneiss	Dark green, black and	Medium Grained	Weakly Foliated	Intermixed diorite at 56.2-56.5m. Zones pf potassic alteration.	25	0	1	tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
57.5	63.6	Biotite Felsic Gneiss	Black	Medium Grained	Weakly-moderately	Localized streaky pyrite. Localized coarse grained blebby pyrite. Silicified zone at 60.2-60.4m.	35	0	2-3	tr
63.6	71.6	Felsic Gneiss (S)	Grey, and white	Medium Grained	Moderately Well Foliated	Coarse grained blebby sulphides with intermixed quartz pegmatite. Pervasive spider veinlets with sericitic and/or potassic alteration halos.	5	0	<1-1	<1-1
71.6	82.0	Diorite	Grey, and white	Medium-coarse	Weakly Foliated	Barren quartz vien at 76.5-77.6m. Pervasive spider vienlets with sericitic and/or potassic alteration.	10	0	tr	tr
82.0	90.1	Biotite Felsic Gneiss	Black	Fine-medium	Moderately well-well	intermixed quartz pebble gneiss from 89.4 to 89.9. local pegmatite at 88.4-88-6.	40	tr	1-2	1
90.1	92.4	Amphibolite	Black	Fine Grained	Moderately Well Foliated	Fine grained black hanging wall amphibolite. Quartz pegmatite with coarse blebby sulphides at 92.1-92.2m.	5	tr	<1	<1
92.4	95.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermixed quartz pebble gneiss at 94.3-94.9. Quartz pegmatite with coarse blebby sulphide at 94.4-94.5.	30	10	1	<1-1
95.1	96.6	Amphibolite	Black	Fine Grained	Moderately Well Foliated	Hanging wall amphibolite. Coarse grained bladed crystals of amphibole near at center of unit.	5	tr	<1	tr-<1
96.6	99.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	quartz-carbonate viens at 97.9-98.0.	30	10	<1	<1-1
99.6	117.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Localized pegmatite intervals, sillimanite, potassic alteration. Patchy coarse grained clots of pyrite.	5	0	1	Tr
117.4	118.4	Amphibole Felsic Gneiss	Grey and Green	Coarse Grained	Porphyroblastic	Localized spider veinlets, and quartz clots.	2	0	>1	>1
118.4	120.0	Felsic Gneiss (C)	Grey, black and pink	Coarse Grained	Banded	Elongated coarse grained quartz clasts. Localized spider veinlets, with sericite alteration.	15	2	1	1
120.0	126.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	3% coarse grained blebs, and net-textured pyrrhotite-pyrite. (Sulfides occur predominantly after 125m). Localized pegmatite intervals.	5	0	1	2
126.6	128.4	Felsic Gneiss (S)	Grey	Medium-coarse	Well Foliated	Intermixed pegmatite.	15	0	1	1
128.4	139.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Well Foliated	Patchy sulfides. Abundant sillimanite bundles.	65	10	1	1
139.1	145.8	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Localuzed sections of pitassic alteration.	10	0	Tr	Tr
145.8	147.0	Pegmatite	Green, orange, and			Granitic pegmatite with trace sulfides and garnet biotite felsic gneiss selvages.	10	1	Tr	Tr
147.0	148.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Same as previous.	65	10	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
148.3	150.5	Pegmatite	Green, orange, and			Sulfides are in the farnet biotite felsic gneiss selvages.	10	0	>1	>1
150.5	156.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized pegmatite interlayers.	60	5	1	1
156.8	166.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized pegmatite intervals, and abundant bundles of sillimanite.	5	0	>1	>1
166.4	176.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized pegmatite and granitic felsic interlayers.	15	0	>1	Tr
176.6	178.3	Pegmatite	Grey, white, and pink			Barren granitic pegmatite.	1	0	Tr	Tr
178.3	182.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	15	0	>1	Tr
182.6	186.7	Amphibolite	Dark\Light green and	Medium Grained	Moderately Well Foliated	Garnet and biotite bands.	5	10	Tr	Tr
186.7	192.6	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized chlorite alteration, patchy garnet, and pyrrhotite.	10	2	Tr	1
192.6	199.6	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Intermixed amphibolite.	5	1	Tr	Tr
199.6	210.5	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed pegmatite intervals and spider veinlets and felsic gneiss.	5	7	Tr	>1
210.5	221.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Mostly barren unit with localized coarse grained massive pyrrhotite 212-212.5m. Intermixed pegmatite. 221 is the end of the hole.	15	1	Tr	2

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 205	Total Depth (m) 257	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 09/06/2011	Date Completed 12/06/2011	Date Logged June 9-12 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330950
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303378
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.9	Casing								
3.9	53.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent pegmatite intervals, spider veinlets, and quartz veins.	10-15	0	>1-1	Tr
53.3	59.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized sillimanite, spider veinlets, and quartz clots.	5	0	>1	Tr
59.4	62.1	Felsic Gneiss (S)	Grey, black and pink	Medium Grained	Moderately Well Foliated	Fine-medium grained porphyroblastic amphibole. Localized potassic alteration.	10	0	Tr	Tr
62.1	67.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized pegmatite intervals.	10	0	>1	Tr
67.6	76.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized chlorite alteration. Sulfides associated with biotite.	15	0	1-2	Tr
76.1	82.3	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Localized coarse grained blebs of pyrrhotite.	50	0	1	1
82.3	94.3	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized spider veinlets.	10	0	1	Tr
94.3	95.8	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Chlorite altered biotite felsic gneiss.	50	0	>1	1
95.8	97.5	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Same as previous. Intermixed altered chlorite altered biotite felsic.	10	0	Tr	Tr
97.5	109.4	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Pervasive chlorite alteration, localized vugs, and broken core.	60	5	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
109.4	113.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed pegmatite. Localized spider veinlets.	60	5	1	1
113.5	119.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed pegmatite, abundant sillimanite.			>1	Tr
119.9	121.6	Altered Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Pervasive potassic alteration, spider veinlets.	65	0	>1	Tr
121.6	125.5	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Intermixed unit with felsic gneiss (s), garnet biotite felsic gneiss and quartz pebble.	15	1	>1	Tr
125.5	135.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated		5	0		
135.3	139.4	Felsic Gneiss (C)	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Coarse quartz clasts, elongated in the S1 direction. Localized spider veinlets.	10	5	1	Tr
139.4	142.6	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized interlayers of felsic gneiss (s), pegmatite. Patchy garnet and sillimanite porphyroblasts.	5	1-2	1	Tr
142.6	144.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Localized pegmatite intervals.	60	5	1	1
144.7	146.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized potassic alteration. Patchy coarse grained bundles of fine grained sillimanite.	5	0	>1-1	Tr
146.2	148.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized potassic and sericitic alteration.	60	5	1	1
148.8	150.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	>1
150.4	151.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized pegmatite.	20	0	1	1
151.5	162.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized chlorite and potassic alteration. Overall 2-3% sulfides with 3-4% locally.	5	0	2	1
162.2	165.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Patchy sillimanite, and localized spider veinlets.	60	5	1	1
165.5	169.3	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Pervasively sericitic, potassic and chlorite altered. Localized pegmatite intervals.	30	5	1	>1
169.3	171.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets.	15	0	>1	>1
171.5	176.6	Diorite	Grey and white	Medium Grained	Weakly Foliated	Localized spider veinlets, and potassic alteration.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
176.6	183.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized coarse grained clots of pyrite-pyrrhotite, and pegmatite.	15	0	1	>1
183.4	185.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Patchy sillimanite.	5	0	1	Tr
185.8	193.7	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Localuzed quartz clots.	20	0	1	1
193.7	198.3	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Moderately Well Foliated	Localuzed pegmatite intervals.	10	0	Tr	Tr
198.3	200.1	Pegmatite	Green, orange, and			Localized felsic gneiss selvages.	2	0	Tr	Tr
200.1	204.9	Amphibolite	Dark green, black and	Medium Grained	Moderately Well Foliated	Patchy garnet porphyroblasts and pyrrhotite.	5	7	Tr	1
204.9	206.8	Amphibolite	Black	Fine Grained	Well Foliated	Streaky, schlieren, blebby and disseminated pyrrhotite.	2	0	Tr	2
206.8	210.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Patchy sillimanite, and localized pegmatite.	50	10	>1	>1
210.0	212.4	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Intermixed quartz pebble.	5	2	Tr	>1
212.4	217.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets, and sericite alteration.	5	0	>1	1
217.7	236.2	Amphibolite	Dark green, black and	Medium Grained	Moderately Well Foliated	Localized quartz clots, and sericite.	5	5	>1	1
236.2	238.9	Felsic Gneiss (QP)	Grey and white	Medium Grained	Well Foliated	Localized spider veinlets.	10	0	>1	Tr
238.9	239.9	Amphibolite	Dark green, black and	Fine Grained	Well Foliated	Fine grained amphibolite.	5	0	Tr	Tr
239.9	243.5	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	Tr	Tr
243.5	257.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed pegmatite intervals. 257m is the end of the hole.	15	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 180	Total Depth (m) 260	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 10/06/2011	Date Completed 12/06/2011	Date Logged June 10-12 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329693 Northing 5303963 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	16.5	Casing								
16.5	22.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Hanging wall amphibolite. Chlorite alteration, spider veinlets locally.	5	0	Tr	1-2
22.0	28.2	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Intermittent quartz clots.	2	0	Tr	Tr
28.2	32.7	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Streaky, blebby and disseminated pyrrhotite.	5	0	Tr	1-2
32.7	34.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed amphibolite at lower contact.	10	0	Tr	Tr
34.3	42.8	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Localized chlorite alteration.	5	0	1	1-2
42.8	47.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized coarse grained clots of pyrite-pyrrhotite.	25	0	1	1
47.6	48.8	Altered Biotite Felsic Gneiss	Black	Fine Grained	Moderately Well Foliated	Chlorite altered biotite felsic gneiss.	50	0	1	2
48.8	52.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz clots.	5	0	1	Tr
52.0	52.9	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Hanging wall amphibolite with chlorite alteration.	5	0	1	1
52.9	63.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized quartz clots, vugs, biotite rich sections.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
63.2	65.5	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Pervasive chlorite.	15	0	1	Tr
65.5	83.1	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Localized spider veinlets.	10	0	1	Tr
83.1	89.2	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Intermittent chlorite alteration.	5	0	1	1
89.2	100.5	Felsic Gneiss (C)	Grey	Coarse Grained	Moderately Well Foliated	Quartz clasts are elongated in the S1 direction.	10	0	1	Tr
100.5	110.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, vugs, and sections of broken\blocky core.	10	0	1	Tr
110.3	111.6	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Pervasive chlorite alteration and vugs.	55	0	1	
111.6	115.4	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized spider veinlets.	10	0	1	Tr
115.4	131.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Abundant chlorite alteration. Localized quartz clots.	65	5	1	1
131.0	143.0	Felsic Gneiss (S)	Grey and white	Medium-coarse	Weakly-moderately	Localized chlorite alteration, vugs, and broken\blocky core.	15	0	1	>1
143.0	153.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Chlorite localized in lower part of the unit. Localized spider veinlets and quartz clot.	55	5	1	1
153.7	159.2	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Moderately Well Foliated	Intermixed garnet biotite felsic gneiss interlayers. Localized pegmatite intervals.	10	0	>1	Tr
159.2	182.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Intermittent pegmatite, chlorite alteration sections. Localized coarse grained pyrrhotite-pyrite clots, often associated with pegmatite intervals.	60	5	1	2
182.3	189.6	Felsic Gneiss (S)	Grey, black and pink	Medium Grained	Moderately Well Foliated	Internixed unit with interlayers of garnet biotite felsic gneiss, pegmatite, and chlorite altered sections. Sulfides are predominantly in the garnet biotite felsic gneiss selvages.	20	2	1	1
189.6	198.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Granitic felsic gneiss with interlayers of garnet biotite felsic garnet, and pegmatite. Abundant coarse grained muscovite.	5	0	>1	>1
198.9	200.6	Garnet Biotite Felsic Gneiss		Medium Grained	Well Foliated	Same as previous.	65	3	1	1
200.6	202.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	>1	>1
202.7	207.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous.	65	5	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
207.3	211.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite.	10	0	1	Tr
211.3	223.4	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz clots, and spider veinlets.	15	0	1	Tr
223.4	230.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Weakly Foliated	Pervasively potassic and sericitically altered unit.	5	0	>1	Tr
230.0	233.4	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated	Same as previous.	15	0	1	Tr
233.4	238.5	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Localized quartz clots.	10	0	1	Tr
238.5	246.2	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized quartz pebble interlayers.	5	0	Tr	>1
246.2	260.0	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed felsic gneiss (s) interlayers. 260m us the end of the hole.	10	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 458	Bearing of Hole from true North 205	Total Depth (m) 221	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 12/06/2011	Date Completed 14/06/2011	Date Logged June 12-14 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330677
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303535
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.3	Casing								
4.3	22.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Patchy potassic alteration.	5	0	<1	Tr
22.0	30.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	Tr
30.1	31.6	Pegmatite	Green, orange, and			Barren pegmatite.	2	0	Tr	Tr
31.6	42.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	>1	Tr
42.0	53.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
53.3	55.4	2 Mica Granite	Grey, white, and pink	Coarse Grained	Massive	Coarsed grained muscovite.	1	0	Tr	Tr
55.4	57.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
57.9	59.5	2 Mica Granite	Grey, white, and pink	Coarse Grained	Massive	Same as previous.	2	0	Tr	Tr
59.5	86.8	Felsic Gneiss (S)	White	Medium-coarse	Moderately Well Foliated	Unit has graditional variability in texture, and biotite.	10-15	Tr	1	Tr
86.8	88.3	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Pervasive chlorite alteration. Localized vugs.	15	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
88.3	93.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, leached sections, and vugs.	15	0	>1	Tr
93.5	97.2	Pegmatite	Green, orange, and			Intermixed felsic gneiss selvages. Sulfides associated with biotite.	2	0	>1-1	Tr
97.2	98.9	Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized chlorite alteration, and vugs.	65	0	Tr	Tr
98.9	103.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized muscovite, and spider veinlets. UMLAMP Dike running parallel to core axis.	5	0	Tr	Tr
103.1	111.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	60	5	1	1
111.1	119.6	Diorite	Grey and white	Medium Grained	Weakly Foliated	Localized spider veinlets, vugs and UMLAMP Dikes.	30	0	1	Tr
119.6	127.1	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Localized coarse grained clots of pyrite, muscovite and intermixed granitic felsic gneiss.	15	0	1	Tr
127.1	129.2	Felsic Gneiss (C)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Coarse grained quartz clasts elongated in the S1 direction. Localized spider veinlets with sericitic alteration.	15	0	1	Tr
129.2	132.8	UMLAMP Dike	Black and white			Localized selvages of pegmatite.				
132.8	141.4	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed pegmatite, and sericitically altered sections and spider veinlets.	5	0	1	2
141.4	150.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Intermixed pegmatite, localized spider veinlets, and patchy sillimanite.	60	7	1	2
150.1	153.1	Altered Garnet Biotite Felsic Gneiss	Green, orange, and	Fine-medium	Moderately Well Foliated	Pervasive sericitically, potassically and chlorite altered.	15	2	1	Tr
153.1	156.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous.	60	5	1	1
156.5	167.1	Diorite	Grey, white, and pink	Medium Grained	Weakly Foliated	Localized spider veinlets, and localized coarse grained clots.	30	0	1	Tr
167.1	174.3	UMLAMP Dike	Black and white		Massive	Patchy sulfides at the contact.			1	
174.3	176.7	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Pervasive potassic alteration. Intermixed pegmatite.	5	0	1	Tr
176.7	180.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite, and UMLAMP Dike.	15	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
180.0	181.4	Pegmatite	Green, orange, and			Localized potassic alteration.	2	0	>1	Tr
181.4	185.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite.	10	0	1	1
185.6	189.9	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	10	0	Tr	Tr
189.9	192.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and quartz clots.	5	0	>1	Tr
192.1	203.6	Altered Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Potassic, and chlorite altered felsic gneiss. Broken\blocky core, intruding UMLAMP dikes. 200.2m - 10 cm section of 1-2% pyrrhotite.	5	0	Tr	>1
203.6	206.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	Tr
206.7	221.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized spider veinlets. Patchy coarse grained garnet. 221m is the end of the hole.	5	7	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 165	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 12/06/2011	Date Completed 30/06/2011	Date Logged June 14-30 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329515 Northing 5304055 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	27.3	Casing								
27.3	37.5	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Hanging wall amphibolite. Broken and blocky core. Localized quartz-carbonate veinlets, veins.	5	0	1	Tr
37.5	40.7	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Localized spider veinlets.	15	0	>1	Tr
40.7	50.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
50.0	55.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized vugs, broken\blocky core.	10	0	1	Tr
55.3	69.5	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized spider veinlets, and chlorite alteration. Localized coarse grained blebs of pyrrhotite-pyrite.	5	0	1	1
69.5	81.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized spider veinlets, and quartz clots.	15	0	1	>1
81.5	83.5	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration.	50	2	>1	Tr
83.5	85.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Patchy chlorite alteration.	60	3	1	1
85.9	88.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz clots.	5	0	1	Tr
88.1	89.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Coarse grained biotite.	15	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
89.5	94.0	Felsic Gneiss (S)				Intruding UMLAMP Dike.	5	0	Tr	Tr
94.0	95.8	Altered Biotite Felsic Gneiss	Dark green, black and	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration, with patchy sulfides.	50	0	1	1
95.8	108.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	5		>1-1	Tr
108.1	111.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Intermixed pegmatite.	5	0	Tr	Tr
111.2	119.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized leached and vuggy sections.	10	0	1	Tr
119.7	121.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Broken\blocky core and leached sections.	15	1	1	1
121.9	127.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized chlorite alteration, and spider veinlets.	5	0	1	Tr
127.0	128.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
128.5	140.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets, and quartz clots.	15	0	Tr	1
140.2	142.9	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Pyrite associated with biotite.	55	0	>1-1	Tr
142.9	145.2	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	15	0	1	Tr
145.2	148.1	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Same as previous.	55	0	1	Tr
148.1	151.7	Garnet Biotite Felsic Gneiss				Localized quartz clots.	55	3	1	1-2
151.7	162.0	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Localized biotite rich sections, chlorite alteration, patchy porphyroblasts of sillimanite.	5-10	0	1	Tr
162.0	164.4	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	20% medium grained grained porphyroblastic amphibole and 10% fine-medium grained biotite in a fine grained felsic matrix. Patchy fine grained blebby pyrite associatedwithareas of increased biotite content.	10	0	>1	Tr
164.4	165.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermittent spider veinlets. Fine-medium grained blebby-streaky pyrite associated with biotite. Drillers lost the hole at 165.4m.	15	0	1-2	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 458	Bearing of Hole from true North 205	Total Depth (m) 221	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 15/06/2011	Date Completed 01/07/2011	Date Logged June 15-July 1 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330677 Northing 5303535 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	4.7	UMLAMP Dike	Black and white	Fine Grained	Massive					
4.7	7.0	Diorite	Grey and white	Medium Grained	Moderately Well Foliated	Localuzed spider veinlets with sericitic and potassic alteration haloes.	30	0	1	Tr
7.0	17.4	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized pegmatite intervals, spider veinlets. Sporadic coarse grained blebs, and medium grained blebs of pyrite.	5	0	1	Tr
17.4	24.7	2 Mica Granite	Grey, white, and pink	Coarse Grained	Massive	Coarse grained booklets of muscovite, medium grained biotite, in a felsic groundmass. Sporadic quartz clots and spider veinlets.	5	0	>1	Tr
24.7	37.7	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous. >1 fine grained disseminated and sporadic pyrite. Small zones >1m of intermixed 2 Mica Granite.	5	0	>1	Tr
37.7	64.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately well-well	Localized spider veinlets, quartz veins and clots, and UMLAMP dikes (5-40 cm). Pyrite is disseminated and patchy.	5-10	0	1	Tr
64.5	66.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Patchy coarse grained booklets of muscovite, spider veinlets with potassic and sericitic alteration halos and quartz clots. Pyrite occurs as fine grained disseminated crystals in patchy 3-5cm wide zones.	5	0	>1	Tr
66.6	68.7	Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately	Localized intermixed pegmatite zones, and medium sections.	5	0	>1	Tr
68.7	70.6	Pegmatite	Green, orange, and			Trace sulfides in felsic gneiss selvages.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
70.6	73.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous. Patchy medium-coarse grained blebby pyrite.	5	0	>1	Tr
73.7	77.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Fine-medium grained disseminated and blebby pyrite that is associated with biotite.	10	0	1	Tr
77.7	81.1	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized chlorite alteration, spider veinlets. 1-2% fine grained disseminated, streaky and blebby pyrrhotite-pyrite.	10	0	1	1
81.1	90.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermittent spider veinlets, potassic alteration, barren quartz veins. 1% fine grained disseminated pyrite overall with localized sections of 1-2% (predominantly in the first half of the unit), and patchy coarse grained blebs.	5-10	0	1-2	Tr
90.9	93.0	Pegmatite	Green, orange, and			5 and 15 cm UMLAMP dikes intruding at upper contact of the unit. Pyrite is present in felsic gneiss selvages.	2	0	>1	Tr
93.0	102.8	Felsic Gneiss (S)	Light Grey	Fine-medium	Weakly-moderately	Intermittent barren quartz veins, localized spider veinlets with potassic and sericitic alteration. Leaching and fine vugs at 102.5-102.8m.	10	0	1	Tr
102.8	110.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermittent spider veinlets, quartz clots, and veins and patchy vugs.	15	0	1	Tr
110.5	115.2	Biotite Felsic Gneiss	Black and white	Medium Grained	Well Foliated	Intermittent quartz veins, and quartz flooded sections. 1-2% fine-medium grained disseminated, streaky and blebby pyrrhotite-pyrite.	40	0	1	1
115.2	117.1	UMLAMP Dike	Black and white			30 cm Biotite felsic gneiss selvedge with 1-2% medium grained blebby pyrite.				
117.1	122.2	Altered Biotite Felsic Gneiss	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Foliation and texture remain. Unit is pervasively sericitically and potassically altered, with much of the biotite replaced with sillimanite. Patchy pyrite occurring as fine grained schlieren.	5-10	0	1	Tr
122.2	123.3	UMLAMP Dike	Black and white							
123.3	128.5	Altered Biotite Felsic Gneiss	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same as previous.	5-10	0	1	Tr
128.5	132.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Localized pegmatite intervals. 2% fine grained streaky-blebby pyrite, patchy fine grained pyrrhotite.	55	5	2	>1-1
132.4	134.7	Altered Biotite Felsic Gneiss	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Same previous, with more pervasively potassic alteration, and less primary biotite.	5	0	>1-1	Tr
134.7	136.7	Biotite Felsic Gneiss	Black and white	Medium Grained	Well Foliated	Fine grained blebby and locally coarse grained clots of pyrite with >1-1% fine grained disseminated pyrrhotite. Intermixed pegmatite intervals.	40	0	1-2	>1-1
136.7	143.1	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Felsic gneiss with pervasive potassic and minor chlorite and sericite alteration. Intermixed pegmatite zones.	5	0	1	Tr
143.1	149.5	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Intermixed pegmatite intervals (5-10 cm), patchy fine grained disseminated pyrite and patchy medium grained blebby pyrrhotite.	5	1	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
149.5	151.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	UM\LAMP Dike from 150.6-150.8m. Fine grained schlieren and blebby pyrite-pyrrhotite.	40	5	1	>1-1
151.6	163.5	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Moderately Well Foliated	1% medium blebby pyrite-pyrrhotite overall with localized sections of 1-2%. Intermixed zones of potassic alteration, spider veinlets and patchy coarse grained crystals of muscovite.	5	0	1	1
163.5	171.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Moderately Well Foliated	Intermixed zones of potassic, chlorite, and sericitic alteration. Pegmatite interval 166m-167.3m 2% medium-coarse grained clot, blebs of pyrite and 1% fine-medium grained schlieren and disseminated pyrrhotite.	50	5	2	1
171.4	172.5	Pegmatite	Green, orange, and			Pyrite present in 5-10 cm selvages of gneiss.	2	0	>1	Tr
172.5	205.7	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed interlayers of diorite, spider veinlets, and barren quartz veins. Localized coarse grained pyrite-pyrrhotite.	15	0	1	Tr
205.7	207.3	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Localized chlorite alteration.	5	5	Tr	1
207.3	208.3	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed barren pegmatite.	5	0	Tr	Tr
208.3	221.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Patchy sericite alteration, and spider veinlets. 221m is the end of the hole.	5	10	Tr	>1-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 180	Total Depth (m) 234	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 29/06/2011	Date Completed 05/07/2011	Date Logged July 1-5 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329515
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304055
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	25.0	Casing								
25.0	40.8	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Unit gradates to and from fine to medium grained. Slightly patchy disseminated pyrrhotite-pyrite.	5-10	0	1	1
40.8	57.3	Felsic Gneiss (S)	Grey and white	Fine-medium	Moderately Well Foliated	Intermixed pegmatite, and quartz clots. Patchy muscovite in intermixed granitic zones.	10	0	1	Tr
57.3	72.6	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Same as previous. Patchy medium-coarse grained pyrrhotite-pyrite.	5-10	0	1	1
72.6	101.8	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized coarse blebs veins of pyrite, quartz clots, spider veinlets abd vuggy leached sections (10 cm).	10-15	0	1-2	Tr
101.8	109.1	Altered Biotite Felsic Gneiss	Dark\Light Green	Fine-medium	Moderately Well Foliated	Pervasive chlorite alteration.	40	0	1	1
109.1	116.5	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	>1	Tr
116.5	121.6	Biotite Felsic Gneiss	Black	Fine-medium	Moderately Well Foliated	1-2% pyrite-pyrrhotite overall with localized sections of 2-3%.	60	Tr	1	1-2
121.6	134.1	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant chlorite alteration, and vugs.	50	0	>1-1	1
134.1	136.3	UM\LAMP Dike	Black and white	Fine Grained	Massive					
136.3	149.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant chlorite alteration, vugs, and spider veinlets.	50	0	2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
149.9	164.2	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Moderately Well Foliated	Localized sections of 1-2% Pyrite.	5	0	1	Tr
164.2	168.9	Altered Biotite Felsic Gneiss	Dark\Light green and	Fine Grained	Moderately Well Foliated	Localized spider veinlets. Abundant chlorite alteration.	50	0	1-2	Tr
168.9	172.7	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Localized spider veinlets and quartz clots.	10	0	1	Tr
172.7	178.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized coarse grained blebby pyrite.	20	0	1-2	Tr
178.5	180.4	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
180.4	185.9	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Spider veinlets intermixed quartz clots, and pervasive chlorite alteration.	40	0	1	1
185.9	188.6	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly Foliated	Spider veinlets. Pyrite is associated with biotite.	5	0	1	Tr
188.6	195.9	Amphibolite	Grey and Green	Fine-medium	Moderately Well Foliated	Intermixed felsic gneiss (s) layers.	5	0	1	Tr
195.9	198.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Patchy spider veinlets.	5	0	1	Tr
198.7	201.5	Altered Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Pervasive chlorite alteration. Localized quartz clots.	5	0	1-2	Tr
201.5	208.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz clots, spider veinlets, and UMLAMP Dike (40 cm).	15-20	0	1-2	Tr
208.2	212.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized coarse grained muscovite, and intermixed quartz clots.	10	0	1	1
212.4	222.6	Felsic Gneiss (C)	Variable Grey	Coarse Grained	Well Foliated	Intermixed quartz clots, interlayers of porphyroblastic amphibole felsic gneiss, and localized spider veinlets.	15	0	1	1
222.6	228.5	UMLAMP Dike	Black and white	Fine-medium	Massive	Dike runs parallel to core axis at contacts, half the core being from the under and overlying units.				
228.5	233.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Well Foliated	Intermixed felsic rich and slightly biotite poor sections. 233.8m is the end of the hole, as drillers had difficulties with rods sticking and were unable to continue for risk of losing all rods and core barrel.	55	5	1	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 457	Bearing of Hole from true North 205	Total Depth (m) 229	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 01/07/2011	Date Completed 03/07/2011	Date Logged July 1-3 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330597
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303584
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.3	Casing								
4.3	10.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Pervasive potassic alteration at lower contact.	5	0	>1-1	Tr
10.8	32.7	Diabase Dike	Black and white	Fine-medium	Massive					
32.7	68.0	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Weakly-moderately Well Foliated	Unit transitions graditionally from weakly foliated granitic felsic dominated sections to moderately well foliated sedimentary gneiss dominated sections. Patchy coarse grained muscovite. Localized spider veinlets and pegmatite quartz clots.	5-10	0	1	Tr
68.0	79.4	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	1-2% pyrite predominantly in patchy biotite rich sections. Localized spider veinlets and vuggy sections.	10	0	1-2	Tr
79.4	82.9	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Felsic gneiss with pervasive potassic and sericitic alteration. No appreciable increase in sulfides.	5	0	>1	Tr
82.9	88.8	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Similar to last felsic gneiss (s) but lacking the biorite sections. Pyrite is uniformly disseminated throughout unit.	5	0	1	Tr
88.8	89.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized pegmatite interval, vugs, and chlorite alteration.	65	3	1-2	>1
89.9	96.3	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	1	Tr
96.3	113.1	Diorite	Grey, white, and pink	Medium Grained	Massive	Abundant spider veinlets and pervasive potassic alteration.	30	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
113.1	115.0	Altered Biotite Felsic Gneiss	Grey and green	Medium Grained	Moderately Well Foliated	Chlorite altered. Ground core 113.9-114.4m.			2	1
115.0	119.7	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized sections of 1-2% pyrite associated with increased biotite.	10	0	1	Tr
119.7	123.1	Diorite	Grey, white, and pink	Medium Grained	Massive	Same previous.	30	0	1	Tr
123.1	124.8	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized pegmatite intervals.	50	5	2	1
124.8	135.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Pervasive potassic and sericitic alteration.	5	0	1	Tr
135.0	137.3	UMLAMP Dike	Black and white	Fine Grained	Massive	Contacts brecciated.				
137.3	139.2	Altered Felsic Gneiss (S)		Fine-medium		Same as previous.	5	0	1	Tr
139.2	142.2	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Same as previous.	50	5	1	1
142.2	145.4	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Same as previous.	5	0	1	Tr
145.4	161.2	Altered Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated		5	0	1	Tr
161.2	169.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Intermixed pegmatite with associated coarse grained blebs of pyrrhotite.	60	5	1	2
169.9	185.4	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized sections of 1-2% fine grained disseminated pyrite. Intermixed intervals of pegmatite.	10-15	0	1-2	Tr
185.4	208.9	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Patchy coarse grained pyrite, fine-medium grained blebby, and streaky pyrrhotite. Localized quartz veins, and spider veinlets and coarse bundles of fine grained sillimanite.	10-15	0	1	1
208.9	210.1	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Footwall amphibolite. Patchy blebby pyrrhotite.	5	5	Tr	1
210.1	211.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	Tr	Tr
211.0	228.6	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Same as previous. Patchy blebby medium-coarse grained pyrrhotite. 228.6m is the end of the hole.	5	15	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 457	Bearing of Hole from true North 205	Total Depth (m) 227	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 03/07/2011	Date Completed 04/07/2011	Date Logged July 3-4 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330597 Northing 5303584 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.6	Casing								
3.6	14.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized vugs, potassic alteration.	5-10	0	1	Tr
14.1	48.6	Diabase	Black and white	Fine-medium	Massive					
48.6	50.1	UMLAMP Dike	Black and white	Medium Grained	Massive					
50.1	55.6	Diorite	Grey, white, and pink	Medium Grained	Massive	Pervasive sericitic alteration and spider veinlets.	30	0	>1	Tr
55.6	59.7	Altered Felsic Gneiss (S)	Variable Grey	Fine Grained	Weakly Foliated	Pervasively sericitically altered, and abundant spider veinlets.	1	0	<1	Tr
59.7	65.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
65.3	85.3	Diorite	Grey, white, and pink	Medium Grained	Massive	Same as previous. 72.1-75.7m - Pervasive potassic alteration.	30	0	>1	Tr
85.3	102.5	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium grained	Moderately Well Foliated	Pervasive chlorite, and sericitically altered. Intermixed unaltered felsic gneiss (s), pegmatite intervals. Localized 2-3% pyrite-pyrrhotite sections associated with chlorite alteration and quartz-carbonate vein.	5	0	1	1
102.5	104.0	Biotite Felsic Gneiss	Grey	Fine-medium	Well Foliated	Localized spider veinlets.	45	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
104.0	106.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed pegmatite intervals, and sericite alteration.	5	0	>1	Tr
106.3	135.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized sections of abundant spider veinlets, chlorite alteration, and intermixed pegmatite intervals.	60	5-7	1	2
135.3	139.3	Felsic Gneiss (C)	Green, orange, and	Coarse Grained	Well Foliated	Coarse grained quartz clots elongated in the S1 direction. Localized coarse grained pyrite blebs.	10	0	1	Tr
139.3	145.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Medium grained blebby and fine grained disseminated pyrite. Intermixed pegmatite intervals. Localized spider veinlets.	15	0	1	Tr
145.8	146.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
146.8	151.9	Altered Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Abundant potassic alteration, spider veinlets.	5	0	>1-1	Tr
151.9	156.7	Diabase Dike	Black and white	Fine-medium	Massive	Broken\blocky core.				
156.7	165.0	Altered Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Abundant potassic alteration, brecciated sections, and localized spider veinlets.	5	0	1-2	Tr
165.0	178.0	Altered Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	2-3% coarse grained blebby pyrite-pyrrhotite overall with localized sections of 3-4%. Sulfides associated with brecciated zones. Intermixed broken blocky sections.	5	0	2-3	1-2
178.0	211.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Well Foliated	1-2% coarse blebby and fine grained disseminated pyrite-pyrrhotite with localized sections of 2-3%. 193.7m 5cm wide po-py vein. Intermixed pegmatite, and spider veinlets.	10-15	0	1	1
211.0	227.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed UMLAMP Dike, and spider veinlets. 227m is the EOH.	5	5	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 189	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 04/07/2011	Date Completed 06/07/2012	Date Logged July 5-6 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330507 Northing 5303624 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.8	Casing								
6.8	7.4	Diabase Dike	Black and white	Fine-medium	Massive					
7.4	36.9	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Moderately Well Foliated	Intermixed unit of predominantly granitic felsic gneiss with lesser sedimentary felsuc gneiss and altered granitic gneiss interlayers. Intermixed pegmatite clots and spider veinlets.	5-10	0	1	Tr
36.9	46.8	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	1% pyrite overall with localized sections (~10 cm) of 1-2%. Lower contact is altered and brecciated from intruding dike.	5	0	1	Tr
46.8	48.4	Diabase Dike	Black and white	Fine-medium	Massive	Lower contact is brecciated.				
48.4	61.7	Altered Felsic Gneiss (S)	Green, orange, and	Fine Grained	Moderately Well Foliated	Pervasively potassically and sericitically altered.	5	0	1	Tr
61.7	69.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz clots and spider veinlets. Sulfides oredominantly associated with biotite.	10-15	0	1	Tr
69.1	74.2	Diorite	Grey, white, and pink	Medium Grained	Weakly Foliated	Intermixed spider veinlets.	30	0	1	Tr
74.2	83.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized medium grained blebby sulfides, pegmatite intervals, spider veinlets, and chlorite altered sections.	15	0	1	>1
83.0	101.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Well Foliated	Intermixed pegmatite and felsic gneiss (<1m). Localized sections 2-3% pyrite-pyrrhotite.	65	5	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
101.5	107.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Abundant sillimanite porphyroblasts. Intermixed spider veinlets.	10	0	1	Tr
107.4	108.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous.	65	5	2	1
108.4	110.5	Diorite	Grey, white, and pink	Medium Grained	Massive	Same as previous.	30	0	1	Tr
110.5	116.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Same as previous. Localized coarse grained blebs of pyrite-pyrrhotite.	65	5	2	1
116.0	138.0	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized sections of 2-3% pyrite-pyrrhotite with 1-2% overall. Intermixed felsic gneiss (s), pegmatite, and garnet biotite felsic gneiss.	10	0	1	1
138.0	149.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Well Foliated	Localized coarse grained blebby pyrite-pyrrhotite.	65	10	1	1
149.6	156.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed spider veinlets and pegmatite intervals.	15	Tr	1-2	Tr
156.6	162.8	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermixed pegmatite intervals.	5	0	1	Tr
162.8	170.8	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed epidote in vugs. Localized spider veinlets.	15	0	1	Tr
170.8	185.8	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized coarse grained muscovite crystals and pegmatite intervals.	15	Tr	1	1
185.8	189.4	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Intermixed felsic gneiss at upper contact. Patchy pyrrhotite crystals. 189.4m is the end of the hole.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 180	Total Depth (m) 263	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 05/07/2011	Date Completed 08/07/2011	Date Logged July 5-8 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329558
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304033
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	30.3	Casing								
30.3	41.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Intermixed spider veinlets. Pyrite associated with chlorite.	5	Tr	1	1
41.0	46.8	Felsic Gneiss (S)	Grey and Green	Coarse Grained	Moderately Well Foliated	Pervasive sericite alteration.	2	0	>1	Tr
46.8	51.1	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	1	2
51.1	53.9	Diabase Dike	Black and white	Fine Grained	Massive					
53.9	67.1	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized coarse grained veins and bleb and streaky-schlieren pyrrhotite-pyrite. Localized spider veinlets.	5	0	2	2
67.1	68.9	Altered Felsic Gneiss (S)	Grey and Green	Coarse Grained	Brecciated	Unit is brecciated and heavily sericitically altered.	2	0	1	Tr
68.9	77.0	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Moderately Well Foliated	Localized sections of 1-2% pyrite with 1% overall. Intermixed spider veinlets, and sericitic alteration.	15	0	1	Tr
77.0	83.9	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	1% Sulfides overall with sections of 1-2% predominantly at the lower contact. Sulfides associated with biotite, +/- chlorite alteration.	20	0	1	Tr
83.9	85.7	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous.	5	0	1	Tr
85.7	89.6	Felsic Gneiss (S)	Light Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz veins\veinlets with a slight increase in sulfides at their margins.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
89.6	99.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	1	1
99.0	99.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Minor sericitic alteration.	5	0	>1	Tr
99.8	101.1	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous.	5	0	1	Tr
101.1	103.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized medium grained blebs of pyrite.	25	0	1	Tr
103.3	106.6	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	2-3% patchy garnet.	25	2-3	1	>1
106.6	115.3	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Pervasive sericite alteration. Localized vuggy sections.	5	0	1	Tr
115.3	121.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized sections of 1-2% pyrite with 1% overall.	25	0	1	1
121.1	126.1	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Well Foliated	Localized coarse grained clots of pyrite and chlorite alteration.	15	1	1-2	Tr
126.1	128.4	Felsic Gneiss (G)	Grey	Medium-coarse	Moderately Well Foliated	Localized sericite alteration.	5	0	1	Tr
128.4	135.2	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Intermittent quartz veins, and with coarse grained pyrite at the margins.	10	0	2	Tr
135.2	141.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed felsic gneiss (g) interlayers. 1-2% pyrite locally with 1% pyrite overall.			1-2	Tr
141.8	144.4	Amphibolite	Grey and Green	Fine-medium	Well Foliated	Same as previous.	5	0	1	1
144.4	145.4	Amphibole Felsic Gneiss	Grey and Green	Coarse Grained	Porphyroblastic	20% medium-coarse grained porphyroblasts of amphibole in felsic matrix, Patchy medium grained pyrite.	10	0	1	Tr
145.4	147.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sulfides associated with bands of biotite.	15	0	1	1
147.4	153.9	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Weakly Foliated	Biotite varies across the unit, intermixed quartz clots with sulfides at their margins.	30	0	1-2	>1
153.9	161.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Sulfides contained predominantly in the biotite felsic gneiss selvages.	10	0	1	Tr
161.1	167.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed pegmatite at the upper contact.	60	5	2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
167.7	173.4	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly Foliated	Patchy blebby pyrite.	15-20	0	1	Tr
173.4	179.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Chlorite alteration at the upper contact. Localized sections of 2-3% pyrrhotite-pyrite.			1	1-2
179.6	185.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed garnet biotite felsic gneiss selvages.	15	1	1	1
185.4	193.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized quartz clots, and chlorite alteration.	55	5	1	1
193.7	195.6	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Patchy medium-coarse grained muscovite.	5	0	>1	Tr
195.6	200.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Patchy coarse grained sulfides associated with garnet biotite felsic gneiss interlayers, and at the margins of quartz veins.	15	0	1	1
200.5	202.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Coarse grained sulfides associated pegmatitic quartz sections.	60	5	1	2
202.3	215.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets, biotite content variable across the unit. Lower contact altered by intruding UMLAMP Dike.	15	0	1	Tr
215.4	221.6	UMLAMP Dike	Black and white	Fine-medium	Massive					
221.6	223.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Upper contact potassically altered.			1	Tr
223.7	226.0	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Sulfides associated with thin bands of biotite.	5	0	>1	>1
226.0	237.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed pegmatite, spider veinlets and minor chlorite alteration.	10	0	>1	>1
237.3	242.0	Altered Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Persvasive sericitic and potassic alteration. 238-238.5m- UMLAMP Dike.	5	0	>1	>1
242.0	246.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed spider veinlets.	10	0	1	Tr
246.5	247.8	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Intermixed quartz-carbonate clots.	5	0	Tr	>1
247.8	249.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed sericite alteration.	10	Tr	Tr	1
249.6	252.9	Pegmatite	Green, orange, and			Felsic gneiss selvages.	2	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
252.9	263.0	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	258m- 15 cm section of medium grained blebby pyrrhotite. 263m - Is the end of the hole.	5	1	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 206	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06/07/2011	Date Completed 08/07/2011	Date Logged July 6-8 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330507
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303624
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.3	Casing								
6.3	24.0	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Intermixed broken/blocky core sections, spider veinlets, and pegmatite intervals.	20	0	1	Tr
24.0	32.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veins, with medium grained blebs of pyrite at their margin.	15	0	1	Tr
32.3	46.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed 2 mica granite layers, and spider veinlets.	5	0	1	Tr
46.1	51.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed pegmatite, spider veinlets with potassic and sericitic alteration.	10-15	0	1	Tr
51.7	56.1	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Abundant sericitic and potassic alteration and quartz-carbonate veins.	10	0	>1	Tr
56.1	59.2	Diabase Dike	Black and white	Fine-medium	Brecciated	Brecciated, quartz-carbonate veins and fault gouge.				
59.2	63.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	>1	Tr
63.0	81.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	1-2% fine grained disseminated, streaky and blebby pyrite.	15-20	Tr	1-2	Tr
81.2	83.7	Amphibolite	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant chlorite alteration. Patchy pyrite associated with bands of chlorite alteration.	5	0	1	Tr
83.7	86.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Intermixed quartz clots and veins and spider veinlets.	15	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
86.5	116.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Unit gradates from 1-2% to 2-3% medium grained pyrrhotite and pyrite and locally coarse grained pyrite-pyrrhotite. Intermixed spider veinlets, and pegmatite intervals.	60	5	1	2
116.6	125.3	Felsic Gneiss (G)	Grey, white and pink	Coarse Grained	Weakly-moderately	Intermixed pegmatite, and quartz clots.	10	0	1	1
125.3	132.0	Biotite Felsic Gneiss	Grey	Fine-medium	Well Foliated	Intermixed quartz veins, and pegmatite intervals. Locally coarse grained pyrite.	55		1	1
132.0	133.3	Felsic Gneiss (s)	Light Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz clots . Locally coarse grained muscovite.	10	0	1	Tr
133.3	158.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	2% overall pyrite-pyrrhotite with 2-3% sections locally. Sulfides are predominantly at the margins of quartz veins/pegmatites and granitic pegmatite intervals. Intermittent felsic gneiss (s) and garnet biotite felsic gneiss interlayers.	15	1	1	1
158.0	162.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Intermixed quartz clots and veins, with sulfides at their margins.	60	5	1	2
162.7	165.4	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed quartz pegmatite sections.	10	0	1	Tr
165.4	196.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed interlayers of amphibole, and porphyroblastic amphibole felsic gneiss. Localized sections of 2-3% of pyrite-pyrrhotite associated with biotite and pegmatite.	15	0	1	1
196.2	206.0	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Patchy porphroblasts of garnet. 206m is the end of the hole.	5	2	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 180	Total Depth (m) 272	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 08/07/2011	Date Completed 11/07/2011	Date Logged July 8-11 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329558
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304033
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	27.3	Casing								
27.3	39.2	Amphibolite	Grey and Green	Fine-medium	Well Foliated	Patchy pyrite-pyrrhotite. Localized spider veinlets and chlorite alteration.	5	0	1	>1
39.2	40.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
40.4	41.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	>1
41.8	44.0	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Same as previous.	5	0	1	>1
44.0	49.0	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Pervasive sericitic alteration and spider veinlets.	5	0	Tr	Tr
49.0	50.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
50.4	54.4	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Locally altered by intruding UMLAMP Dike.	5	0	>1	>1
54.4	62.5	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Same as previous.	5	0	1	1
62.5	73.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized quartz veins, vugs.	5	0	>1	Tr
73.2	76.0	Diabase Dike	Black and white	Fine-medium	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
76.0	85.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Variable biotite content. Patchy pyrite blebs are associated with biotite.	10-15	0	1-2	Tr
85.2	87.5	Felsic Gneiss (S)		Medium Grained		Localized vugs and spider veinlets.	15	0	>1-1	Tr
87.5	89.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	>1
89.6	94.7	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Same as previous.	5	0	1	1
94.7	104.0	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Sulfides associated with biotite.	5	0	1	Tr
104.0	107.9	Altered Biotite Felsic Gneiss	Dark Green	Fine-medium	Moderately Well Foliated	Chlorite altered.			>1-1	>1
107.9	129.3	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized sericite alteration and spider veinlets.	5	0	1	Tr
129.3	132.3	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Chlorite altered.	50	0	1	Tr
132.3	138.3	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Medium grained porphyroblastic amphibole in a felsic matrix. Localized chlorite alteration.	10	0	1	Tr
138.3	139.5	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Intermixed quartz veins.	5	0	>1	Tr
139.5	140.6	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Chlorite altered.	50	0	>1	1
140.6	143.1	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	>1	>1
143.1	159.2	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Localized chlorite alteration.	5	0	>1	>1
159.2	161.5	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly Foliated	Localized interlayers of amphibolite.	5	0	Tr	Tr
161.5	167.3	Diorite	Grey and white	Medium Grained	Weakly Foliated	Medium grained plagioclase and biotite, in a felsic matrix. Intermixed quartz veins.	30	0	1	Tr
167.3	177.9	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Interlayers of granitic felsic gneiss, and quartz veins.	5	0	>1	>1
177.9	190.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Patchy porphyroblasts of garnet, and biotite rich sections. Overall 1% fine grained disseminated pyrrhotite-pyrite, with localized coarse grained clots of pyrrhotite and localized sections of 1-2%.	15-20	1	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
190.7	199.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sulfides associated with the biotite rich sections of the unit. Localized spider veinlets.	15	Tr	1	>1-1
199.1	201.5	Felsic Gneiss (S)	Variable Grey	Medium Grained	Banded	Unit has well developed banding (possibly clasts elongated in S1 direction). Sulfides associated with bands of biotite.	20	0	>1-1	Tr
201.5	206.6	Felsic Gneiss (G)	Grey	Coarse Grained	Moderately Well Foliated	Localized pegmatitic intervals. Sulfides predominantly found with biotite.	5	0	1	1
206.6	209.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Interlayers of garnet biotite felsic gneiss, localized chlorite alteration. Sulfides associated with biotite rich sections.	15	2	>1	Tr
209.1	216.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed pegmatite.	60	5	1	1
216.9	232.8	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Moderately Well Foliated	Intermixed pegmatite, interlayers of garnet biotite felsic gneiss. 217.2, 217.3m coarse veins of pyrrhotite with clots of coarse pyrite.	10	1	1	2
232.8	240.3	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Intermixed quartz veins, and spider veinlets.	10	0	>1	1
240.3	246.6	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Interlayers of diorite, and sericite altered sections.	10	0	>1-1	Tr
246.6	250.2	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized spider veinlets.	30	0	1	Tr
250.2	252.9	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	>1-1	Tr
252.9	269.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	>1-1	Tr
269.6	272.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets. 272m is the EOH.	15	0	>1-1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 200	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 08/07/2011	Date Completed 09/07/2011	Date Logged July 8-9 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330403
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303665
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.8	Casing								
3.8	25.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed quartz veins, 2 mica granite sections. Patchy coarse grained muscovite, sericitic and potassic alteration and pyrite.	5	0	>1	Tr
25.3	48.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Pervasive spider veinlets, and sericitic alteration. 1% pyrite-pyrrhotite overall with 1-2% locally often associated with bands of biotite.			1	>1
48.9	54.9	Diorite	Grey and white	Medium Grained	Massive	Intermixed quartz veins, spider veinlets.	30	0	>1	Tr
54.9	56.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized vugs, spider veinlets. Sulfides associated with bands of biotite.	15	0	1	Tr
56.6	58.9	Pegmatite	Green, orange, and			Sulfides patchy and associated with coarse crystals of biotite.	10	0	>1-1	>1-1
58.9	62.3	Biotite Felsic Gneiss	Grey	Fine Grained	Well Foliated	Localized vugs, quartz clots.	30	0	>1-1	>1-1
62.3	64.2	Diorite	Grey and white	Medium Grained	Massive	Same as previous.	30	0	>1	>1
64.2	69.7	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Patchy muscovite, and biotite rich sections. Pyrite-Pyrrhotite associated with biotite and quartz clots.	10	0	>1-1	>1-1
69.7	71.7	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Well Foliated	Coarse grained blebby and fine grained streaky-schlierem pyrite-pyrrhotite. Intermixed pegmatite intervals.	60	0	2	1
71.7	80.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed pegmatite.	65	5	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
80.9	83.5	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermixed spider veinlets, and pegmatite clots.	3	0	1	Tr
83.5	88.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Locally 2-3% pyrrhotite-pyrite and 2% overall.	65	3	1	2
88.1	96.4	Diorite	Grey and white	Medium Grained	Massive	Same as previous.	30	0	Tr	Tr
96.4	104.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	2-3% overall blebby and schlieren pyrrhotite-pyrite with sections of 3-4% pyrrhotite (97.8m).	65	5	1-2	2
104.8	110.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Sulfides associated with biotite, and localized potassic alteration.	5-7	0	1	>1
110.4	115.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	2% fine grained blebby-disseminated pyrite-pyrrhotite.	60	5	1	1
115.3	123.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Pyrite is in patchy sections. Localized potassic alteration.	5	0	1	Tr
123.7	125.9	Altered Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Chlorite, sercite and potassically altered.	10		>1-1	Tr
125.9	130.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	1-2% overall with 2-3% pyrrhotite-pyrite from 128-130m. Intermixed pegmatitic sections.	5	0	1	1
130.3	137.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed granitic pegmatite clots.	60	5	1	1
137.7	153.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Fine grained disseminated and blebby and patchy coarse grained clots of pyrite-pyrrhotite.	15	0	1	>1-1
153.1	158.4	Diorite	Grey and white	Medium Grained	Massive	Same as previous.	30	0	Tr	Tr
158.4	174.4	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Spider veinlets.	10	0	1	Tr
174.4	178.1	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Patchy pyrrhotite.	5	10	Tr	1
178.1	183.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Very coarse grained garnet porphyroblasts.	65	35	>1	>1
183.5	200.0	Amphibolite	Dark green, black and	Fine-medium	Well Foliated	200m is the end of hole.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 206	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 10/07/2011	Date Completed 11/07/2011	Date Logged July 10-11 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330403 Northing 5303665 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.4	Casing								
3.4	19.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Patchy coarse grained muscovite, localized spider veinlets and felsic gneiss (s) interlayers.	5	0	>1	Tr
19.5	42.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz clots, pegmatite intervals, and spider veinlets.	5-10	0	1	Tr
42.2	46.7	Diorite	Grey and white	Medium Grained	Weakly Foliated	Medium grained plagioclase, quartz and biotite in a felsic matrix.	30	0	>1-1	Tr
46.7	54.3	Felsic Gneiss (S)	Variable Grey	Fine Grained	Well Foliated	Locally 1-2% pyrite-pyrrhotite, with 1% overall. Higher percentage of sulfides associated with biotite rich sections (biotite felsic gneiss interlayers). Intermixed pegmatite.	10-15	0	1	1
54.3	56.0	Pegmatite	Grey and Green			Sulfides associated with coarse grained biotite.	5	0	>1	>1
56.0	67.1	Biotite Felsic Gneiss	Black and grey	Coarse Grained	Moderately well-well	Medium-coarse grained blebby, and fine grained disseminated pyrrhotite-pyrite, 2-3% overall with localized sections of 3-4%. Intermixed pegmatite.	60	>1	1	2
67.1	85.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately well-well	Intermixed clots of granitic pegmatite with coarse blebs of pyrrhotite-pyrite often at their margins.	60	7	1	2
85.0	88.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite.	20	0	>1	1
88.2	93.9	Felsic Gneiss (G)	Black and grey	Coarse Grained	Moderately Well Foliated	Localized coarse grained blebs of pyrrhotite.	15	0	1	1
93.9	96.3	Altered Garnet Biotite Felsic Gneiss	Black and grey	Fine-medium	Well Foliated	Pervasive vugs and leaching, sericite and chlorite alteration.			>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
96.3	107.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sulfides associated with biotite rich sections.	10	0	1	1
107.2	108.5	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Pervasive vugs and epidote.	10	0	Tr	Tr
108.5	114.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed pegmatite.	60	5	1	1
114.6	118.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed pegmatite clots.	15	0	1	Tr
118.4	122.5	Altered Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pervasive sericitic alteration. Localized coarse grained clots of pyrite.	2	0	1	Tr
122.5	125.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Coarse grained clots of pyrite.	5	0	2	Tr
125.8	128.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	Tr
128.0	129.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized sericitic alteration.	60	5	1	>1
129.4	135.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Sulfides associated with pegmatite intervals and biotite.	5	0	>1-1	>1-1
135.2	140.0	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed pegmatite clots.	10	0	>1-1	>1-1
140.0	142.9	Felsic Gneiss (G)	Grey	Coarse Grained	Weakly Foliated	Intermixed pegmatite clots. Sulfides locally "net-textured".	5	0	2	2
142.9	147.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite.	15	0	1	1
147.4	151.4	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	1	Tr
151.4	164.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed biotite rich seams, spider veinlets, chlorite alteration zones.			1	1
164.4	166.0	Altered Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Pervasive sericite alteration.	5	0	>1	>1
166.0	172.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz clots. Interlayers of amphibole.	15	0	1	1
172.6	182.9	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized spider veinlets.	5-10	0	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
182.9	195.6	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Intermixed spider veinlets, localized blebby pyrrhotite.	5	10	Tr	1
195.6	199.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
199.5	206.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Same as previous. 206m is the EOH.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 180	Total Depth (m) 227	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 11/07/2011	Date Completed 13/07/2011	Date Logged July 11-13 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329643
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303953
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	18.6	Casing								
18.6	19.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sulfides associated with bands of biotite.	10	0	>1-1	Tr
19.7	24.5	Amphibolite	Grey and Green	Medium Grained	Moderately Well Foliated	Localized felsic gneiss (s) interlayers, chlorite alteration.	5-10	0	>1	>1
24.5	26.0	Felsic Gneiss (S)	Variable Grey	Fine-medium	Well Foliated	Sulfides associated with bands of biotite. Localized chlorite alteration.	20	0	1	>1
26.0	45.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized biotite rich sections, and spider veinlets.	10	0	>1-1	Tr
45.4	50.4	Felsic Gneiss (C)	Variable Grey	Medium-coarse	Moderately Well Foliated	10% Coarse grained quartz clasts elongated in the S1 direction. Localized chlorite alteration and spider veinlets.	20	0	2	>1
50.4	64.0	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, vugs, and chlorite alteration.	5	0	1	Tr
64.0	68.5	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Moderately Well Foliated	10% coarse grained quartz clasts elongated in the S1 direction. Localized quartz veins, chlorite alteration.	15	Tr	1	1
68.5	70.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pervasive spider veinlets, with sericite alteration haloes.	10	0	>1	Tr
70.8	71.7	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Moderately Well Foliated	Same as previous.	10	1	>1	>1
71.7	74.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized sericite alteration, quartz clots.	10	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
74.6	76.8	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Moderately Well Foliated	Same as previous.	10	Tr	1	>1
76.8	79.5	Biotite Felsic Gneiss	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, and quartz veins.	50	1	1	Tr
79.5	84.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Patchy biotite bands, spider veinlets.	5	0	>1	Tr
84.1	85.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed sillimanite clots, spider veinlets.	10	0	<1	<1
85.1	86.0	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Porphyroblastic medium grained amphibole, and biotite in a felsic matrix.	10	0	>1	Tr
86.0	88.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Sulfides associated with biotite rich sections, intermixed pegmatite clots, and localized vugs and chlorite alteration.	25	2	1	1
88.8	89.9	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Same as previous.	10	0	>1	>1
89.9	91.8	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized spider veinlets, and quartz clots.	15	0	>1	>1
91.8	94.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed granitic pegmatite and quartz clots.	60	5	1	1
94.7	97.2	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Localized spider veinlets. Sulfides associated with biotite.	10	0	>1	>1
97.2	99.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized quartz clots, with sulfides at their margins, and localized chlorite alteration.	60	5	1	1
99.7	102.2	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Quartz clots locally.	10	0	1	1
102.2	109.8	Diorite	Grey	Medium Grained	Massive-weakly	Intermittent quartz vein (104.7-106.5m).	30	0	>1	>1
109.8	120.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Same as previous.	65	5	1	1
120.3	122.3	Altered Felsic Gneiss (S)	Green, orange, and	Medium-coarse	Weakly Foliated	Pervasive spider veinlets, sericite, and potassic alteration.	10	0	>1	Tr
122.3	131.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed pegmatite clots, spider veinlets. Localized coarse grained clots.	60	5	1	1
131.3	135.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Granitic gneiss with minor potassic alteration.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
135.2	136.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Coarse clots of quartz and pegmatite with sulfides at the margin.	65	5	1	1
136.0	143.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Intermixed pegmatite, and spider veinlets.	5	0	>1	Tr
143.6	149.4	Altered Felsic Gneiss (S)	Variable Grey	Fine Grained	Weakly Foliated	Blocky core, sericite alteration, spider veinlets, Localized coarse clots of pyrite.	10	0	>1	>1
149.4	156.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Spider veinlets, quartz clots, and pegmatite clots intermittent through unit.	5	0	Tr	1
156.0	172.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized spider veinlets.	30	0	1	Tr
172.9	193.6	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Intermittent interlayers of felsic gneiss (qp), coarser grained sections, quartz veins and vugs. Sections of 1-2% pyrite associated with biotite and chlorite. 191.4-192.2m - UMLAMP Dike.	10-15	0	1-2	>1-1
193.6	227.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Dark and light green patches of amphibole, with medium-coarse grained porphyroblasts of garnet. Patchy pyrrhotite. 227m is the end of the hole.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 317	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 12/07/2011	Date Completed 15/07/2011	Date Logged July 13-15 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330267
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303972
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.7	Casing								
3.7	5.7	Quartz-Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	Quartz-feldspar porphyry comprised of coarse grained feldspar and quartz crystals in a felsic groundmass. Localized spider veinlets.	15	0	Tr	Tr
5.7	21.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant spider veinlets, localized sections of 1-2% pyrite.	10	0	1	Tr
21.7	24.3	Altered Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Pervasive sericite and chlorite alteration.	10	0	1	Tr
24.3	53.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous. Intermittent quartz veins, and leached sections with chlorite alteration.	10-15	0	1	Tr
53.4	55.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
55.2	57.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Minor pitassic and chlorite alteration from intruding UMLAMP Dike.	10	0	>1	>1
57.3	60.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
60.3	80.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized chlorite sericite and alteration, pegmatite intervals and spider veinlets. 62.8-63.3m - UMLAMP Dike.	10	0	1	Tr
80.7	81.8	Pegmatite	Green, orange, and			Granitic pegmatite.	5	0	>1	Tr
81.8	84.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
84.9	85.8	Pegmatite	Grey, white, and pink			Same and previous.	2	0	Tr	Tr
85.8	87.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	10	0	>1	>1
87.9	89.9	Pegmatite	Green, orange, and			Same as previous.	5	0	>1	>1
89.9	98.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Spider veinlets, localized vugs and epidote crystals within the vugs.	30	0	>1	Tr
98.5	108.4	Pegmatite	Green, orange, and			Same as previous.	5		>1	>1
108.4	113.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous. Intermixed pegmatite.	10	0	>1	>1
113.6	121.5	Pegmatite	Green, orange, and			Patchy coarse grained pyrite-pyrrhotite.	5	0	>1	>1
121.5	132.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent pegmatite, chlorite and epidote altered sections. Patchy pyrite.	10	0	1	Tr
132.7	162.5	Felsic Gneiss (G)	Green, orange, and	Coarse Grained	Moderately Well Foliated	Intermittent chlorite, sericite, potassic alteration, spider veinlets, and pegmatite.	5-10	0	>1	>1
162.5	166.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	1% pyrrhotite overall with 1-2% locally. Spider veinlets with sericite alteration locally.	50	3	Tr	1
166.0	177.6	Altered Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Pervasively sericite and chlorite altered felsic gneiss.			>1	1
177.6	180.9	Felsic Gneiss (G)	Grey and Green	Coarse Grained	Weakly Foliated	Coarse booklets of biotite.	5	0	1	Tr
180.9	196.0	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Sulfides associated with biotite and at the margins of the quartz clots.	10-15	0	1	Tr
196.0	201.5	Felsic Gneiss (G)	Grey and Green	Coarse Grained	Weakly Foliated	Same as previous.	5	0	1	Tr
201.5	203.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Vuggy sections and epidote crystals within the vugs.	30	0	>1	>1
203.0	219.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Intermittent quartz and pegmatite clots.	5	0	>1-1	>1-1
219.1	230.5	Felsic Gneiss (S)	Grey and white	Fine-medium	Moderately Well Foliated	Intermixed quartz clots, with sulfides at their margin.	15	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
230.5	241.2	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Intermixed pegmatite intervals, and spider veinlets with alteration haloes. Patchy 1-2cm spots of biotite.	10	1	>1	>1
241.2	254.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Pervasive spider veinlets, quartz clots chlorite alteration.	15	0	>1	1
254.8	277.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Interlayers of felsic gneiss (s) containing 1-2% pyrite. Abundant spider veinlets with well developed sericite alteration haloes.	30	0	1	Tr
277.5	306.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed unit with a main fine-medium grained felsic gneiss (s) unit with interlayers of diorite and quartz pebble gneiss units. Localized spider veinlets and quartz clots.	10-15	0	1	Tr
306.0	311.9	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Unit has a mottled look with alternating light and dark green patches. Patchy medium grained blebby pyrrhotite.	5	2	Tr	
311.9	316.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous. 316.8m is the end of the hole.	10-15	0	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 441	Bearing of Hole from true North 180	Total Depth (m) 212	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 14/07/2011	Date Completed 15/07/2011	Date Logged July 14-15 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329643
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303953
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	Rock Type	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	15.7	Casing								
15.7	22.4	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Localized epidote crystals in vuggy sections, and minor chlorite alteration. Disseminated and schlieren pyrrhite-pyrite.	5	0	>1-1	1
22.4	25.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized broken\blocky core, and quartz veins.	5	0	<1	<1
25.1	29.0	Amphibolite		Fine Grained		Patchy chlorite alteration and spider veinlets.	5	0	1	1
29.0	42.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	1-2% pyrite locally with 1% overall.	5	0	1-2	Tr
42.0	44.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Localized quartz veins. Sulfides associated with bands of biotite.	15	0	1	Tr
44.0	58.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sulfides associated with patchy biotite.	5	0	>1	Tr
58.7	68.2	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Localized spider veinlets, and chlorite alteration.	5	0	Tr	1
68.2	83.7	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Localized biotite rich sections, and spider veinlets. Pyrite is associated with biotite.	5-10	0	1	Tr
83.7	85.0	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Chlorite altered gneiss.	20	0	1	Tr
85.0	86.8	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Patchy pyrite associated with biotite.	5	0	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
86.8	87.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized quartz clots.	60	3	>1	1
87.8	88.7	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Same as previous.	5	0	>1	>1
88.7	93.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Slight variability in biotite content across the unit.	60	5	1	2
93.8	103.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized sections of intermittent garnet biotite felsic , coarse grained pyrite in sections sections.	20-25	1	1	1
103.2	110.2	Felsic Gneiss (S)	Dark Grey	Coarse Grained	Moderately Well Foliated	Patchy sulfides associated with bands of biotite.	5	0	>1	Tr
110.2	118.1	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained plagioclase and biotite in a fine grained felsic matrix.	30	0	>1	>1
118.1	128.6	Biotite Felsic Gneiss	Variable Grey	Fine-medium	Well Foliated	Localized medium grained blebby pyrrhotite-pyrite. Localized quartz clot, and cm-scale folding.	35	Tr	1	1
128.6	133.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized medium grained blebs if pyrrhotite, chlorite alteration and quartz clots.	15	0	>1-1	1
133.6	135.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermittent quartz clots, and spider veinlets.	60	5	1	1
135.8	144.9	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Localized quartz clots, sericite and chlorite alteration.	10-15	0	1	>1
144.9	147.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized vuggy sections, quartz clots, and spider veinlets.	60	5	1	1
147.4	151.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	>1	>1
151.3	158.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Pyrite-pyrrhotite blebs with the sulfides "inter-twined" , and formed together (pyrrhotite surrounding pyrite).	60	5	1	1-2
158.4	167.2	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly Foliated	Localized quartz clots,	10	0	1	Tr
167.2	169.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed pegmatite clots.	65	5	1	2
169.6	174.4	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Interlayers of garnet biotite felsic gneiss, localized coarse grained clots of pyrite.	20	2	1	1
174.4	176.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Same as previous.	60	5	2	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
176.4	178.1	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed pegmatite.	15	0	1	>1
178.1	183.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Same as previous.	60		1	2
183.8	192.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized vuggy sections, with epidote, pervasive spider veinlets.	15	0	>1	>1
192.3	206.7	Diorite	Grey	Medium Grained	Massive-weakly	Medium plagioclase feldspar and biotite in a felsic groundmass.	30	0	1	Tr
206.7	208.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz clots.	15	0	1	Tr
208.4	212.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. 212m is the end of the hole.	30	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 180	Total Depth (m) 200	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 15/07/2011	Date Completed 17/07/2011	Date Logged July 16-17 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329738
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303899
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	18.4	Casing								
18.4	31.4	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	1% pyrite overall with localized sections of 1-2%. Abundant spider veinlets, patchy garnet porphyroblasts, intermittent quartz veins and vuggy sections.	10-15	Tr	1	Tr
31.4	46.5	2 Mica Granite	White, green and grey	Coarse Grained	Massive-weakly	Granitic felsic gneiss sections with a weak-moderate foliation, interlayrrs of felsic gneiss (s) with coarse grained blebs of pyrite and vugs.	5	0	>1	Tr
46.5	51.5	Biotite Felsic Gneiss	Black and grey	Fine-medium	Well Foliated	Medium-coarse grained blebby and fine grained streaky pyrrhotite. Localized sericite alteration. Lower contact is brecciated by intruding dike.	35-40	0	1	1-2
51.5	56.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
56.4	64.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Interlayers granitic felsic gneiss and pegmatite.	20	Tr	1	Tr
64.2	72.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Medium-coarse blebby and fine grained disseminated and streaky pyrrhotite-pyrite.	60	3	2	2
72.7	74.8	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Well Foliated	10% coarse grained quartz clasts elongated in the S1 direction.	15	0	1	2
74.8	76.1	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Medium grained biotite and porphyroblastic amphibole in a felsic groundmass.	10	0	1	1
76.1	83.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized zones (cm-scale) leached vuggy and altered chlotite altered.	70	3	2	2
83.9	85.3	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized quartz clots with sulfides at their margin.	5	0	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.3	87.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Same as previous.	60	5	1	1
87.2	88.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	Tr	Tr
88.5	90.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets and interlayers of granitic felsic gneiss.	10	0	Tr	Tr
90.7	102.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermittent granitic pegmatite intervals. Sporadic spider veinlets and quartz clots.	60	5	1-2	2
102.6	107.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained plagioclase feldspar, biotite and quartz in a fine grained felsic groundmass.	30	0	>1	Tr
107.3	120.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Streaky and blebby pyrrhotite-pyrite. Intermixed granitic pegmatite clots.	55	5	1	2
120.2	129.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Sulfides associated with interlayers of garnet biotite felsic gneiss.	10	1	>1-1	>1-1
129.2	162.7	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Localized sections of 1-2% pyrite, spider veinlets, and granitic pegmatite intervals.	15	0	1	Tr
162.7	164.8	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	"Hanging wall" amphibolite.	5	0	1	1
164.8	169.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Interlayers of amphibolite (>30 cm), and localized quartz clots.	10	0	1	Tr
169.8	175.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Sulfides associated with biotite.	15	0	1	Tr
175.1	178.3	Amphibolite	Dark\Light green and	Medium-coarse	Weakly-moderately	Localized spider veinlets.	5	3	Tr	>1-1
178.3	181.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained plagioclase feldspar and biotite in a felsic groundmass.	30	0	1	Tr
181.5	184.2	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Same as previous.	533	0	Tr	>1-1
184.2	187.3	UM\LAMP Dike	Black and white	Fine-medium	Massive					
187.3	200.0	Amphibolite	Dark\Light green and	Medium-coarse	Well Foliated	Same as previous. 200m is the end of the hole.	5	5	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 329	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 15/07/2011	Date Completed 18/07/2011	Date Logged July 16-18 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330267 Northing 5303972 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	7.1	Quartz-Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	Subhedral coarse grained quartz and feldspar phenocrysts in a felsic and biotite rich groundmass.	20	0	>1	Tr
7.1	23.0	Felsic Gneiss (S)		Fine Grained		Patchy disseminated pyrite associated with biotite. Localized potassic alteration and spider veinlets.	5-10	0	1	Tr
23.0	31.8	Felsic Gneiss (C)	Variable Grey	Coarse Grained	Moderately Well Foliated	10% coarse grained quartz and siliceous clasts elongated parallel to the S1 direction.	15	0	1-2	Tr
31.8	33.9	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Medium grained biotite and porphyroblastic amphibole in a fine grained felsic groundmass.	10	0	>1	Tr
33.9	83.3	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Localized medium-coarse grained blebby pyrite associated with patchy sections of vugs, potassic, chlorite and sericite alteration.	10	0	2	Tr
83.3	90.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	>1
90.0	96.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets with sericitic and potassic alteration.	15	0	1	Tr
96.8	109.6	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Patchy coarse blebs of pyrrhotite.	5	0	>1-1	1
109.6	115.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous,	5-10	0	Tr	Tr
115.1	126.8	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained plagioclase feldspar, and biotite in a fine grained felsic groundmass. Localized interlayers (~30 cm) of porphyroblastic amphibole felsic gneiss.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
126.8	133.0	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Patchy spider veinlets.	20	0	>1	Tr
133.0	135.0	Amphibolite	Dark\Light Green	Fine-medium	Weakly Foliated	Same as previous.	5	0	Tr	>1
135.0	148.9	Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Intermittent chlorite altered biotite rich sections. Localized clots of granitic pegmatite.	10	0	<1	Tr
148.9	151.9	Pegmatite	Green, orange, and			Granitic pegmatite.	5	0	Tr	Tr
151.9	162.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed granitic pegmatite. Localized spider veinlets with potassic and sericitic alteration.	10		Tr	>1
162.6	164.8	Diorite	Grey and white	Medium Grained	Weakly-moderately	Intermixed quartz veins and spider veinlets.	30	0	Tr	Tr
164.8	168.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed pegmatite and quartz veins. Localized spider veinlets.	15	0	Tr	Tr
168.9	171.2	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Pervasive potassic alteration.	3	0	Tr	Tr
171.2	174.7	UM\LAMP Dike	Black and white	Fine Grained	Massive					
174.7	181.1	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Abundant potassic alteration.	5-10	0	>1	Tr
181.1	187.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, pyrrhotite is associated with bands of biotite.	15	0	Tr	1
187.0	188.7	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Weakly Foliated	Pervasive potassic alteration, and intermixed quartz clasts.	2	0	Tr	Tr
188.7	192.7	UM\LAMP Dike	Black and white	Fine Grained	Massive					
192.7	206.0	Altered Felsic Gneiss (S)	Dark\Light Green	Fine-medium	Well Foliated	Localized biotite rich sections, pervasive chlorite and sericite alteration zones.	20	0	>1-1	1
206.0	209.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, and chlorite alteration. Sulfides are associated with biotite rich sections.	15	0	Tr	Tr
209.8	218.5	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Weakly Foliated	Pervasive spider veinlets, potassic, chlorite and sericite alteration.	10	0	>1-1	Tr
218.5	230.4	Felsic Gneiss (S)	Grey and Green	Fine-medium	Well Foliated	Sulfides associated with bands of biotite. Localized chlorite alteration.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
230.4	238.4	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Broken\blocky core.	10	0	>1	1
238.4	239.9	UMLAMP Dike	Black and white	Fine Grained	Massive					
239.9	244.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed diorite interlayers.	20	1	1	>1
244.5	245.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
245.6	248.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. Potassic alteration.	30	0	>1	>1
248.6	249.7	UMLAMP Dike	Black and white	Fine Grained	Massive					
249.7	266.6	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Intermixed pegmatite clots, and spider veinlets.	15	0	>1	>1-1
266.6	269.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
269.0	279.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	>1
279.5	280.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite.	5	0	>1	>1
280.6	282.6	Pegmatite	Green, orange, and			Granitic pegmatite.	5-10	0	1	Tr
282.6	329.0	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets, chlorite alteration.	15	0	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 180	Total Depth (m) 170	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 17/07/2011	Date Completed 19/07/2011	Date Logged July 18-19 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329738
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303899
					(m) degrees		Datum NAD 83
							Zone 17

From	To	Rock Type	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	15.6	Casing								
15.6	25.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized spider veinlets, and coarse grained blebs of pyrite.	10	0	1	Tr
25.5	28.9	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Localized chlorite alteration.	5-10	0	1	1
28.9	47.1	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Intermittent quartz clots, chlorite alteration, and spider veinlets. Localized sections of 1-2% pyrite.	10-15	0	1-2	Tr
47.1	54.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Quartz clot at lower contact with coarse grained blebs of pyrite.	5	0	Tr	Tr
54.4	66.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized quartz clots, and vuggy sections.	60	5	1	2
66.5	70.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Massive-weakly	Intermixed quartz clots.	2	0	>1	>1
70.4	73.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	15	Tr	>1	>1
73.3	78.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed 2 Mica granite sections.	5	0	Tr	Tr
78.1	84.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized spider veinlets, chlorite alteration and quartz clots.	65	5	1	2
84.1	87.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
87.6	103.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz and granitic pegmatite clots.	30	0	>1	Tr
103.0	105.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and quartz clots.	60	2	1	Tr
105.7	170.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 205	Total Depth (m) 314	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 18/07/2011	Date Completed 21/07/2011	Date Logged July 19-21 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330267
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303972
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.0	Casing								
4.0	9.9	Quartz-Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	Coarse grained quartz, feldspar phenocrysts in a felsuc matrix.	10	0	Tr	Tr
9.9	11.7	Amphibole Felsic Gneiss	Dark green, black and	Fine-medium	Moderately Well Foliated	Localized spider veinlets, with potassic alteration.	10	0	>1	Tr
11.7	33.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized vugs, and spider veinlets.	5-10	0	1	Tr
33.2	36.8	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized quartz clots and spider veinlets.	10	0	Tr	Tr
36.8	82.9	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz veins, spider veinlets with potassic and sericitic alteration. Sulfides are associated with biotite. Intermixed amphibole felsic gneiss layers, and UMLAMP Dike with interlayers.	10	0	1	Tr
82.9	83.9	UMLAMP Dike	Black and white	Fine Grained	Massive					
83.9	93.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized spider veinlets and sections of 1-2% pyrite.	30	0	1-2	Tr
93.5	100.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized sericite and potassic alteration.	5	0	1	Tr
100.1	102.3	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Well Foliated	20% quartz clasts elongated in the S1 direction.	15	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
102.3	114.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, chlorite alteration.	20	0	1-2	Tr
114.4	117.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	>1-1	Tr
117.9	122.6	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Intense potassic alteration around 122m (fluids sourced from small 5 cm UMLAMP Dike).	15	0	1	Tr
122.6	129.2	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. 123.5m - Coarse 2-3 cm wide pyrite blebs at margin of quartz clot\vein.	30	0	>1-1	Tr
129.2	135.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Interlayers of amphibole felsic gneiss, and intermixed spider veinlets.	10	0	1	Tr
135.5	137.1	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Moderately Well Foliated	Medium coarse grained porphyroblasts of amphibole and biotite in a felsic groundmass. Chlorite alteration of the crystals of amphibole.	20	0	>1	Tr
137.1	140.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	15	0	>1	>1
140.7	147.1	Altered Garnet Biotite Felsic Gneiss	Grey and Green	Medium Grained	Massive-weakly	Chlorite altered. 142.4m - Coarse grained pyrite-pyrrhotite vein.	15	2	1	1
147.1	160.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized blebby sections of 1-2% pyrite. Abundant spider veinlets, abundant potassic and sericite alteration. 158-158.5m - Intense potassic alteration.	15	0	1-2	Tr
160.2	164.2	Altered Biotite Felsic Gneiss	Dark\Light green and	Medium Grained	Weakly Foliated	Abundant sericite, potassic, and chlorite alteration. Localized vugs sections with epidote crystals in them.	60	0	1	Tr
164.2	165.5	Diorite	Grey, black and pink	Medium Grained	Moderately Well Foliated	Same as previous.	30	0	1	Tr
165.5	167.4	Altered Biotite Felsic Gneiss	Dark\Light green and	Medium Grained	Moderately Well Foliated	Same as previous.	60	0	>1-1	Tr
167.4	168.3	Diorite	Grey, black and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
168.3	169.8	Biotite Felsic Gneiss	Black	Fine-medium	Moderately Well Foliated	Coarse grained booklets of biotite, with increased sulfides in the sections of coarse grained biotite.	65	0	1	Tr
169.8	178.8	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Abundant potassic, and sericite alteration. Intermixed pegmatite intervals, and spider veinlets.	5-10	0	>1	Tr
178.8	194.6	Biotite Felsic Gneiss	Black and grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and blebby pyrite.	40	0	1	Tr
194.6	196.3	UMLAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
196.3	198.8	K-Altered Felsic Gneiss (S)	Pink	Fine Grained	Weakly Foliated	Broken\blocky core.	1	0	>1	Tr
198.8	200.5	UMLAMP Dike	Green, orange, and	Fine Grained	Massive					
200.5	235.9	Altered Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Pervasive sericite, and potassic alteration. 207.9-208.4m - UMLAMP Dike. Intermixed granitic pegmatite inrervals.	5	0	>1	Tr
235.9	236.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	236.9m- 1x3 cm wide pyrite clot.	65	3	2	1
236.9	245.3	Felsic Gneiss (G)	Light Grey	Coarse Grained	Weakly-moderately	Intermixed granitic pegmatite, and spider veinlets. Pyrite is associated with bands of biotite.	5	0	1	Tr
245.3	254.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Pervasive chlorite alteration. Localized sections of 2-3% thin banded pyrite-pyrrhotite.	40	0	1	1
254.9	261.5	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblast ic	Intermixed spidet veinlets.	10-15	0	1	1
261.5	263.5	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Same as previous.	50	0	1	1
263.5	266.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	intermixed spider veinlets, pegmatite clots.	5	0	1	Tr
266.0	272.2	Altered Felsic Gneiss (S)	Dark green, black and	Fine Grained	Moderately Well Foliated	Pervasive potassic, sericite, and chlorite alteration. Intermittent spider veinlets.	5	0	1-2	Tr
272.2	279.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly foliated	Abundant potassic alteration. 276.7-279m - Intermixed zone, with granitic pegmatite, and UMLAMP Dike interlayers. 277m - 20 cm of granitic pegmatite with 2-3% medium-coarse grained blebby pyrite.	30	0	1	Tr
279.0	280.3	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized spider veinlets.	5	0	>1	Tr
280.3	290.9	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblast ic	Same as previous.	15	0	1	Tr
290.9	292.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections.	10	0	1	Tr
292.9	295.3	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	Tr	>1-1
295.3	296.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
296.6	298.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
298.4	299.4	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous.	5	0	Tr	Tr
299.4	314.0	UMLAMP Dike	Black and white	Fine Grained	Massive	314m is the end of the hole.				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 212	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 19/07/2011	Date Completed 21/07/2011	Date Logged July 20-21 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329839
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303870
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	24.4	Casing								
24.4	36.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Sections of 1-2% fine grained disseminated and coarse grained blebby pyrite-pyrrhotite. Localized quartz veins(some with coarse blebby sulfides at their margin), and spider veinlets.	10-15	0	1-2	>1
36.6	37.6	UMLAMP Dike	Black and white	Fine Grained	Weakly Foliated					
37.6	41.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz clots, biotite rich sections with increased sulfides associated with them.	25	0	1-2	>1
41.3	43.6	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized chlorite alteration and amphibole crystals.	55	0	1	1
43.6	45.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Sulfides associated with biotite.	20	0	1	Tr
45.9	56.2	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Same as previous.	60	0	1	2
56.2	68.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	56.7-58m granitic pegmatite. Localized quartz clots.	10	0	1	>1
68.6	75.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Coarse blebby and fine disseminated pyrrhotite. 68.8m- 1-3 cm pyrrhotite vein. Localized chlorite alteration.	65	5	1	2
75.6	84.4	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy coarse grained muscovite.	5-10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
84.4	94.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized pegmatite intervals and quartz clots. Localized chlorite alteration.	65	5	1	1
94.3	96.1	Felsic Gneiss (G)	Green, orange, and	Coarse Grained	Massive-weakly	Intermixed (40%) granitic pegmatite.	5	0	Tr	Tr
96.1	102.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed granitic pegmatite intervals.	60	3	2	1
102.5	106.8	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized spider veinlets.	30	0	1	Tr
106.8	119.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermittent UMLAMP Dike, and quartz clots at 116m.	60	5	2	1
119.0	121.2	Felsic Gneiss (C)	Grey, white, and pink	Coarse Grained	Banded	5-10% coarse quartz clasts elongated in the S1 direction.	15	0	1	Tr
121.2	128.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized sections of potassic alteration.	5	0	1	Tr
128.2	152.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets with alteration haloes and quartz clots.	15	0	1	Tr
152.5	162.1	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Intermixed spider veinlets, quartz clots, and localized sections of 1-2% pyrite.	10	0	1	Tr
162.1	163.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	162.2m - quartz vein with coarse pyrrhotite blebs.	5	0	Tr	1
163.0	165.9	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Same as previous.	10	0	1	Tr
165.9	204.5	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Abundant spider veinlets.	5	>1-1	Tr	>1
204.5	207.0	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Same as previous.	10	0	>1-1	Tr
207.0	212.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous. 212m is the end of the hole.	5	>1-1	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 200	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 21/07/2011	Date Completed 24/07/2011	Date Logged July 22-24 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329839
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303870
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.3	Casing								
21.3	25.2	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Localized quartz clots, and medium grained pyrrhotite-pyrite blebs.	10	0	>1-1	>1-1
25.2	27.0	Amphibolite	Black and grey	Fine Grained	Well Foliated	3-4% fine grained streaky, and disseminated pyrrhotite-pyrite.	10	0	2	2
27.0	28.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Sulfides associated with bands of biotite.	5	0	>1	Tr
28.5	30.4	Amphibolite	Black and grey	Fine Grained	Well Foliated	Same as previous.	10	0	1	2
30.4	36.2	Felsic Gneiss (S)	Variable Grey	Coarse Grained	Weakly Foliated	Pervasive spider veinlets with well developed sericitic alteration haloes.	10	0	1	Tr
36.2	51.7	Altered Biotite Felsic Gneiss	Black and grey	Medium Grained	Weakly-moderately	Pervasive chlorite alteration. Localized quartz clots and spider veinlets.	45	0	1	2
51.7	52.9	UMLAMP Dike	Black and white	Fine Grained	Massive					
52.9	56.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz veins.	15	0	1	1
56.0	60.2	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized quartz clots, with medium grained blebby pyrrhotite-pyrite at their margins. Localized chlorite alteration.	60	0	1	>1
60.2	65.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Sulfides are in patchy sections, and locally are coarse grained.	69	2-3	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
65.5	68.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Patchy sulfides associated with biotite.	5	0	>1	>1-1
68.2	91.6	Altered Biotite Felsic Gneiss	Black and green	Fine-medium grained	Moderately Well Foliated	Pervasive chlorite alteration, localized quartz clots and spider veinlets. Overall 2-3% blebby-disseminated pyrrhotite-pyrite with localized sections of 3-4%. Sulfides are associated with bands of biotite, and at the margins of quartz clots\veins.	65	0	1	2
91.6	94.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized quartz clots with coarse grained sulfides at their margin.	10	0	1	>1
94.9	99.5	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Localized vuggy sections.	50	0	1	1
99.5	105.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized chlorite alteration.	50	3	2	1
105.6	110.3	Felsic Gneiss (S)	Grey and white	Coarse Grained	Moderately Well Foliated	Localized quartz clots.	10	0	>1	Tr
110.3	128.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	1-2% pyrite-pyrrhotite overall with localized sections of 2-3%, and localized coarse grained clots. Interlayers of felsic gneiss (s), and pegmatite.	55	5	1	1
128.5	131.0	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Banded	Sulfides are associated with thin bands of biotite.	15	1	>1	>1-1
131.0	137.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Localized quartz clots with medium-coarse grained pyrrhotite-pyrite at their margins.	60	5	1	1
137.5	139.0	Pegmatite	Green, orange, and			Sulfides are associated with coarse grained "booklets" of biotite.	5	0	>1	>1
139.0	143.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite clots.	10	0	>1	1
143.7	148.3	Diorite	Grey and white	Medium Grained	Massive-weakly		30	0	>1	Tr
148.3	192.4	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Abundant spider veinlets, localized sections of 1-2% pyrite and interlayers of diorite.	20	0	1	Tr
192.4	200.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Patchy pyrrhotite. 200m is the end of the hole.	5	10	>1	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 180	Total Depth (m) 320	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 21/07/2011	Date Completed 24/07/2011	Date Logged July 22-24 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329991
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304071
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.2	Casing								
13.2	14.0	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Pervasive chlorite alteration. Centimeter scale parasitic folding.	40	0	Tr	Tr
14.0	23.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets and 1-5 mm-scale vugs.	10	0	>1	Tr
23.8	33.8	Altered Felsic Gneiss (S)	Grey and Green	Fine Grained	Moderately Well Foliated	Abundant sericite, chlorite, and epidote alteration. Sulfides associated with biotite.	15-20	0	1	Tr
33.8	34.8	Diorite	Grey and white	Coarse Grained	Massive-weakly	Coarse grained plagioclase and quartz crystals in a felsic groundmass.	30	0	>1	Tr
34.8	35.7	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized vugs.	60	0	>1	Tr
35.7	36.8	Diorite	Grey and white	Coarse Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
36.8	45.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant spider veinlets with well developed sericite and potassic alteration haloes.	10	0	1	Tr
45.6	48.0	Diabase Dike	Black and white	Fine Grained	Massive					
48.0	52.0	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Localized chlorite alteration.	10	0	1-2	Tr
52.0	58.9	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Medium grained porphyroblastic amphibole in a fine grained felsic groundmass.	10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
58.9	62.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	10	0	1	Tr
62.0	64.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Well Foliated	Same as previous.	10	0	Tr	Tr
64.7	120.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized biotite rich sections, vugs, spider veinlets, and quartz clots. 110.2m - Quartz vein with coarse grained blebs of pyrrhorite and pyrite.	10-15	0	1	Tr
120.2	124.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
124.6	138.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant spider veinlets with sericite alteration haloes.	10	0	1	Tr
138.4	139.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
139.6	148.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.			1	Tr
148.3	208.4	Diorite	Grey and White	Medium Grained	Weakly Foliated	Localized spider veinlets.	30	0	>1	Tr
208.4	214.7	Diabase Dike	Black and white	Fine Grained	Massive					
214.7	236.6	Diorite	Grey and white	Medium Grained	Weakly Foliated	Same as previous.	30	0	1	Tr
236.6	240.5	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly Foliated	Localized spider veinlets.	5	0	1	Tr
240.5	245.8	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Localized coarse grained blebby pyrrhotite. Pervasive chlorite alteration.	60	Tr	>1-1	2
245.8	247.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets.	10	Tr	>1	Tr
247.3	249.5	Diabase Dike	Black and white	Fine Grained	Massive					
249.5	254.7	Felsic Gneiss (G)	Grey and white	Coarse Grained	Moderately Well Foliated	Patchy muscovite, quartz veins and spudrr veinlets.	5	0	>1	>1
254.7	259.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed pegmatite clots with coarse sulfides at their margins.	60	5	1	3
259.0	263.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
263.2	264.5	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Intermixed felsic gneiss layers.	10	Tr	>1-1	>1
264.5	265.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz clots.	5	0	>1-1	>1-1
265.6	281.4	Felsic Gneiss (G)	Grey and white	Coarse Grained	Moderately Well Foliated	Abundant porphyroblastic "bundles" of fine grained sillimanite.	5	0	>1	Tr
281.4	287.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized sections of 2-3% pyrrhotite-pyrite.	50	3	1	1
287.0	320.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 180	Total Depth (m) 230	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 24/07/2011	Date Completed 26/07/2011	Date Logged July 24-26 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329991
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304071
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.0	Casing								
13.0	15.9	Amphibole Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Intermittent clasts of felsic gneiss (s) 1 cm x 3 cm. Thin spider veinlets.	10	0	>1	Tr
15.9	28.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intetmittent vugs, and spider veinlets.	10	0	1	Tr
28.3	30.5	Diabase Dike	Black and white	Fine Grained	Massive					
30.5	41.9	Felsic Gneiss (S)	Grey	Very Fine-fine grained	Moderately Well Foliated	Localized leached sections, and spider veinlets.	10	0	1	Tr
41.9	45.1	Diorite	Grey and white	Coarse Grained	Massive	Localized pegmatite intervals, spider veinlets and chlorite alteration.	30	0	>1	Tr
45.1	56.2	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized spider veinlets, and interlayers of amphibolite.	20	0	1	Tr
56.2	65.2	Amphibolite	Black and green	Fine-medium	Well Foliated	Localized spider veinlets.	10	0	>1	>1-1
65.2	100.2	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz veins (80.5m), vugs, chlorite alteration, and spider veinlets. Sulfides associated with biotite. Localized sections of 1-2% pyrite.	20	0	1	>1
100.2	103.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Same as previous.	10	0	>1	>1-1
103.7	116.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant spider veinlets.	15	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
116.7	123.5	Amphibolite	Black and grey	Fine-medium	Well Foliated	Same as previous.	15	0	1	1
123.5	129.4	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Interlayers of amphibolite.	10	0	>1	Tr
129.4	230.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 200	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 24/07/2011	Date Completed 27/07/2011	Date Logged July 25-27 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329942
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303842
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.3	Casing								
21.3	29.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Abundant spider veinlets with potassic, and sericite alteration haloes.	30	0	>1	>1
29.5	30.7	UMLAMP Dike	Black and white	Fine Grained	Massive					
30.7	34.2	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
34.2	37.8	UMLAMP Dike	Black and white	Fine Grained	Massive-weakly					
37.8	39.9	Diorite	Grey, white, and pink	Medium Grained	Weakly-moderately	Same as previous.	30	0	>1	Tr
39.9	41.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
41.3	48.0	Diorite	Grey, white, and pink	Medium Grained	Weakly-moderately	Same as previous.	30	0	1	Tr
48.0	56.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz clots with medium grained sulfides at their margins, with chlorite alteration, and spider veinlets.	15	0	1-2	>1
56.1	61.0	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized coarse blebs of pyrrhotite, and chlorite alteration.	10	0	Tr	>1-1
61.0	64.7	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy pyrite associated with biotite.	5	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
64.7	66.6	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Same as previous.	10	0	1	1
66.6	68.2	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Same as previous.	5	0	>1	Tr
68.2	69.4	Amphibolite	Black and green	Fine Grained	Well Foliated	Same as previous.	10	0	1	1
69.4	77.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	2-3% coarse grained blebby, and disseminated pyrite-pyrrhotite. 69.9m - 10 cm quartz veins with 2-6 cm clots of pyrite-pyrrhotite.	65	3	1-2	2
77.4	84.1	Pegmatite	Green, orange, and			Sulfides located in garnet biotite felsic gneiss selvages.	5	>1-1	>1	>1
84.1	86.2	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
86.2	88.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Same as previous.	60	3	2	1
88.2	93.3	Diorite	Grey and white	Medium Grained	Weakly-moderately	Same as previous.	30	0	>1	Tr
93.3	102.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite intervals (85.6-86m, 86.4-87m). The matrix of the unit is more siliceous at the margins of the granitic pegmatite.	60	5	1	2
102.1	123.1	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse grained	Well Foliated	Patchy blebby and disseminated fine-medium grained pyrite-pyrrhotite. Blebby medium grained pyrrhotite is associated with pegmatite clots, and quartz veins. Intermixed pegmatite and garnet biotite felsic gneiss (119-123.1m) with 1-2% to 2-3% medium-coarse grained blebby pyrrhotite-pyrite.	15-20	2	1	>1-1
123.1	174.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets.	10	0	>1	Tr
174.1	195.4	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Patchy disseminated-blebby pyrrhotite.	10	5	Tr	1
195.4	200.0	Felsic Gneiss (QP)	Grey and white	Coarse Grained	Massive-weakly	Localized spider veinlets. 200m is the end of the hole.	10	0	<1	<1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 451	Bearing of Hole from true North 180	Total Depth (m) 134	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 26/07/2011	Date Completed 10/08/2011	Date Logged July 26-August 10 2	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329986
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304072
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.4	Casing								
9.4	16.5	Amphibolite	Grey and Green	Medium Grained	Well Foliated	Intermixed felsic gneiss (s) interlayers. Pervasive chlorite alteration.	10	0	>1	Tr
16.5	23.8	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Localized vugs, spider veinlets, and potassic alteration. Pyrite is patchy, locally up to 1%.	5	0	>1-1	Tr
23.8	25.6	Diabase Dike	Black and white	Fine Grained	Massive					
25.6	29.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately well-well	Same as previous.	5	0	>1-1	Tr
29.7	56.9	Felsic Gneiss (S)	Variable Grey	Fine-medium grained	Well Foliated	1-2% fine-medium disseminated and blebby pyrite associated with biotite bands (some are chlorite altered). Intermittent quartz veins, vugs and patchy amphibole. Slight textural variation across, gradates from fine grained to medium grained and back.	15	0	1-2	>1
56.9	68.0	Diorite	Grey and white	Coarse Grained	Massive-weakly	Coarse grained plagioclase and quartz in a fine grained felsic groundmass.	30	0	>1	Tr
68.0	76.9	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	2-3% pyrrhotite-pyrite overall, locally with sections of 3-4% net-textured pyrrhotite-pyrite. Abundant chlorite alteration, localized vugs and epidote.	10	0	1	2-3
76.9	85.1	Diorite	Grey and white	Coarse Grained	Massive-weakly	Same as previous. Interlayers (10-20 cm) of amphibolite intermittent throughout the unit.	30	0	>1	Tr
85.1	89.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent spider veinlets.	20	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
89.1	94.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Pervasive potassic, and sericitic alteration.	10	0	>1	>1
94.0	116.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed sections of chlorite alteration, vugs, and medium grained sections.	15	0	>1	Tr
116.0	134.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 191	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 10/08/2011	Date Completed 13/08/2011	Date Logged Aug.10-13 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329942
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303842
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	18.6	Casing								
18.6	35.4	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermittent UMLAMP Dike, brecciated zones and spider veinlets.	30	0	1	Tr
35.4	37.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
37.1	55.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. Localized zones of 2% pyrite. 45.1-45.4m, 47.3-47.8m and 49.9-50.1m UMLAMP Dike.	30	0	1-2	Tr
55.5	58.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized chlorite alteration of the biotite.	15	0	1	Tr
58.4	59.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
59.6	70.1	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Sulfides are associated biotite rich zones. Localized chlorite alteration.	30	Tr	1	Tr-1
70.1	72.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Intermittent quartz with a minor increase of sulfides at their margins. Sulfides are associated with streaky biotite.	5	0	>1-1	Tr
72.5	82.6	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Sporadic spider veinlets, and muscovite. Sulfides are at the margins of biotite crystals.	10-15	0	1	Tr
82.6	84.3	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Same as previous.	5	0	>1-1	Tr
84.3	93.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized sections of 1-2% pyrite and localized potassic alteration.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
93.6	112.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Well Foliated	Fine-medium grained blebby, disseminated and locally streaky pyrite-pyrrhotite. Intermittent clots of granitic pegmatite with increased sulfides within and at the margins of the pegmatite clots. Localized quartz-carbonate veins (no associated sulfides).	40	5	1	1
112.4	119.4	Felsic Gneiss (C)	Green, orange, and	Coarse Grained	Banded	Intermixed granitic pegmatite sections, spider veinlets. Banding is well developed and defined by elongated felsic clasts. Sulfides are slightly spotty.	15	0	>1-1	>1-1
119.4	124.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
124.1	130.2	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Upper contact is potassically altered. Sulfides are associated with bands of biotite.	5	0	>1-1	>1-1
130.2	182.0	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	147.1m- 15 cm quartz vein with 1-2 cm coarse pyrite blebs. 1% fine grained disseminated pyrite overall with sections of 1-2%. 159.3, 161.6m - barren quartz veins.	20	0	1	Tr
182.0	182.8	Amphibolite	Dark\Light green and	Medium Grained	Well Foliated	Localized quartz vein.	5	5	Tr	Tr
182.8	183.9	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Pervasive spider veinlets.	5	0	1	Tr
183.9	191.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	185m - 2 cm clot of pyrrhotite. 191m is the end of the hole.	5	7	Tr	>1-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 180	Total Depth (m) 368	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 11/08/2011	Date Completed 15/08/2011	Date Logged Aug.11-15 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329801
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304100
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	16.3	Casing								
16.3	18.2	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Pyrite-pyrrhotite is associated with bands of biotite. Localized crystals of epidote, spider veinlets.	30	0	1	1
18.2	28.9	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium grained	Moderately Well Foliated	18.9-19.4m - Section of 3-4% pyrite with a 2x10 cm vein at 18.9m and coarse grained blebs of pyrite at 19.4m. Pyrite throughout the rest of the unit is fine grained and disseminated. Localized spider veinlets and patchy muscovite.	15	0	1	Tr-1
28.9	29.9	Diabase Dike	Black	Fine Grained	Massive					
29.9	49.5	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Weakly Foliated	Same as previous.	5	0	>1	Tr
49.5	56.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized sections of 2% pyrite-pyrrhotite, including medium grained blebby pyrite-pyrrhotite. 55m- 60 cm quartz vein.	18	0	1	1
56.2	58.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
58.6	64.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous.	18	0	1	1
64.4	68.8	Altered Biotite Felsic Gneiss	Black and green	Medium Grained	Moderately Well Foliated	Pervasive chlorite alteration.	40	0	1	1
68.8	73.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermittent spider veinlets and potassic alteration.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
73.9	79.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Sulfides associated with biotite.	5	0	1	0
79.4	81.6	Altered Felsic Gneiss (S)	Grey, black and pink	Fine Grained	Moderately Well Foliated	Pervasive spider veinlets, sericitic, and potassic alteration.	15	0	1	Tr
81.6	88.1	Felsic Gneiss (C)	Variable Grey	Medium-coarse	Well Foliated	Intermittent chlorite and epidote alteration, spider veinlets. Felsic clasts are elongated parallel to the S1 foliation.	10-15	0	1	1
88.1	90.5	Amphibolite	Black and green	Fine-medium	Well Foliated	Localized vugs and spider veinlets.	10	0	>1	>1
90.5	95.7	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Sulfides are in mostly in sections with biotite, some of which is chlorite altered.	10	0	2	>1
95.7	104.4	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Well Foliated	Intermittent chlorite alteration of the biotite, and felsic rich silicified bands.	15	0	1-2	Tr
104.4	123.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets, chlorite alteration and vugs. Patchy sections of 1-2% fine grained disseminated pyrite.	25	0	1-2	Tr
123.0	128.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Abundant spider veinlets.	5	0	Tr	Tr
128.2	190.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant spider veinlets. Localized chlorite alteration. Localized sections of 1-2% of pyrite.	10	0	1	Tr
190.6	215.3	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Patchy muscovite. Localized sections of 1-2% pyrite. Unit grades into sections (>1m) with a finer grained texture and slightly more biotite. Slight increase in sulfides in these sections. Abundant spider veinlets with sericitic alteration haloes.	5-10	0	1	Tr
215.3	245.6	Altered Biotite Felsic Gneiss	Dark\Light Green	Fine-medium grained	Moderately Well Foliated	215.3m - 40 cm quartz vein with 2-3 cm x 5 cm veins of pyrite-pyrrhotite in at the margins of the vein. Intermittent chlorite alteration, spider veinlets. Localized sections of 2-3% fine grained streaky-blebby pyrrhotite-pyrite.	40	0	1	1-2
245.6	272.8	Felsic Gneiss (S)	Grey and white	Medium Grained	Well Foliated	#Deleted	15	0	1	Tr
272.8	281.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Fine-medium grained disseminated, streaky, and blebby pyrite-pyrrhotite. Intermittent quartz clots spider veinlets, and localized chlorite alteration.	55	5	1	1
281.8	300.3	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Granitic felsic gneiss interlayers and localized granitic felsic gneiss.	10	Tr	1	Tr
300.3	303.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Localized spider veinlets, and quartz clots.	40	5	1	1
303.0	304.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent quartz clots, and chlorite alteration.	5	0	>1	1
304.8	318.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent quartz veins, and spider veinlets.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
318.4	319.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
319.6	337.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	319.6-325m - Intermixed UMLAMP Dike running parallel to the core axis, and sericite and potassic alteration.	20	0	1	Tr
337.4	346.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Localized spider veinlets.	10	0	1	Tr
346.1	347.4	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Amphibolite interlayer. Sericitic alteration at the upper contact.	5	5	Tr	>1
347.4	358.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	10-30 cm interlayers of amphibolite.	5	1	>1	>1
358.9	368.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Localized spider veinlets. 368m - is the end of the hole.	5	10	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 180	Total Depth (m) 191	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 13/08/2011	Date Completed 16/08/2011	Date Logged August 14-16 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330043
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303834
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	15.2	Casing								
15.2	19.7	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Patchy fine grained disseminated pyrite. Localized spider veinlets.	15	0	1	Tr
19.7	34.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent spider veinlets and chlorite alteration of the biotite.	10	0	1	Tr
34.2	37.5	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Intermittent spider veinlets, chlorite alteration.	5		Tr	1
37.5	38.7	UMLAMP Dike	Dark\Light Green	Fine Grained	Brecciated	Heavily brecciated dike with abundant coarse grained crystals of coarse grained (2-3 cm).				
38.7	41.8	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Brecciated	Heavily brecciated unit, with pervasive quartz-carbonate veins, sericite and potassic alteration.	>1	0	>1	>1
41.8	44.1	Amphibolite	Green	Fine Grained	Well Foliated	Intermittent quartz-carbonate veinlets.	5	0	Tr	1
44.1	50.2	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Brecciated	Same as previous.	>1	0	>1	>1
50.2	54.5	UMLAMP Dike	Black and green	Fine Grained	Brecciated	Same as previous.	2	0		
54.5	55.9	Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Minor chlorite alteration.	5	0	>1	>1
55.9	57.7	Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Localized chlorite alteration.	5	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
57.7	62.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized chlorite alteration.	60	7	1	2
62.1	63.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite.	5	0	1	Tr
63.1	71.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Fine grained disseminated and streaky and localized blebby pyrite-pyrrhotite. Intermittent granitic pegmatite clots.	60	7	1	1-2
71.4	85.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed garnet biotite felsic layers with increased sulfides. Localized potassic alteration and spider veinlets.	30	0	1	Tr
85.3	87.1	Biotite Felsic Gneiss	Black and grey	Fine Grained	Moderately Well Foliated	Localized vugs and chlorite alteration.	60	0	1	Tr
87.1	94.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite clots, and UMLAMP Dike.	60	7	1	2
94.7	95.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
95.5	96.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Same as previous.	60	5	1	1
96.6	97.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
97.3	100.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Same as previous.	60	5	1	1
100.3	108.9	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Banded	Localized chlorite alteration. Coarse pink felsic clasts elongated in the S1 direction.	10	0	1	1
108.9	125.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Coarse grained blebby pyrrhotite-pyrite associated with quartz clots\veins and fine grained disseminated-streaky sulfides within the main unit.	60	5	2	2
125.3	134.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed granitic pegmatite and garnet biotitefelsic gneiss.	10	0	1	1
134.7	135.7	Quartz Vein	White	Coarse Grained	Massive	Massive milky-white quartz vein coarser grained blebby and veins of pyrrhotite-pyrite.	1	0	2	2
135.7	140.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent quartz clots, and biotite rich sections with increased sulfides associated with the biotite sections.	15	0	1	2
140.7	170.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pervasive spider veinlets.	10-15	0	1	Tr
170.8	172.5	UMLAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
172.5	184.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Pervasive spider veinlets.	10-15	0	1	Tr
184.1	191.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Localized spider veinlets. 191m is the end of hole.	5	5	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 180	Total Depth (m) 437	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 15/08/2011	Date Completed 21/08/2011	Date Logged Aug.16-21 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329801 Northing 5304100 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.5	Casing								
13.5	18.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized vugs, with epidote. Patchy disseminated sulfides.	20	0	1	>1
18.7	66.6	Clotty-felsic gneiss Amphibolite	Grey and Green	Medium-coarse grained	Clotty	Amphibolite with abundant biotite, and 15% clots of biotite felsic gneiss ranging from 1 to 15 cm and from rounded to irregular shaped and elongated. Clots have a fine grained "reaction rim" of amphibolite around them. Uppr and lower contact are faulted.	0	Tr	>1	Tr
66.6	70.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Patchy pyrite, and intermittent quartz clots.	5	0	>1	Tr
70.1	76.0	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Chlorite alteration of the biotite, patchy amphibole, and an association of higher sulfides near quartz clots and biotite rich sections.	25	0	2	>1
76.0	85.1	Clotty-felsic gneiss Amphibolite	Grey and Green	Medium-coarse	Clotty	Same as previous.	20	0	>1	Tr
85.1	87.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Same as previous. Intermixed granitic pegmatite.	5	0	>1	Tr
87.5	88.3	Biotite Felsic Gneiss	Grey	Fine Grained	Well Foliated	Minor chlorite alteration.	60	0	1	1
88.3	90.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Sulfides associated with crystals of biotite.	5	0	1	1
90.9	107.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Intermixed clots of granitic pegmatite. Localized vugs, and sections of 1-2% pyrite often associated with biotite.	10	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
107.4	140.9	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Patchy sections of 1-2% fine grained disseminated and blebby pyrite. Localized spider veinlets and vugs.	15	0	1-2	Tr
140.9	143.3	Felsic Gneiss (S)	Grey and white	Medium Grained	Weakly Foliated	Sulfides are associated with biotite.	15	0	1	Tr
143.3	148.7	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Localized sections of 1-2% pyrite.	10	0	1	Tr
148.7	167.9	Altered Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized chlorite and potassic alteration.	50	0	1-2	Tr
167.9	185.1	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized spider veinlets.	30	0	1	Tr
185.1	190.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Localized chlorite alteration.	20	0	1	>1
190.2	194.8	UMLAMP Dike	Black and white	Fine Grained	Massive	30cm section of diabase dike at top of contact.				
194.8	200.0	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized chlorite alteration. Localized sections of 2-3% fine grained blebby-disseminated pyrrhotite-pyrite.	60	0	1	1
200.0	208.6	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Patchy sulfides.	25	0	>1	>1
208.6	210.8	Amphibolite	Black and green	Fine-medium	Well Foliated	Patchy pyrite.	10	0	>1	Tr
210.8	215.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed spider veinlets, sericite and chlorite alteration.	20	0	1	Tr
215.3	237.0	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Minor spider veinlets. Sulfides associated with crystals of biotite.	5	0	1	Tr->1
237.0	243.3	Altered Biotite Felsic Gneiss	Black and green	Medium Grained	Moderately Well Foliated	Pervasive chlorite alteration.	50	0	1	1
243.3	262.7	Amphibolite	Dark\Light Green	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and quartz-carbonate veins.	5	0	>1	Tr
262.7	279.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Intermittent quartz veins, spider veinlets, and biotite rich sections with increased sulfides.	5	0	>1	>1
279.0	285.7	Altered Biotite Felsic Gneiss	Black and green	Medium Grained	Well Foliated	Pervasive chlorite alteration.	50	0	1	Tr
285.7	294.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant spider veinlets, sericite and potassic alteration haloes. Patchy biotite rich sections (~5 cm) with increased pyrite.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
294.7	298.5	Altered Biotite Felsic Gneiss	Grey and Green	Medium Grained	Well Foliated	Pervasive chlorite alteration.	40	0	1	Tr
298.5	306.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Streaky bands of biotite, and intermixed clots of granitic pegmatite.	15	0	1	>1
306.9	309.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Abundant chlorite alteration. Localized sections of 1-2% medium grained blebby pyrite.	40	0	1	Tr
309.9	314.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Localized granitic pegmatite clots, and quartz clots.	5	0	1	Tr
314.4	325.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Patchy muscovite, and localized spider veinlets. Sulfides are associated with biotite.	5	0	1	Tr
325.0	337.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Sections of 1-2% fine grained disseminated and blebby pyrite. Localized chlorite alteration and spider veinlets.	15-20	0	1-2	>1
337.2	340.3	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Blebby pyrrhotite and pyrite associated with intermixed quartz clots, and crystals of biotite.	5	0	>1-1	>1-1
340.3	349.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed quartz clots, spider veinlets, chlorite alteration, and interlayers of felsic gneiss (s).	50	5	1	1
349.1	354.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Spider veinlets, with potassic alteration haloes.	30	0	1	Tr
354.5	357.1	Diabase Dike	Black and white	Fine Grained	Massive	Broken\blocky core.				
357.1	359.7	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	1	Tr
359.7	373.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Sulfides within patchy sections of 1-2%, and in localized fine-medium grained blebs. Sulfides mainly associated with quartz veins\clots and biotite sections. Localized chlorite altered sections (>1m), and spider veinlets.	25	1-2	1	1
373.4	379.4	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Localized interlayers of garnet biotite felsic gneiss.	10	2	1	Tr
379.4	386.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermittent quartz clots.	20	1-2	1	>1
386.0	386.6	Pegmatite	Green, orange, and			Granitic pegmatite with coarse pyrite associated with biotite.	10	0	2-3	Tr
386.6	397.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	20	1	2	Tr
397.9	403.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	402m - 40 cm section of 3-4% coarse grained pyrite and fine grained blebby pyrrhotite. Abundant chlorite alteration. Intermittent quartz clots.	50	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
403.9	406.9	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Spider veinlets.	5	0	1	Tr
406.9	408.3	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Finer grained footwall amphibolite, lacking garnet.	5	0	>1	>1
408.3	418.9	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Abundant spider veinlets. Sulfides associated with biotite sections.	20	0	>1	>1
418.9	420.4	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Sulfides associated with biotite.	5	0	Tr	1
420.4	428.3	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Abundant spider veinlets, quartz clots, and potassic and sericitic alteration.	20	0	1	Tr
428.3	437.0	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Intermittent quartz clots. Patchy muscovite.	5	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 448	Bearing of Hole from true North 180	Total Depth (m) 194	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 16/08/2011	Date Completed 18/08/2011	Date Logged Aug.16-19 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 330043
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303834
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	12.3	Casing								
12.3	16.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized vugs and spider veinlets.	20	0	1	Tr
16.4	17.8	UMLAMP Dike	Black and white	Fine Grained	Massive	Potassically alters the over and underlying felsic gneisses.				
17.8	26.0	Felsic Gneiss (S)	Grey and Green	Medium Grained	Well Foliated	25.8m- 2x3cm coarse clot of pyrite. Localized spider veinlets.	20	0	1	Tr
26.0	34.1	Felsic Gneiss (C)	Grey and white	Medium-coarse	Moderately Well Foliated	10% quartz clasts elongated in the S1 direction.	15	0	1	Tr
34.1	39.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and slight variability in grain size.	10	0	1	Tr
39.0	50.2	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized chlorite alteration, and spider veinlets.	10	0	1	2
50.2	52.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets and sulfides associated with biotite.	5	0	>1-1	Tr
52.4	55.8	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized vugs, and quartz vein (barren).	10		>1	Tr
55.8	59.4	Amphibolite	Grey and Green	Fine Grained	Well Foliated	5% pink siliceous clasts. Localized chlorite alteration.	10	0	1	1
59.4	75.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized spider veinlets, quartz vein, granitic pegmatite clots.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
75.5	88.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Blebbly and streaky pyrrhotite-pyrite. Intermittent granitic pegmatite and quartz clots, some of which have increased sulfides at their margin.	60	5	1	1
88.6	90.8	Felsic Gneiss (G)	Green, orange, and	Coarse Grained	Moderately Well Foliated	Localized spider veinlets, and quartz clots.	5	0	>1	>1
90.8	105.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Coarse blebbly, and fine grained disseminated pyrrhotite-pyrite. Intermittent granitic pegmatite clots and quartz veins with increased sulfides. Localized sections of 3-4% pyrite-pyrrhotite. 98.1, 98.5, and 104.9m - Coarse grained blebs, clots, veins of pyrrhotite-pyrite.	60	5	1	2
105.0	108.4	Felsic Gneiss (C)	Grey and Green	Coarse Grained	Well Foliated	Localized chlorite alteration. 10-15 % pink silicified felsic coarse grained "clasts".	5	0	1	>1
108.4	110.6	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	15	0	>1	Tr
110.6	119.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermittent granitic pegmatite clots. 113m - 2 cm pyrrhotite.	60	5	1	1
119.9	122.2	Pegmatite	Green, orange, and			Minor garnet biotite felsic selvages.			1	1
122.2	128.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermittent granitic pegmatite clots.	60	5	1	1
128.5	132.6	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	129.2m - 2 cm coarse grained pyrite-pyrrhotite clots.	50	0		
132.6	143.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized chlorite alteration.	20	0	1	Tr
143.0	148.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
148.8	183.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets.	20	0	1	Tr
183.2	184.6	Pegmatite	Green, orange, and			Felsic gneiss selvages.	5	0	Tr	Tr
184.6	190.0	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Interlayers of finer-grained felsic gneisses, localized chlorite alteration.	10	0	1	Tr
190.0	194.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Patchy pyrrhotite. 194m - is the end of the hole.	5	5	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 89	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 18/08/2011	Date Completed 19/08/2011	Date Logged August 18-20 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330138
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303798
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.7	Casing								
3.7	17.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized spider veinlets, and barren quartz-carbonate veins.	15	0	1	>1
17.6	31.3	Biotite Felsic Gneiss	Grey	Fine Grained	Moderately Well Foliated	Patchy sections of chlorite alteration, intermittent spider veinlets. Localized sections of 2-3% pyrrhotite-pyrite.	55	0	1	1
31.3	32.7	Quartz Vein	White	Coarse Grained	Massive	Localized coarse grained blebs of pyrrhotite-pyrite.	1	0	>1-1	>1-1
32.7	38.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermittent quartz clots, and localized spider veinlets.	60	5	1	1
38.4	89.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 107	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 19/08/2011	Date Completed 21/08/2011	Date Logged Aug. 20-21 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330138 Northing 5303798 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.4	Casing								
3.4	12.3	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Intermixed layers of felsic gneiss. Localized spider veinlets, and zones of sericite alteration.	5-10	0	>1	>1
12.3	14.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized chlorite alteration. Abundant spider veinlets.	20	0	>1-1	>1-1
14.4	18.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Sulfides associated with the biotite rich and less-altered sections of the unit. Abundant chlorite and sericite alterations, and spider veinlets.	50	>1	1	1
18.9	20.7	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Abundant spider veinlets and sericite alteration.	5	0	>1	Tr
20.7	22.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Minor chlorite alteration, and spider veinlets.	55	3-5	1	1
22.9	33.3	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Sections of 1-2% fine-medium grained disseminated and blebby pyrrhotite. Abundant spider veinlets.	10	0	>1	1
33.3	34.3	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Sulfides are associated with biotite rich sections.	15	0	1	1
34.3	36.4	Pegmatite	Green, orange, and			Sulfides are associated with coarse crystals of biotite.	5	0	>1	>1
36.4	40.7	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Same as previous.	5	0	>1	1
40.7	48.8	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intense potassic, chlorite, and sericite alteration. Localized vugs, and spider veinlets.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
48.8	50.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized crystals of epidote.	60	5	>1	1
50.0	53.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermittent granitic pegmatite and medium-coarse grained pyrrhotite.	5-10	0	>1	1
53.7	55.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Same as previous.	50	5	1	1
55.5	107.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 251	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 21/08/2011	Date Completed 24/08/2011	Date Logged Aug. 22-24 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329994 Northing 5303938 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	7.2	Casing								
7.2	9.7	UMLAMP Dike	Black and white	Fine Grained	Massive	Contact running parallel to the core axis.				
9.7	24.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent quartz clots, vugs, spider veinlets, and sections of sericite alteration.	20	0	1	>1
24.6	32.1	Altered Felsic Gneiss (S)	Pink	Fine Grained	Moderately Well Foliated	Pervasively potassically, and sericitally altered, felsic gneiss. Abundant spider veinlets.	1	0	1	Tr
32.1	103.1	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly foliated	32.1-39m- Pervasive potassic and sericite alteration. Abundant spider veinlets with potassic alteration. 56m, 79.2m - Intermixed UMLAMP Dike. 57.5m- Pervasive potassic alteration.	30	0	1	Tr
103.1	104.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
104.5	122.5	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized chlorite alteration, spider veinlets, and quartz clots.	5-10	0	>1	1-2
122.5	128.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Sulfides associated with biotite, and quartz clots.	10	0	1	1
128.4	137.5	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Pervasive chlorite alteration, intermittent quartz clots, and spider veinlets.	55	0	1	1
137.5	142.6	UMLAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
142.6	151.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Upper contact is potassically altered (till 143.6m). Blebby sulfides are associated with bands of biotite. Abundant spider veinlets.	30	5	1	1
151.0	156.5	UMLAMP Dike	Black and white	Fine Grained	Massive	Selvages of felsic gneiss (s) intermittent throughout center of the dike.				
156.5	194.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Intermixed quartz clots, chlorite, and sericite alteration, spider veinlets, and localized coarse blebby pyrrhotite-pyrite.	50	5	1	1
194.9	196.7	Altered Felsic Gneiss (S)	Dark\Light Green	Fine-medium	Moderately Well Foliated	Pervasively chlorite altered.	15	0	1	Tr
196.7	202.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed spider veinlets.	10	0	1	Tr
202.2	204.2	Felsic Gneiss (S)	Dark\Light Green	Fine-medium	Moderately Well Foliated	Pervasively chlorite alteration.	25	0	>1	1
204.2	242.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed granitic pegmatite, spider veinlets, and sections of potassic alteration.	15	0	1	Tr
242.4	247.8	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Intermixed quartz clots. Localized blebby pyrrhotite.	5	0	>1	1
247.8	251.0	Felsic Gneiss (QP)	Grey	Medium Grained	Weakly Foliated	Localized spider veinlets. 251m is the end of hole.	10	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 179	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 21/08/2011	Date Completed 23/08/2011	Date Logged Aug.22-23 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330241
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303755
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.7	Casing								
3.7	14.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz veins. Abundant spider veinlets, and spider veinlets.	20	0	1-2	Tr
14.3	23.2	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Well Foliated	Intermixed felsic gneiss (s) interlayers.	15	0	1	Tr
23.2	27.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed spider veinlets.	10	0	1	Tr
27.1	30.3	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Localized sections of 2-3% fine-medium grained blebby pyrrhotite. 29.9m- Quartz vein 15 cm with blebby sulfides at the margin.	5	0	1	1
30.3	32.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed amphibolite layers.	15	0	1	1
32.7	36.5	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous.	5	0	1	1
36.5	38.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, and sections of broken\blocky core.	15	0	1	Tr
38.5	39.6	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Overall 1% sulfides with 1-2% locally. Localized chlorite alteration.	5	0	1	>1-1
39.6	43.9	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized spider veinlets, sericite, and potassic alteration.	30	0	1	Tr
43.9	46.3	UM\LAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
46.3	48.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	1	Tr
48.0	50.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	48.9m - 2 cm wide pyrrhotite-pyrite vein. Patchy vuggy sections with epidote crystals.	55	5	>1-1	1-2
50.8	55.3	Pegmatite	Green, orange, and			Intermixed granitic felsic gneiss sections, and small (>10 cm) sections of biotite felsic gneiss.	15	0	1	Tr
55.3	63.7	Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	20% Intermixed granitic pegmatite sections.	55	0	1	1
63.7	66.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections. 63.9m - 2 cm coarse blebs of pyrrhotite and pyrite.	50	5	1	1
66.1	73.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
73.2	76.9	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
76.9	79.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
79.5	83.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermittent spider veinlets, and localized sections of 3-4% sulfides.	60	5	1-2	2
83.4	85.7	Felsic Gneiss (G)	Light Grey	Medium Grained	Moderately Well Foliated	Localized spider and patchy pyrrhotite associated with biotite.	5	0	>1	>1-1
85.7	91.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections, spider veinlets and patchy muscovite.	50	5-7	1	1
91.0	103.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Localized granitic pegmatite sections, coarse blebby pyrite, and potassically altered sections.	5	0	1	>1
103.2	114.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite, localized coarse grained blebs of pyrite-pyrrhotite and sections of 3-4% sulfides.	55	5	1	1
114.5	123.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Patchy coarse grained nests of fine grained sillimanite. Localized vugs, and broken core section.	10	0	1	Tr
123.1	131.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	126.8m- 4x3 cm clot of oyrrotite-pyrite. 130.9m - Coarse blebby pyrrhotite-pyrite. Intermixed granitic pegmatite sections.	40	5	1	1
131.0	140.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz sections.	25	0	1-2	Tr
140.4	144.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
144.8	145.9	UM\LAMP Dike	Black and white	Fine Grained	Massive					
145.9	164.2	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous. Localized granitic pegmatite clots.	15	0	1	Tr
164.2	179.0	Diabase Dike	Black and white	Fine Grained	Massive					

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 215	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 23/08/2011	Date Completed 25/08/2011	Date Logged Aug.24-26 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330241
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303755
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.3	Casing								
6.3	7.4	Quartz Vein	White	Coarse Grained	Massive	Coarse grained blebby pyrite-pyrrhotite at the lower contact of the quartz vein.	1	0	>1	>1
7.4	21.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermittent quartz veins, and spider veinlets.	20	0	1	>1
21.9	23.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
23.5	26.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Same as previous.	15	0	1	>1
26.9	31.1	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Localized chlorite alteration, spider veinlets.	5	0	>1	1
31.1	36.0	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermixed chlorite-altered biotite rich sections.	5	0	1	Tr
36.0	41.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized spider veinlets, and quartz clots.	30	0	1	Tr
41.5	46.5	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Localized sections of 3-4% sulfides. Intermixed granitic pegmatite clots and spider veinlets.	10	0	1	2
46.5	52.6	Biotite Felsic Gneiss	Dark\Light Green	Fine Grained	Well Foliated	Pervasive chlorite alteration and patchy spider veinlets.	55	>1	1	1
52.6	53.8	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Sulfides are associated with biotite.	10	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
53.8	55.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite clots.	60	2	2	1
55.4	62.5	Pegmatite	Green, orange, and			Garnet biotite felsic gneiss selvages, with associated coarse blebby sulfides.	10	0	1	1
62.5	71.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed pegmatite sections, and spider veinlets.	60	5	2	1
71.3	72.4	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed spider veinlets.	5	0	>1	>1
72.4	93.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed spider veinlets, chlorite alteration, and quartz clots.	60	5	2	2
93.3	97.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Intermittent quartz clots.	5	0	>1	Tr
97.5	142.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed quartz clots. Chlorite alteration. Intermixed granitic pegmatite clots with coarse blebby sulfides at their margins.	55	5	2	2
142.4	186.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	20	0	1	Tr
186.0	190.2	Pegmatite	Green, orange, and			Localized selvages of felsic gneiss (s).	5	0	>1	>1
190.2	195.1	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Intermixed granitic pegmatite at upper contact.	10	0	>1	Tr
195.1	197.0	Pegmatite	Green, orange, and			Same as previous.	5	0	Tr	Tr
197.0	198.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	Tr	Tr
198.2	215.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Intermixed spider veinlets. 215m is the end of the hole.	10	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 392	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 24/08/2011	Date Completed 29/08/2011	Date Logged Aug. 25-30 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329598
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304159
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	22.3	Casing								
22.3	27.3	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Intermixed spider veinlets.	5	0	1	Tr
27.3	32.7	Pegmatite	Green, orange, and			Localized coarse grained blebs of pyrite. 31m - 15-20 cm sections of UMLAMP Dike.	5	0	1	Tr
32.7	33.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Broken\blocky core, with several fracture planes.	15	0	1	Tr
33.6	36.3	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Patchy muscovite and sections that are feldspar richer.	10	0	1	Tr
36.3	40.9	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Localized sections of 1-2% pyrite, often associate with increased biotite content.	20	0	1-2	Tr
40.9	46.4	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Patchy coarse nests of fine grained sillimanite.	10	0	>1	Tr
46.4	68.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized sections of 2, 2-3% pyrite, and chlorite alteration.	20	0	1-2	Tr
68.8	69.8	Amphibolite	Grey and Green	Fine-medium	Well Foliated	Intermittent spider veinlets.	5	0	Tr	Tr
69.8	78.9	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Abundant spider veinlets, localized vugs, and quartz clots.	15	0	1	Tr
78.9	83.4	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Abundant spider veinlets and sections of chlorite alteration.	5	0	2	1-2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
83.4	91.1	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Abundant spider veinlets often associated with the patchy sulfides.	15	Tr	1	>1
91.1	102.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant spider veinlets, chlorite.	15	0	1	Tr
102.5	103.9	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	Tr	>1
103.9	105.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	10	0	Tr	Tr
105.8	107.3	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	1	Tr
107.3	113.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy sulfides, spider veinlets, and sericite alteration.	5	0	>1	Tr
113.9	119.2	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Moderately Well Foliated	Abundant spider veinlets.	10	0	>1	Tr
119.2	124.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
124.9	127.6	UM\LAMP Dike	Black and white	Fine Grained	Massive					
127.6	131.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr
131.9	136.7	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Intermixed spider veinlets.	50	0	1	1
136.7	140.6	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Abundant spider veinlets.	5	0	1	Tr
140.6	142.8	Felsic Gneiss (S)		Fine Grained		Same as previous.	5	0	>1	>1
142.8	143.9	Quartz Vein	White	Coarse Grained	Massive	Barren milky white quartz vein.				
143.9	147.6	Felsic Gneiss (S)	Grey	Fine Grained	Weakly Foliated	Same as previous.	5	0	1	Tr
147.6	151.6	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Moderately Well Foliated	Abundant chlorite alteration.	5	0	1	Tr
151.6	158.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
158.1	161.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Pervasive chlorite alteration, and localized sericite alteration.	55	0	1	>1
161.9	164.6	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Patchy chlorite, and spider veinlets.	5	0	>1	1
164.6	166.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Sulfides associated with biotite.	25	0	1	Tr
166.8	192.8	Amphibole Felsic Gneiss	Green	Coarse Grained	Moderately Well Foliated	Intermixed spider veinlets.	10	0	>1	Tr
192.8	194.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Potassic and sericitic alteration at the contacts.	5	0	Tr	Tr
194.6	201.1	Amphibolite	Dark\Light Green	Fine Grained	Weakly Foliated	Localized spider veinlets.	5	0	1	Tr
201.1	208.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets.	15	0	1	Tr
208.4	226.5	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Intermixed spider veinlets ad patchy chlorite alteration.	10	0	Tr	1
226.5	230.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sulfides associated with biotite, and margin of quartz veins.	10	0	1	>1
230.2	231.3	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Abundant chlorite alteration minor, spider veinlets.	45	0	>1	1
231.3	232.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Spider veinlets.	10	0	>1	Tr
232.9	235.6	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Spider veinlets.	5	0	>1	>1
235.6	257.4	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Intermittent quartz vein, chlorite alteration,	15	0	>1-1	>1-1
257.4	258.2	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration.	45	0	1	>1
258.2	260.8	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Minor spider veinlets.	10	0	>1	>1
260.8	265.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Patchy chlorite alteration, spider veinlets. Sections of 3-4% sulfides.	55	5	2	>1-1
265.4	301.4	Felsic Gneiss (S)	Grey, black and pink	Fine-medium	Well Foliated	Localized sericite alteration, patchy garnet, small sections of intermixed garnet biotite felsic gneiss.	25-30	1-2	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
301.4	306.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermittent quartz veins, and quartz clots. Localized chlorite alteration.	50	3-5	1	>1
306.1	308.8	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Abundant chlorite, sericite alteration and spider veinlets.	15	1	>1	>1
308.8	311.3	Pegmatite	Grey, white, and pink			Sulfides associated with patchy biotite crystals.	5	0	>1-1	>1-1
311.3	315.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized siliceous rich and biotite rich sections. Sulfides predominantly in biotite rich sections and at the margins of quartz clots.	15	1	>1-1	>1-1
315.3	317.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	315,6m- 3-4 cm vein, and 1-3 cm coarse blebs of pyrite-pyrrhotite. Localized sections of 3-4% pyrite-pyrrhotite.	55	5	2	1-2
317.4	324.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy coarse grained biotite.	15	0	1	Tr
324.7	325.7	Pegmatite	Grey, white, and pink			Coarse grained biotite booklets.	5	0	>1	>1
325.7	339.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz clots.	15	0	1	Tr
339.4	340.7	Pegmatite	Grey, white, and pink			Coarse grained booklets of biotite.	5	0	Tr	Tr
340.7	358.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Same as previous.	15	0	1	Tr
358.7	362.9	Altered Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Abundant sericitic alteration. Intermittent granitic pegmatite sections.	10	0	>1-1	Tr
362.9	363.9	Quartz Vein	White	Coarse Grained	Porphyroblastic	Barren quartz vein.	0	0	Tr	Tr
363.9	371.4	Felsic Gneiss (S)	Light Grey	Fine-medium	Well Foliated	Intermixed granitic pegmatite clots, and spider veinlets. Sulfides associated with patchy bands of biotite.	5	0	>1	>1
371.4	375.9	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	1-2 cm coarse grained clots ("eyes") of feldspar in the felsic groundmass. Intermixed granitic pegmatite sections.	5	0	Tr	Tr
375.9	378.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed amphibolite, and granitic pegmatite sections.	10	1	>1	>1
378.0	381.2	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Patchy blebs of pyrrhotite associated with garnet porphyroblasts.	5	5	Tr	>1-1
381.2	382.9	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Localized spider veinlets.	10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
382.9	392.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Same as previous. 392m is the end of the hole.	5	5	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 386	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 29/08/2011	Date Completed 03/09/2011	Date Logged Aug.30-Sept.3 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329598
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304159
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.9	Casing								
21.9	24.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Minor spider veinlets.	15	0	>1	Tr
24.3	34.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized spider veinlets, intermixed quartz clots.	5	0	1-2	Tr
34.8	37.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Minor spider veinlets with sericite alteration.	10-15	0	1	Tr
37.6	43.3	Felsic Gneiss (G)	Green, orange, and	Medium-coarse	Moderately Well Foliated	Intermixed clots of granitic pegmatite. Patchy disseminated pyrite associated with bands of biotite.	5	0	>1-1	Tr
43.3	87.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Fine grained disseminated and patchy coarse grained blebby pyrite. Intermixed quartz clots, spider veinlets, and sericitic alteration.	15-20	0	1-2	Tr
87.9	92.9	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized chlorite, sericite, quartz clots and spider veinlets.	5	0	>1-1	>1
92.9	95.6	Amphibole Felsic Gneiss	Grey and Green	Fine-medium	Moderately Well Foliated	Patchy sericite alteration and blocky/broken core.	10	0	1	Tr
95.6	113.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz clots. Broken/blocky core.	15	0	1	Tr
113.6	123.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant spider veinlets.	10	0	1	Tr
123.9	136.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	134m- 30 cm chlorited section with 5-10% fine grained pyrite veins, and disseminated pyrrhotite. 10-20% garnet porphyroblasts in upper 7m the of unit.	45-50	10	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
136.7	147.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant spider veinlets, localized garnet porphyroblasts.	10	1	1	>1
147.1	149.8	Amphibolite	Grey and Green	Medium Grained	Moderately Well Foliated	Same as previous.	10	0	Tr	Tr
149.8	157.1	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Localized vugs, chlorite, sericite, and spider veinlets.	5	0	1	Tr
157.1	157.8	Quartz Vein	White	Coarse Grained	Massive	Quartz vein with sulfides at margins of entrained felsic gneiss.	2	0	>1	>1
157.8	164.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized blebby sulfides and veins, coarse patches of biotite. Intermittent spider veinlets.	60	5	1	2
164.1	192.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets, chlorite alteration, and quartz clots.	10	0	1-2	Tr
192.6	195.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
195.4	203.5	Altered Felsic Gneiss (S)	Grey and Green	Medium Grained	Well Foliated	Pervasive chlorite alteration. Localized medium grained blebby sulfides.	10	0	1	1
203.5	217.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy chlorite alteration.	10	0	1	Tr
217.1	220.6	Felsic Gneiss (S)	Light Grey	Fine Grained	Moderately Well Foliated	Minor spider veinlets. Patchy medium grained blebby pyrite.	5	0	1	Tr
220.6	223.5	Amphibolite	Black and green	Fine Grained	Well Foliated	Pyrrhotite occurs predominantly as fine grained disseminated crystals with localized medium-coarse grained blebs.	5	0	>1-1	1
223.5	244.7	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy fine grained disseminated pyrite, commonly associated with increased biotite. Localized quartz clots, sericite alteration patches, and spider veinlets.	5	0	1	Tr
244.7	258.0	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Abundant spider veinlets, crystals of epidote, and sericite alteration.	10	0	1	Tr
258.0	272.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Intermittent quartz clots, and spider veinlets.	15	0	1	Tr
272.4	277.5	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Minor spider veinlets.	10	0	>1	Tr
277.5	284.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz clots, spider veinlets.	10-15	0	1	1
284.9	292.1	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Intermixed quartz clots with sulfides at their margins, and spider veinlets with alteration haloes.	15	0	>1-1	>1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
292.1	301.8	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized spider veinlets.	15	0	1-2	>1
301.8	315.0	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermittent spider veinlets.	10	0	1	>1
315.0	317.5	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized spider veinlets.	5	0	>1-1	Tr
317.5	323.5	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Abundant chlorite and sericite alteration.	60	0	1	1
323.5	328.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent chlorite altered sections.	20	0	>1	1
328.3	330.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Spider veinlets.	10	0	>1	>1-1
330.5	339.4	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Pervasive chlorite alteration, intermittent spider veinlets, and quartz clots. Localized medium grained blebby sulfides.	55	0	1	1
339.4	361.1	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Intermittent quartz clots with blebby sulfides at their margins, garnet porphyroblasts, granitic pegmatite clots and spider veinlets.	20	2	1	1
361.1	364.1	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed granitic pegmatite at the lower contact.	10	0	>1-1	>1-1
364.1	368.7	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	365m- Intermixed granitic clot (5 cm) with medium grained blebby pyrite.	10	0	>1-1	1
368.7	386.0	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed quartz clots. 386m is the end of the hole.	10	0	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 34	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 03/09/2011	Date Completed 06/09/2011	Date Logged Sept. 4-7 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329598
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304159
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	19.2	Casing								
19.2	30.2	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Numerous spider veinlets. Localized coarse grained pyrite blebs associated with quartz clots.	15	0	1	>1
30.2	33.8	Felsic Gneiss (G)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized spider veinlets. 33.8m is the end of the hole. Drillers lost the hole.	10	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 180	Total Depth (m) 396	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 21/09/2011	Date Completed 26/09/2011	Date Logged Sept. 22-26 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329598 Northing 5304159 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	24.2	Casing								
24.2	26.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, and quartz clots. Pyrite is associated with crystals of biotite.	5	0	1	Tr
26.5	44.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Localized spider veinlets, quartz clots, and potassic alteration.	5-10	0	>1-1	Tr
44.1	55.5	Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately Well Foliated	Patchy quartz clots and veins, and localized chlorite alteration of the biotite.	15	0	1	Tr
55.5	58.4	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Pervasive chlorite alteration.	50	0	1	>1-1
58.4	65.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized spider veinlets.	10	0	1	Tr
65.9	82.4	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Increased sulfides and coarse veins of pyrite 67-70.5m and 78-80m. Slight variability in grain size with the unit going coarse-medium-coarse grained. Increased sulfides are associated with the coarser grained sections.	15	0	2-3	1
82.4	88.3	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Localized mm-scale vugs and veinlets.	10	0	1	Tr
88.3	93.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermittent quartz clots, and veinlets with localized sericite alteration. Pyrite is predominantly found at the margins of the quartz clots and within bands of biotite.	15	0	1	Tr
93.0	95.0	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Pervasive chlorite and sericite alteration. Increased pyrite within the patches of increased garnet.	45	10	1-2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
95.0	98.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Abundant spider veinlets with localized chlorite and sericite alteration. 96.2m - 4mm wide pyrite vein.	10	0	1	Tr
98.1	102.5	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Well Foliated	Abundant chlorite alteration. Increased pyrite found within sections of increased biotite content.	15	0	1-2	Tr
102.5	110.3	Felsic Gneiss (S)	Light Grey	Coarse Grained	Well Foliated	Patchy pyrite is associated with bands of biotite. Localized spider veinlets of sericite alteration.	5	0	>1	Tr
110.3	111.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Abundant spider veinlets with intense potassic and sericitic alteration haloes.	25	0	1	Tr
111.2	116.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Abundant spider veinlets with potassic and sericitic alteration haloes.	30	0	>1	Tr
116.7	136.1	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Abundant spider veinlets with potassic and sericitic alteration. 124-125m - Pervasive potassic alteration.	25	0	>1-1	Tr
136.1	141.3	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Localized vugs.	15	0	>1	Tr
141.3	167.1	Amphibolite	Black and green	Fine Grained	Well Foliated	Localized chlorite alteration, spider veinlets with sericite alteration and quartz clots.	5	0	1	Tr
167.1	171.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Abundant spider veinlets with intense potassic and sericitic alteration haloes.	15	0	>1	Tr
171.8	177.5	Amphibolite	Black and green	Fine Grained	Well Foliated	Localized spider veinlets and epidote crystals.	5	0	>1	Tr
177.5	195.1	Diorite	Grey and Green	Medium Grained	Massive-weakly	Localized spider veinlets, quartz clots and localized potassic alteration.	30	0	>1	Tr
195.1	197.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy chlorite alteration, localized spider veinlets.	20	0	1	Tr
197.8	209.3	Diorite	Grey and white	Medium Grained	Massive-weakly	Patchy chlorite and potassic alteration. Patchy pyrite associated with biotite.	25	0	1	Tr
209.3	214.3	Felsic Gneiss (G)	Dark Grey	Fine Grained	Moderately Well Foliated	Patchy pyrite and spider veinlets.	20	0	1	Tr
214.3	216.7	UMLAMP Dike	Black and white	Fine Grained	Massive					
216.7	222.8	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Alteration sericite and potassic alteration.	15	0	1	Tr
222.8	245.6	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Patchy chlorite and potassic alteration.	10	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
245.6	247.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Minor spider veinlets.	10	0	1	Tr
247.7	276.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermittent sections of chlorite alteration, quartz veins and spider veinlets. Pyrite is commonly found at the margins of biotite crystals.	15	0	1-2	Tr
276.3	278.5	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Abundant chlorite alteration, and localized spider veinlets.	10	0	1	>1
278.5	295.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	294m- 25 cm quartz with medium grained blebby pyrrhotite at its margins. Intermittent 20 cm sections of 40% biotite. No increase in sulfides associated with these sections.	15	0	>1-1	1
295.0	296.1	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Light/dark green patchy appearance, patchy garnet porphyroblasts, and chlorite alteration.	5	2	>1-1	Tr
296.1	315.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Sulfides associated with crystals of biotite. Intermittent spider veinlets of quartz.	10	0	1	>1
315.5	320.9	Diabase Dike	Black and white	Medium Grained	Massive					
320.9	351.0	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized coarse grained blebby sulfides. Intermixed biotite rich sections, quartz clots, and spider veinlets.	10	0	1	Tr
351.0	361.4	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Biotite content variable through unit, with increased sulfides associated with sections of increased biotite.	20	0	1	1
361.4	368.6	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Patchy pyrrhotite, and pyrite, and spider veinlets.	5	2	1	1
368.6	372.6	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermittent quartz veins.	5	0	>1-1	>1-1
372.6	385.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Intermittent quartz veins, and spider veinlets with increased sulfides at their margins.	20	1	>1-1	1
385.9	389.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy chlorite alteration sections.	5	0	>1	Tr
389.7	393.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed barren quartz vein.	10	1	Tr->1	Tr
393.4	395.9	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	395.9m is the end of hole. "Dry" metasediments possibly beyond the Borden Lake zone. Amphibolite in area may be pinching out ?	5	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 180	Total Depth (m) 306	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 26/09/2011	Date Completed 29/09/2011	Date Logged Sept.26-29 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329522
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304116
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.3	Casing								
21.3	50.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets, quartz clots, and vugs.	15	0	1-2	Tr
50.5	51.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy chlorite alteration.	20	0	1	Tr
51.9	70.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz clots, and veins.	15	1	1	Tr
70.1	75.2	Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Patchy chlorite alteration.	50	0	1	>1
75.2	86.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	15	0	1	>1
86.6	90.7	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Intermittent spider veinlets.	10	0	>1	Tr
90.7	105.0	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	15	0	1	Tr
105.0	108.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained plagioclase feldspar and quartz in a fine grained felsic and biotite rich groundmass. Spider veinlets with potassic and sericitic alteration.	30	0	>1	Tr
108.9	119.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed spider veinlets.	20	1	1	>1
119.3	126.7	Amphibole Felsic Gneiss	Black and green	Medium Grained	Porphyroblastic	Intermixed quartz vein, and clots.	10	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
126.7	143.1	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	10	0	>1	>1
143.1	153.2	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy grained muscovite, and quartz veinlets.	5	0	1	Tr
153.2	156.6	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Localized spider veinlets with alteration haloes.	10	1	1	Tr
156.6	164.5	Felsic Gneiss (G)	Light Grey	Coarse Grained	Massive-weakly	Localized quartz spider veinlets with potassic alteration.	5	0	1	Tr
164.5	171.0	Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Pervasive chlorite alteration.	55	0	1	>1
171.0	183.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Spidlet veinlets.	10	0	>1	Tr
183.9	194.1	Altered Garnet Biotite Felsic Gneiss	Dark green, black and	Fine Grained	Well Foliated	Pervasive chlorite alteration, abundant quartz spider veinlets, and an increase in sulfides associated with chlorite. Patchy garnet porphyroblasts.	55	1-2	1	1
194.1	207.2	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz veins, and intermittent biotite rich sections with chlorite alteration.	15	>1	1	1
207.2	217.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained quartz and feldspar crystals in a fine grained biotite and felsic groundmass. Intermittent spider veinlets.	30	0	>1	Tr
217.7	219.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
219.5	227.3	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Locally blebby pyrite-pyrrhotite. Pervasive chlorite alteration.	55	0	>1	1
227.3	229.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Patchy medium grained blebby pyrite. Localized quartz spider veinlets and sericite alteration.	10	0	1	Tr
229.6	230.5	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Same as previous.	55	0	1	>1
230.5	233.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermittent cm-scale biotite rich bands, with increased sulfides associated with bands.	15	1	1	>1
233.8	240.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Spider veinlets.	15	0	1	>1
240.0	241.1	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy coarse grained muscovite.	5	0	>1	>1
241.1	246.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent biotite rich bands with increased sulfides associated with the bands.	25	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
246.1	251.7	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermittent quartz vein, and patchy muscovite.	10	0	>1-1	>1-1
251.7	255.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Localized coarse grained blebby pyrite. Sulfides are associated with bands of biotite and quartz clots. Localized sericitic alteration.	10	0	1-2	>1
255.7	258.9	Felsic Gneiss (G)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy coarse grained muscovite.	2	0	>1	Tr
258.9	261.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy chlorite alteration, and patchy medium grained garnet porphyroblasts.	20	1	>1	>1
261.2	265.3	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Intermittent quartz clots, and patchy medium grained garnet porphyroblasts.	5	1	>1	Tr
265.3	277.0	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Patchy medium-coarse grained blebby sulfides, intermittent quartz veins, and clots.	35	1	1	1
277.0	279.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
279.6	281.1	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Abundant chlorite alteration.	40	0	Tr	Tr
281.1	296.9	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz clots, and coarse grained sections. 290m - Coarse grained pyrite-pyrrhotite blebs along margin of quartz spider veinlet.	15	0	>1-1	>1-1
296.9	305.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. 305.6m - End of hole.	30	0	>1-1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 389	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 29/09/2011	Date Completed 04/10/2011	Date Logged Sept.30-Oct.4 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304119
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	27.6	Casing								
27.6	43.9	Clotty-felsic gneiss Amphibolite	Grey and Green	Fine-medium	Clotty	Coarse grained subangular-subrounded clots of a biotite rich felsic gneiss in fine grained groundmass of amphibole.	15	0	Tr	Tr
43.9	69.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Coarse grained feldspar, quartz, and patchy coarse grained muscovite. Patchy sections fine-medium grained blebby and disseminated pyrite. Pyrite is associated with biotite. Patchy coarse clots of fine grained sillmanite.	5-7	0	1	Tr
69.1	75.5	Amphibolite	Black and green	Medium Grained	Moderately Well Foliated	1-2% medium grained blebby, and fine grained disseminated and schlieren pyrite-pyrrhotite. Location sections (10 cm) of 2-3% pyrite-pyrrhotite.	5	0	1	1
75.5	76.4	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Spotty appearance due to coarse grained biotite crystals in a fine grained felic groundmass.	15	0	>1-1	Tr
76.4	77.5	Amphibolite	Black and green	Medium Grained	Moderately Well Foliated	Patchy prite-pyrrhotite.	5	0	>1	>1
77.5	83.7	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Sulfides are associated with sections of increased biotite. Localized sections with chlorite alteration.	20	0	3	1
83.7	92.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Pyrite locally coarse grained blebby.	15	0	1	Tr
92.2	96.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Pyrite locally coarse grained blebs and fine grained schlieren. Patchy chlorite and sericite alteration.	20	0	3	1
96.3	100.9	Diorite	Grey and white	Coarse Grained	Massive-weakly	Coarse grained plagioclase and quartz crystals in a fine grained biotite and felsic groundmass.	30	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
100.9	108.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Pyrite is coarse grained blebby, and locally fine grained disseminated. 104.8-105.5m - Quartz vein with coarse blebs of pyrite, then 3 x 20 cm sections that is a solid vein of pyrite.	20		3	1
108.0	139.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated		15	0	1	Tr
139.5	140.8	Amphibolite	Black and green	Fine-medium	Moderately Well Foliated	Patchy medium grained blebby pyrrhotite, and localized chlorite alteration.	5	0	Tr	1
140.8	152.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized spider veinlets. Localized sections of 1-2% pyrite.	15	0	1	Tr
152.7	154.8	Amphibolite	Black and green	Fine-medium	Well Foliated	Localized sections of chlorite alteration.	10	0	1	1
154.8	155.9	Felsic Gneiss (S)	Dark Grey	Fine-medium	Well Foliated	Same as previous.	15	0	1	Tr
155.9	157.5	Amphibolite	Black and green	Fine-medium	Well Foliated	Same as previous.	10	0	1	1
157.5	168.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized spider veinlets, and patchy chlorite alteration.	10	0	>1-1	>1-1
168.4	173.5	Amphibolite	Grey and Green	Fine-medium	Well Foliated	Localized quartz spider veinlets.	5-10	0	1	Tr
173.5	182.1	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Abundant sericite and potassic alteration.	20	0	1	Tr
182.1	210.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized quartz clots, chlorite alteration, and vugs. Slight textural variability across unit. Association of pyrite and biotite.	15	0	1-2	Tr
210.6	212.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Sections of 2-3% pyrite-pyrrhotite.	55	0	1-2	1
212.6	215.8	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Patchy quartz spider veinlets with sericitic and potassic alteration.	15	0	1	Tr
215.8	218.9	Amphibolite	Black and green	Fine-medium	Moderately Well Foliated	Patchy vugs and chlorite alteration. Sulfides are associated with crystals of biotite.	10	0	1	1
218.9	223.8	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz veins and spider veinlets. Overall 1% pyrite but with 1-2% sections locally.	15	0	1-2	Tr
223.8	224.8	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Localuzed fine grained schlieren pyrite-pyrhotite.	40	0	1	1
224.8	230.9	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized sections of 1-2% pyrite-pyrrhotite. Intermixed quartz clots, and veins.	25	0	1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
230.9	242.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	5	0	1	Tr
242.6	252.3	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Localized sections of 1-2% pyrite. Intermixed biotite rich sections.	20	0	1	Tr
252.3	257.2	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Localized coarse grained blebs of pyrrhotite.	40	0	>1	1-2
257.2	290.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed spider veinlets. Sections of 1-2% fine grained schlieren and disseminated sulides.	10	0	1	>1-1
290.5	298.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed quartz-feldspar pegmatite sections, and patchy chlorite alteration.	55	5	1	1-2
298.6	305.0	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	298.6-299m - 5-10% coarse grained pyrrhotite veins and coarse blebs with 1-2 % coarse grained pyrite blebs. Intermixed coarse quartz clots. 1% patchy coarse grained muscovite.	15	0	1	3
305.0	306.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed chlorite alteration and patchy garnet porphyroblasts.	40	3	>1-1	>1-1
306.7	314.6	Felsic Gneiss (G)	Grey and white	Coarse Grained	Moderately Well Foliated	Patchy coarse grained muscovite, and coarse grained quartz clots.	5	0	>1	1
314.6	342.5	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Sections of 1-2% pyrite. Intermixed quartz clots, and quartz spider veinlets.	20	0		
342.5	349.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Well Foliated	Intermixed quartz spider veinlets with sericitic alteration haloes.	15	0	>1	Tr
349.6	351.6	Pegmatite	Grey, white, and pink			Granitic pegmatite with selvages of felsic gneiss (s).	2	0	Tr	Tr
351.6	375.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz veins, and veinlets with sericite. Patchy chlorite alteration.	15	Tr	>1	Tr
375.7	379.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Coarse grained quartz clots.	15	0	>1	Tr
379.5	380.4	Pegmatite	Grey, white, and pink			Coarse grained booklets of biotite.	10	0	>1	Tr
380.4	389.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Light and dark green patches.	5	7	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 431	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 04/10/2011	Date Completed 10/10/2011	Date Logged Oct.5-Oct.10 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304119
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	30.2	Casing								
30.2	31.1	Pegmatite	Green, orange, and			Abundant sulfides in selvages of felsic gneiss (s).	10	0	1	>1
31.1	36.7	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Coarse blebs and fine grained schlieren of pyrite and fine isseminated and blebby pyrrhotite. Sulfides are associated biotite rich sections. Localized vugs, and chlorite alteration.	20	0	2	1
36.7	48.6	Pegmatite	Green, orange, and			Patchy pyrite is associated with crystals of biotite and felsic gnriiss selvages.	10	0	1	Tr
48.6	60.4	Clotty-felsic gneiss Amphibolite	Grey and Green	Medium Grained	Clotty	Coarse grained clots of felsic gneiss (s) in a amphibole groundmass. Patchy pyrite and localized vugs.	10	0	1	Tr
60.4	76.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Medium-coarse grained quartz, potasium and plagioclasr feldspar in a fine grained felsic groundmass.	5	0	1	Tr
76.1	81.3	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Patchy chlorite alteration, and quartz clots..	45	0	2	1
81.3	114.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veins. Localized patches of chlorite alteration. Localized coarse grained blebs of pyrite.	15	0	1	Tr
114.8	116.1	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Patchy chlorite alteration.	55	0	1-2	Tr
116.1	119.2	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets. Blebby pyrite is associated with biotite.	10	1	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
119.2	125.5	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Patchy garnet porphyroblasts, and chlorite alteration.	10	2	1	>1-1
125.5	170.6	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly-moderately well foliated	Patchy vugs, spider veinlets, and quartz veins. Patchy pyrite associated with institial biotite between coarse grains of quartz. 147.3,151.6,164.3 m - Coarse grained blebs of pyrite.	15	0	1-2	Tr
170.6	174.9	Amphibolite	Dark\Light Green	Fine-medium	Moderately Well Foliated	Intermixed quartz-carbonate veins.	5	0	>1	>1
174.9	177.3	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	20 cm section of porphyroblastic amphibole felsic gneiss.	10		1	Tr
177.3	180.5	Amphibolite	Dark\Light Green	Medium Grained	Moderately Well Foliated	Pyrite-pyrrhotite associated with thin bands of biotite.	5	0	>1	>1
180.5	199.4	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Localized vugs, and patchy pyrrhotite associated with bands and clots of biotite.	5-10	0	1	Tr
199.4	203.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed spider veinlets, and veins.	30	0	>1	Tr
203.6	204.7	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy blebs of sulfides.	10	0	1	Tr
204.7	216.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets.	30	0	1	Tr
216.0	216.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
216.8	221.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed spider veinlets.	30	0	1	Tr
221.0	242.3	Felsic Gneiss (S)	Dark Grey	Fine-medium	Moderately Well Foliated	Intermixed spider veinlets with potassic and sericitic alteration haloes, patchy chlorite altered sections, and patchy crystals of epidote.	20	0	1	Tr
242.3	262.6	Amphibolite	Green	Medium Grained	Moderately Well Foliated	Sections of 10% biotite with increased sulfides.	5-10	0	1	>1
262.6	267.5	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Spider veinlets. Patchy chlorite alteration. Sections of 1-2% pyrite. Upper contact pervasively sericitic and potassically altered.	10	0	1	Tr
267.5	271.4	Biotite Felsic Gneiss	Black and green	Fine-medium	Well Foliated	Patchy chlorite alteration.	65	0	1	1
271.4	282.9	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized coarse grained pyrite-pyrrhotite. Patchy chlorite alteration.	5-10	0	1	1
282.9	296.2	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Patchy chlorite alteration, and localized quartz spider veinlets.	35	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
296.2	310.2	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Patchy coarse grained muscovite crystals. Localized vugs, and quartz spider veinlets.	15	0	1-2	Tr
310.2	315.7	Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Sections of 1-2% pyrite associated with rich biotite and chlorite alteration. Abundant quartz veinlets.	30	0	1-2	Tr
315.7	320.0	Felsic Gneiss (S)	Grey	Medium-coarse	Well Foliated	Patchy quartz spider veinlets, and chlorite alteration.	15	0	1	Tr
320.0	323.9	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Disseminated pyrite is associated with bands of biotite.	25	0	1-2	Tr
323.9	327.7	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermixed layers of biotite felsic gneiss with increased pyrite.	10	0	>1	Tr
327.7	336.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Patchy coarse grained garnet porphyroblasts, and chlorite altered sections. Increased sulfides at the margins of quartz clots and veins and garnet porphyroblasts.	35	5	1	>1-1
336.5	339.9	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Pervasive chlorite alteration of the biotite. Intermixed quartz spider veinlets.	40	0	>1	>1
339.9	345.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent sections of chlorite altered biotite rich sections with 1-2% sulfides,	20	0	1	>1
345.3	366.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Well developed thick banding defined by alternating felsic rich and biotite rich bands. Increased sulfides associated with biotite bands and garnet porphyroblasts.	45	2-3	1	1
366.4	371.3	Felsic Gneiss (S)	Light Grey	Medium-coarse	Well Foliated	Unit graditates from medium to coarse grained, withy patchy pyrite.	10	0	1	Tr
371.3	375.8	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Well Foliated	Pyrite associated with bands of biotite. Localized sections of 2% pyrite.	35	0	1-2	Tr
375.8	377.9	Felsic Gneiss (S)	Light Grey	Coarse Grained	Well Foliated	Unit comprised of coarse crystals of quartz, and thin bands of biotite associated with pyrite in a fine grained felsic matrix.	5	0	>1	Tr
377.9	391.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy pyrite associated with biotite rich sections, and garnet porphyroblasts. Intermittent quartz veins.	25	1	1	Tr
391.0	393.9	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intetmittent clots of intermixed granitic pegmatite.	15	0	>1	Tr
393.9	397.1	Pegmatite	Green, orange, and			Patchy blebs of sulfides associated with crystals of biotite.	5	0	>1-1	>1-1
397.1	405.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy pyrite is associated with sections of increased biotite content. Intermittent quartz spider veinlets.	10	0	>1	Tr
405.0	406.1	Pegmatite	Green, orange, and			Blebbpy pyrrhotite at the contacts of the granitic pegmatite.	2	0	Tr	>1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
406.1	422.3	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Intermixed quartz veins and clots, and patchy pyrite associated with bands of biotite.	15	0	>1-1	Tr
422.3	431.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Patchy coarse grained pyrrhotite blebs are found at the margins of garnet porphyroblasts.	5	5	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 491	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 10/10/2011	Date Completed 16/10/2011	Date Logged Oct.10-Oct.16 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304119
					(m) degrees		Datum NAD 83
					(m) degrees		Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	21.2	Casing								
21.2	38.2	Clotty-felsic gneiss Amphibolite	Grey and Green	Coarse Grained	Clotty	Coarse grained clots of fine grained felsic gneiss (s). Intermixed quartz spider veinlets. Localized chlorite alteration.	15	0	>1	Tr
38.2	42.3	Felsic Gneiss (S)	Grey and Green	Coarse Grained	Moderately Well Foliated	Pervasive chlorite alteration.	20	0	1	1
42.3	63.1	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Localized potassic alteration and quartz veins. Intermixed coarse grained quartz clasts.	10	0	1-2	Tr
63.1	65.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Localized vugs, and chlorite alteration.	35	0	>1	Tr
65.6	113.6	Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately	Localized vugs, quartz veins, and chlorite alteration. Intermittent sections of coarse grained quartz. Intermixed biotite rich sections.	20	0	1-2	Tr
113.6	116.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized coarse grained pyrite blebs.	55	5	1	1
116.1	149.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	Localized sections of sections well developed cm-scale vugs. Intermixed quartz spider veinlets.	20	0	1	Tr
149.2	152.2	Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Localized chlorite alteration.	55	0	>1	>1
152.2	155.2	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant quartz spider veinlets.	5	0	1	Tr
155.2	165.2	Altered Biotite Felsic Gneiss	Black and grey	Fine-medium	Well Foliated	Abundant chlorite alteration. Intermixed quartz spider veinlets.	55	0	1-2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
165.2	181.2	Amphibole Felsic Gneiss	Grey and Green	Medium-coarse	Porphyroblastic	Localized medium grained blebby pyrite. Intermixed quartz veins.	15	0	>1-1	Tr
181.2	187.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized vugs with fine grained epidote.	30	0	Tr	Tr
187.7	194.9	Biotite Felsic Gneiss	Black and green	Fine-medium	Moderately Well Foliated	Localized blebby pyrite	50	0	1	Tr
194.9	218.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed cm-scale vuggy sections. Localized spider veinlets with sericite and potassic alteration haloes.	15	0	1	Tr
218.4	226.9	Garnet Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Localized of medium-coarse grained blebby pyrite. Localized sections of 1-2% pyrite.	55	2	1	>1
226.9	232.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets.	5-10	0	>1-1	Tr
232.4	234.7	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Patchy chlorite alteration, and quartz spider veinlets.	50	0	1	Tr
234.7	237.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets of sericite alteration haloe.	5-10	0	1	Tr
237.2	246.1	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Patchy chlorite alteration, and quartz spider veinlets.	40	0	1	Tr
246.1	260.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Pyrite blebs are associated with biotite bands.	15	0	1	Tr
260.0	265.9	Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Patchy chlorite alteration. Localized coarse grained pyrite-pyrrhotite.	60	0	2	1
265.9	272.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets.	5-10	0	>1	Tr
272.0	273.8	Biotite Felsic Gneiss	Grey and Green	Fine Grained	Well Foliated	Patchy chlorite alteration.	30	0	1	Tr
273.8	275.9	Diabase Dike	Black and white	Fine Grained	Massive					
275.9	311.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Pyrite associated with patchy biotite rich bands, and quartz veins. Intermixed quartz spider veinlets, which quite pervasive at the lower contact.	15-20	0	1	Tr
311.8	315.8	Biotite Felsic Gneiss	Black and green	Fine-medium	Well Foliated	Intermixed quartz veinlets with sericitic alteration haloes.	40	0	1	Tr
315.8	318.3	Felsic Gneiss (S)	Light Grey	Medium-coarse	Weakly-moderately	Blebby pyrite is associated with crystals biotite.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
318.3	319.5	Biotite Felsic Gneiss	Black and green	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets.	40	0	1	Tr
319.5	323.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets.	10	0	1	Tr
323.6	325.4	Biotite Felsic Gneiss	Black and grey	Fine-medium	Well Foliated	Intermixed quartz spider veinlets.	30	0	>1	Tr
325.4	331.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Patchy coarse grained crystals of muscovite.	5-10	0	>1	Tr
331.7	339.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Patchy blebs of pyrite associated with biotite rich sections. Intermixed potassic and sericitically altered sections.	15	0	Tr	>1
339.4	341.1	Biotite Felsic Gneiss	Black and grey	Medium Grained	Well Foliated	Localized chlorite alteration.	55	0	>1	Tr
341.1	352.7	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Patchy pyrite is associated with bands of biotite.	5-10	0	>1	Tr
352.7	362.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	355.3-355.355.6m - Quartz vein with blebby pyrite.	25	0	1-2	Tr
362.8	368.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Sulfides are associated with coarser grained biotite and the margins of quartz veins.	55	0	1	1
368.6	378.5	Felsic Gneiss (S)	Variable Grey	Fine-medium	Well Foliated	Intermixed spider veinlets, pyrite associated with biotite crystals, and margins of quartz veins.	10	0	1	Tr
378.5	381.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Fine grained schlieren, and fine-medium blebby pyrite-pyrrhotite.	55	5	2	2
381.3	383.7	Altered Biotite Felsic Gneiss	Grey and Green	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration.	55	0	>1	Tr
383.7	400.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermittent quartz spider veinlets, and veins. Sulfides are associated with biotite.	20	0	1	Tr
400.4	402.9	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Medium-coarse amphibole porphyroblasts in a fine grained felsic matrix.	10	0	>1	Tr
402.9	427.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Sulfides are associated with bands of biotite.	20	0	>1	>1
427.4	428.8	Amphibolite	Dark Green	Fine Grained	Well Foliated	Blebby and schlieren pyrite, with localized biotite bands and quartz clots.	5-10	0	1-2	
428.8	470.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermittent quartz veins and quartz spider veinlets, some pyrite at their margin.	25	0	>1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
470.4	473.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Intermixed quartz-carbonate veins.	5	7	Tr	>1
473.0	485.8	Felsic Gneiss (S)	Grey and white	Fine-medium	Well Foliated	Intermixed quartz spider veinlets with sericitic alteration. Intermixed 10 cm sections of footwall amphibolite.	20	0	>1	Tr
485.8	491.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Patchy "mottled" appearance. 491m - is the end of the hole.	5	10	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 368	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 02/11/2011	Date Completed 07/11/2011	Date Logged Nov 2-7, 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329892
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304020
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	30.5	Casing								
30.5	59.0	Felsic Gneiss (S)	Grey	Medium-coarse	Well Foliated	Localized sections of 1-2% fine grained disseminated pyrite. Intermixed quartz veins.	15-20	1	1	Tr
59.0	122.0	Felsic Gneiss (S)	Grey	Medium-coarse grained	Well Foliated	Biotite increases downhole with localized sections of 1-2% disseminated and blebby pyrite and 1% disseminated pyrrhotite associated with sections of 15-20% biotite. Veins with associated sericite alteration throughout zone. 69.2 to 69.5 quartz vein wit	10-15		>1	Tr
122.0	127.9	Felsic Gneiss (S)	Variable Grey	Medium-coarse grained	Well Foliated	122.4 to 122.9 felsic gneiss intermixed with cm sized (2-5cm) quartz veins and finer grained sections of felsic gneiss. 124.4 to 127.9 increase in grain size downhole, coarser grained felsic gneiss with	15-20	1	1-2	<1
127.9	130.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	129.5 to 129.6 quartz vein. 130 to 130.3 fine grained hematite altered felsic gneiss.	15-20		1	Tr
130.3	131.3	UMLAMP Dike	Grey	Fine-medium	Porphyroblastic	Lamp dike is interlayered with altered sedimentary felsic gneiss.	15-20	1	0	0
131.3	138.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated		15-20	1	1	<1
138.1	144.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	141.7 to 144.5 zone of potassic alteration	15-20	1	1	<1
144.5	171.9	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly-moderately well foliated	150.6 to 151.6 sericitization-epidotization alteration, 1-2 % disseminated pyrite. 154.5 4cm sized quartz vein. 160.2 to 160.4 quartz vein. 167 to 169.8 sericitization-epidotization alteration, 1-2% dissemination-blebby pyrite.	15-20		1-2	<1
171.9	174.7	Diorite	Grey, white, and pink	Medium-coarse	Porphyroblastic	Angular 3 to 5mm k-feldspar crystals	10-15		<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
174.7	197.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Local cm scale sections of biotite felsic gneiss with associated disseminated-blebby pyrite. Increasing biotite downhole. 177.6 to 177.8 section of quartz pebble.	15-20	1	1-2	Tr
197.3	199.0	Diorite	Grey, white, and pink	Medium-coarse	Moderately well-well	197.5 to 198.1 section of sericite-epidote alteration	5-10		<1	Tr
199.0	208.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of 2-3cm sized quartz veins and mm scaled veinlets with sericite alteration.	15-20		2-3	1
208.3	208.9	Pegmatite	Dark\Light green and	Coarse-very coarse	Broken		1-2		1-2	Tr
208.9	212.0	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately		15-20	1	1	Tr
212.0	219.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well	Interlayered with 1m felsic gneiss unit (20-25% biotite)	30-35	1	2-3	1-2
219.1	221.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated		15-20		1	Tr
221.5	233.4	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Weakly-moderately	Interlayered with sericite altered felsic gneiss and 10-20cm scaled pegmatite. Sericite alteration increases in garnet biotite gneiss downhole	35-40	2-5	2-5	2-4
233.4	235.4	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Weakly Foliated		10-15	1	<1	Tr
235.4	237.4	UM\LAMP Dike	Dark Grey	Fine-medium	Dike					
237.4	248.3	Altered Felsic Gneiss (S)	Dark green, black and	Medium-coarse	Moderately Well Foliated				1	Tr
248.3	263.1	Altered Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated		30-35	2	2-3	1-2
263.1	290.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well		15-20		1	Tr
290.0	302.0	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Interlayered with fine grained felsic gneiss. Sericite alteration veins and veinlets with associated pyrite and pyrrhotite blebs	15-20		1-2	1
302.0	303.8	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Well Foliated		20-25		1-2	1
303.8	316.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Interlayered sericite altered felsic gneiss	15-20		1	<1
316.1	318.5	Altered Garnet Biotite Felsic Gneiss	Dark green, black and	Fine-medium	Weakly-moderately	Interlayered with approx 20cm scaled felsic gneiss units. Increased pyrite-pyrrhotite associated with altered zones.	25-30	2-5	1-2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
318.5	320.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		15-20		<1	<1
320.6	337.4	Altered Garnet Biotite Felsic Gneiss	Dark green, black and	Fine-medium	Massive-weakly		35-40	10-15	2-4	1-2
337.4	359.9	Amphibolite	Dark\Light green and	Medium Grained	Weakly-moderately	Interlayered with 20 cm scaled sections of altered garnet biotite gneiss, sections decrease downhole	10-15	5-10	1-2	Tr
359.9	362.8	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well		15-20	0	Tr	Tr
362.8	368.0	Amphibolite	Dark\Light green and	Medium Grained	Moderately well-well	EOH	10-15	5-10		

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 371	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 03/11/2011	Date Completed 07/11/2011	Date Logged Nov.4-8 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331004
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303518
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.5	Casing								
6.5	9.3	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets with potassic alteration.	15	0	1-2	Tr
9.3	13.6	Diorite	Grey and white	Medium Grained	Massive-weakly	Medium grained plagioclase and biotite in a felsic groundmass. Pyrite is associated with biotite.	30	0	1	Tr
13.6	18.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized potassic alteration.	15	0	1-2	Tr
18.4	33.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed quartz veins.	30	0	>1-1	Tr
33.5	41.0	Felsic Gneiss (S)	Grey and white	Coarse Grained	Weakly-moderately	Pyrite is associated with quartz clots and bands of biotite.	10	0	1-2	Tr
41.0	63.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized sections of vugs, quartz spider veinlets with potassic alteration. 49m- Fine grained chalcopryrite along margin of quartz vein.	20	0	1-2	Tr
63.5	67.8	Quartz-Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	Unit is comprised of coarse grained euhedral phenocrysts of plagioclase, and medihm-coarse subhedral quartz-eyes phenocrysts in a fine grained biotite and felsic groundmass.	20	0	>1	Tr
67.8	83.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spidet veinlets and cm-scale intrusions of diorite.	15	0	1	Tr
83.1	94.0	Amphibolite	Black and green	Fine Grained	Well Foliated	Pervasive sericitic alteration from quartz-carbonate vein from 86.7-90.7m. Patchy fine-medium grained blebby pyrite.	5-10	0	>1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
94.0	96.8	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Patchy pyrite and sections of potassic alteration haloes around quartz veins and veinlets.	5	0	1	Tr
96.8	102.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermittent quartz veins.	30	0	>1	Tr
102.0	106.9	Diabase Dike	Black and white	Fine Grained	Massive					
106.9	115.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized vuggy sections, spider veinlets with sericitic and potassic alteration haloes. Localized sections of 2-3% disseminated pyrite.	10	0	1-2	Tr
115.7	117.2	Diabase Dike	Black and white	Fine Grained	Massive					
117.2	118.5	Felsic Gneiss (S)	Grey and white	Coarse Grained	Moderately Well Foliated	Coarse grained quartz and feldspar in a fine grained biotite and felsic groundmass. Pyrite is associated with crystals of biotite.	20	0	1	Tr
118.5	124.3	Altered Biotite Felsic Gneiss	Grey and Green	Fine-medium	Well Foliated	Localized sections of 1-2% pyrite-pyrrhotite. Localized sections with quartz spider veinlets. Abundant chlorite alteration.	35	0	1	>1-1
124.3	131.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent quartz spider veinlets.	15	0	1	Tr
131.7	136.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Well Foliated	Sections of thick banded coarse blebby pyrite-pyrrhotite (132.5, 136m). Unit contains thick silicified bands. Sulfides increased in sections of chlorite alteration and increased biotite content.	15	2	2	1
136.4	142.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed spider veinlets. Pyrite is associated with biotite.	15	0	1	Tr
142.0	145.2	Felsic Gneiss (S)	Light Grey	Coarse Grained	Well Foliated	Intermittent cm-scale sections of granitic pegmatite.	10	0	1	Tr
145.2	155.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Sections of increased pyrite are associated with biotite rich sections. Intermixed quartz spider veinlets with potassic and seticitic alteration haloes. Localized quartz veins with sulfides at their margin.	20	1	1-2	>1
155.2	157.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed potassic alteration zones.	30	0	>1	Tr
157.7	158.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intetmittent cm-scale clots of granitic pegmatite.	20	0	1	Tr
158.9	160.1	Diorite	Grey and white	Medium Grained	Moderately Well Foliated	Same as previous.	30	0	>1	Tr
160.1	164.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed sections of granitic pegmatite. Pyrite is associated with crystals of biotite.	20	0	1	Tr
164.4	170.2	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. Cubic pyrite.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
170.2	177.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	15	0	1	Tr
177.0	180.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous. Intermittent potassic alteration.	30	0	1	Tr
180.5	187.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated		10	0	1	Tr
187.2	198.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed sections of granitic pegmatite. Disseminted and blebby pyrite is associated with quartz clots and biotite. Sulfides increase to 1-2% in the last 3m of the unit.	5	0	1	Tr
198.3	202.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed 1m quartz vein with coarse blebs of pyrite-pyrrhotite within it and at the margin. Localized coarse grained blebs of pyrite-pyrrhotite.	40	1-2	1	2
202.8	207.3	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Intermittent quartz clots, veins, and granitic pegmatite sections. Pyrrhotite-pyrite associated with crystals of biotite. Localized medium-coarse grained blebs of pyrrhotite-pyrite.	10	0	>1-1	1
207.3	216.6	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	2-3% fine grained disseminated, schlieren, blebby and veinlets of pyrrhotite-pyrite. Abundant chlorite alteration. Localized coarse veins of pyrrhotite.	45	>1	1	2
216.6	221.3	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly-moderately	Intermixed sections of biotite felsic gneiss, quartz veins and granitic pegmatite.	15	0	1	1
221.3	223.2	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Same as previous.	45	Tr	1	2
223.2	227.1	Felsic Gneiss (S)	Light Grey	Coarse Grained	Weakly-moderately	Same as previous.	15	0	1	1
227.1	240.0	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Same as previous. Localized sections of 3-4% pyrrhotite-pyrite.	50	0	1	2
240.0	245.8	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	3-4% blebby, schlieren and dissminated pyrrhotite-pyrite. Localized chlorite alteration.	55	3	2	2
245.8	249.2	Pegmatite	Green, orange, and			Localized blebby pyrrhotite associated with felsic gneiss selvages and biotite.	5	0	>1	1
249.2	300.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse grained	Moderately Well Foliated	Intermittent granitic pegmatite sections with garnet biotite felsic gneiss selvages. Localized quartz veins with Coarse blebs of pyrrhotite-pyrite. Localized 10 cm sections of coarse net textured pyrrhotite-pyrite.	45	5	2	2
300.3	302.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
302.8	335.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	305m - 20 cm quartz vein, brecciated with interstitial chlorite, and 3-4 cm coarse blebs of pyrrhotite. Localized chlorite alteration sections with medium-coarse blebs of pyrrhotite.	10	0	1	1
335.6	344.3	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Dissminated, blebby and schlieren fine-grained pyrrhotite. Brecciated sections with institial chlorite between clasts.	10	5	Tr	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
344.3	350.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Pyrrhotite associated with coarse grained biotite.	15	0	Tr	>1-1
350.4	371.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Patchy blebby pyrrhotite. Intermixed quartz veins. 371m is the end of the hole.	5	7	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 398	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 08/11/2011	Date Completed 13/11/2011	Date Logged Nov 8-13, 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 329892
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304020
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	27.0	Casing								
27.0	145.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Localized sections (5cm scaled) of altered garnet biotite gneiss downhole. Sericite alteration and quartz veinlets around 1-2 cm scale, increases downhole.	20-25	<1	2-4	<1
145.6	184.5	Diabase Dike	Dark Grey	Fine-medium	Massive	Localized sections of fine to medium grained pyrite <1%. 5-10 plagioclase phenocrysts.			<1%	
184.5	186.9	Felsic Gneiss (C)	Black, grey, green, light pink	Medium-coarse	Weakly-moderately		15-20		<1	<1
186.9	191.8	Diabase Dike	Dark Grey - Black	Fine Grained	Massive					
191.8	217.8	Felsic Gneiss (C)	Grey	Medium-coarse	Weakly-moderately		15-20		1-3	1
217.8	218.9	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Weakly Foliated		40		2-5	1
218.9	228.5	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately		10-15		1-3	1
228.5	229.7	Altered Biotite Felsic Gneiss	Dark Grey and Green	Fine-medium	Well Foliated		25-30		3-4	1
229.7	233.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated		10-15		1-2	Tr
233.1	236.5	Garnet Biotite Felsic Gneiss	Grey, white, and pink	Fine-medium	Well Foliated		30-35	1-2	2-5	1-2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
236.5	239.6	Altered Garnet Biotite Felsic Gneiss		Medium-coarse	Well Foliated		35-40	2-5	2-5	1-3
239.6	243.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Localized zones of biotite felsic gneiss	15-20	1	3-5	2-3
243.1	244.8	Biotite Felsic Gneiss	Grey and white	Medium Grained	Moderately well-well		35-40	1	1-3	1-2
244.8	284.3	Felsic Gneiss (S)	Grey and white	Fine-medium	Moderately well-well	Localized zones of altered felsic gneiss (sericite and talc alteration) an biotite felsic gneiss.	35-40	1-2	2-5	1-3
284.3	290.5	Diorite	Grey, white and pink	Medium-coarse	Weak to moderate	Localized zones of sericite altered veinlets and potassic alteration.			1	<1
290.5	300.2	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Localized zones of veinlets with sericite alteration.	15-20		1-3	<1
300.2	301.5	Pegmatite	Grey, white, and pink	Medium-coarse	Brecciated		5-10		1-2	1
301.5	306.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		15-20		1	1
306.9	307.8	Diabase Dike	Black	Fine Grained	Massive					
307.8	320.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	314-314.9 grind, not recovered	15-20			
320.1	320.9	Diabase Dike	Black	Fine-medium	Massive					
320.9	341.2	Felsic Gneiss (S)	Grey and Green	Medium-coarse	Moderately well-well	20-30cm zones of amphibolite, presence of veinlets with sericite alteration downhole.	35-40	1	1-2	<1
341.2	381.0	Amphibolite	Black and grey	Fine-medium	Well Foliated	Zones of intermixed sedimentary felsic gneiss, and cm scaled quartz veins.	5	5-10	1-3	2-4
381.0	384.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately well-well	increasing sericite alteration veinlets downhole.	10-15	0	2-3	1-2
384.9	398.0	Amphibolite	Dark grey and green	Medium grained	Well foliated	Local zones of sericite alteration, <1% pyrite. End of hole		10-15	<1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 205	Total Depth (m) 155	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08/11/2011	Date Completed 09/11/2011	Date Logged Nov.9-10 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330806
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303219
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.7	Casing								
9.7	56.5	Felsic Gneiss (C)	Variable Grey	Coarse Grained	Well Foliated	Localized medium-coarse grained blebs of pyrrhotite-pyrite. Intermixed quartz veins, and granitic pegmatite sections. 20% coarse grained elongated felsic clasts, and cobbles stretched and flatten parallel to the foliation.	15	0	>1-1	>1-1
56.5	110.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed sections of fine-grained felsic gneiss (s) selvages with increased sulfides. Abundant potassic alteration and quartz veins and spider veinlets.	30	0	1-2	Tr
110.0	122.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veins with blebby sulfides, and spider veinlets.	15	0	1	>1
122.0	155.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed spider veinlets, and localized potassic alteration.	30	0	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 205	Total Depth (m) 407	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 10/11/2011	Date Completed 15/11/2011	Date Logged Nov.11-16 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331111
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303370
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.3	Casing								
6.3	19.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent quartz clots, veins, spider veinlets, vugs and epidote cystals within the vugs. Overall fine grained disseminated pyrite with patchy medium grained blebs of pyrite-pyrrhotite.	15	>1-1	1	>1
19.1	22.9	Altered Felsic Gneiss (S)	Pink	Fine Grained	Moderately Well Foliated	Pervasive potassic alteration and localized sericitic alteration. Sections of broken-blocky core.	1	0	>1	Tr
22.9	28.4	Felsic Gneiss (S)		Fine Grained	Well Foliated	Intermixed quartz spider veinlets, and localized medium grained blebby pyrite associated with coarse crystals of biotite.	10	0	1	Tr
28.4	76.0	Diorite	Grey and white	Fine-medium	Massive-weakly	35m- Coarse grained blebs of pyrite associated with quartz clots, and coarse grained biotite.	30	0	1	Tr
76.0	89.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz veins, and granitic pegmatite sections. Intermixed quartz spider veinlets.	5-10	0	1	Tr
89.5	113.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Medium grained patchy blebs and fine grained disseminated pyrite. Intermixed granitic pegmatite sections and cm-scale UMLAMP Dikes.	10	0	1	Tr
113.1	136.6	Felsic Gneiss (S)	Variable Grey	Medium Grained	Well Foliated	Intermittent sections of granitic pegmatite, quartz veins, spider veinlets. Patchy disseminated pyrite associated with biotite.	15	0	1	Tr
136.6	145.0	Felsic Gneiss (S)	Dark Grey	Fine-medium	Well Foliated	Intermixed granitic pegmatite sections, and quartz veins with medium grained blebby pyrite.	20	1	1-2	Tr
145.0	163.3	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed sections of granitic pegmatite, felsic gneiss (s), with increased pyrite-pyrrhotite associated with biotite.	15	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
163.3	168.8	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Intermixed 10-30 cm sections of granitic pegmatite with coarse grained blebs of pyrite-pyrrhotite.	30	0	2	1
168.8	190.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately well-well	Intermixed granitic pegmatite and garnet biotite felsic gneiss sections. 186-190.6m- 3-4% coarse blebby-net-textured pyrrhotite-pyrite.	15-20	0	1-2	1-2
190.6	201.9	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Well Foliated	Intermixed granitic pegmatite sections. Patchy coarse grained muscovite.	35	3	1	1
201.9	205.6	Quartz-Feldspar Porphyry (QFP)	Grey, white, and pink	Coarse Grained	Porphyritic	Coarse grained quartz-feldspar phenocrysts of in a fine grained felsic-biotite groundmass.	10	0	>1	Tr
205.6	217.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Intermixed granitic pegmatite and quartz clots.	30	2	1	1
217.3	222.4	Pegmatite	Green, orange, and			Localized garnet biotite felsic gneiss selvages with 1% sulfides within them.	5	>1	>1	>1
222.4	226.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Localized coarse grained garnet porphyroblasts, and chlorite alteration.	35	7	1	1
226.2	230.4	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	10	Tr	1
230.4	244.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Biotite content variable across the unit. Intermixed quartz spider veinlets.	30	5	1	1
244.8	247.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
247.0	258.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed sections of amphibolite. 253.8m - 1.5 x 4 cm vein of pyrrhotite. Intermixed quartz clots and spider veinlets, and abundant medium-coarse grained garnet porphyroblasts.	35	15	>1-1	2
258.1	259.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
259.6	261.5	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Localized blebby sulfides at the margin of clots granitic pegmatite, and quartz. Intermixed quartz spider veinlets.	40	0	>1-1	>1-1
261.5	263.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
263.8	281.0	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Localized medium-coarse grained blebby sulfides at the margin of quartz veins, clots and grainic pegmatite sections. 277.5m - 30 cm quartz vein with a 3 x 3 cm and a 1.5 x 4 cm bleb of pyrrhotite.	40	0	>1-1	>1-1
281.0	285.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
285.6	298.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Patchy coarse nests of fine grained sillimanite, localized quartz veins and quartz spider veinlets.	40	5	>1-1	>1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
298.4	301.4	UM\LAMP Dike	Black and white	Fine Grained	Massive					
301.4	328.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized sections of granitic pegmatite, with medium-coarse grained blebs of pyrrhotite.	40	3	1	1
328.2	338.1	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Coarse phenocrysts of quartz and plagioclase in a felsic and fine grained biotite groundmass.	20	0	>1	Tr
338.1	350.4	Biotite Felsic Gneiss	Grey	Fine Grained	Well Foliated	Intermixed quartz veins with fine grained disseminated and blebby pyrrhotite.	45	0	>1	1
350.4	363.1	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Intermixed QFP sections, and quartz spider veinlets.	20	0	>1	>1
363.1	380.2	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Unit is intermittent several quartz veins and clits ranging from 5-20 cm with blebby pyrrhotite and lesser pyrite at the margins of the clots and veins.	25	0	>1-1	>1-1
380.2	383.9	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed quartz veins and veinlets.	10	0	>1	>1
383.9	407.0	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Fine grained unit with spotty sulfides.	15	0	Tr->1	Tr->1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 180	Total Depth (m) 431	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 14/11/2011	Date Completed 20/11/2011	Date Logged Nov 14-20, 2011	Logged By Gabrielle Hosein		(m) degrees	Property Name Borden Lake	Easting 329892
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304020
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	24.0	Casing								
24.0	52.3	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated	Localized zone of chloritic-talc alteration 36.6-37.	15-20	0	2-5	1
52.3	68.4	Amphibole Felsic Gneiss	Green, dark grey	Medium-coarse grained	Weakly-moderately well foliated	Amphibole felsic gneiss interlayered with sedimentary felsic gneiss. Local sericite and potassic alteration. Presence of cm scaled quartz veins. 1-3% disseminated and clotty pyrite. Tr to <1% pyrrhotite.	5-10	0	1-3	<1
68.4	89.4	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Well Foliated		25-30	0	2-4	1-3
89.4	109.3	Altered Felsic Gneiss (G)	Green and dark grey	Fine-medium grained	Well Foliated	Altered felsic gneiss interlayered with sedimentary felsic gneiss. Presence of sericite and potassic alteration. 2-3% disseminated and clotty pyrite and 1-2% disseminated pyrrhotite	15-20	0	2-3	1-2
109.3	133.1	Diabase Dike	Black	Fine Grained	Massive	Diabase dike contains both fine and coarse grained disseminated 1% pyrite and <1% pyrrhotite.			1	<1
133.1	154.4	Diorite	Grey, white, and pink	Medium-coarse	Weakly-moderately	Diorite with medium to coarse grained feldspar phenocrysts. Presence of potassic alteration. <1 % disseminated pyrite and trace pyrrhotite	5-10		<1	Tr
154.4	157.7	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately		10-15		1-2	1
157.7	158.7	Altered Felsic Gneiss (S)	Dark Grey and green	Medium Grained	Moderately well-well		<10	0	1	<1
158.7	175.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Felsic gneiss with localized sericite alteration veinlets.	10-15		2-4	<1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
175.9	178.5	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Weakly-moderately		35-40	3-5	3-6	1-2
178.5	190.6	Felsic Gneiss (S)	Variable Grey and	Medium Grained	Weakly Foliated	Sedimentary Felsic gneiss interlayered with local zones sericite altered felsic gneiss. Presence of epidote 1-2 within altered zones.	15-20	0	2-4	1-3
190.6	194.7	Felsic Gneiss (C)	Grey	Medium Grained	Weakly-moderately well foliated	Medium to coarse grained granitic felsic gneiss comprised of biotite, quartz and plagioclase feldspar. 2-5% disseminated and blebby pyrite and 1-2% fine grained disseminated pyrrhotite	15-20	0	2-5	1-2
194.7	248.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Grey felsic gneiss with localized zones of chloritic-sericite alteration.	15-20	0	1-3	1
248.0	250.9	Amphibole Felsic Gneiss	Grey and dark green	Medium-coarse grained	Well Foliated	Dark green-grey amphibole felsic gneiss consisting of 15-20% biotite and 20-25% porphyroblastic amphibole. Contains <1% disseminated pyrite and trace disseminated pyrrhotite.	15-20	0	<1	Tr
250.9	255.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Grey felsic gneiss unit interlayered with a section of amphibole felsic gneiss (253.2 to 254.1).	15-20	0	1-2	
255.7	260.4	Amphibole Felsic Gneiss	Grey and dark green	Medium-coarse	Moderately well-well	Grey-dark green amphibole felsic gneiss, moderate-well foliated, contains 20-25% porphyroblastic amphibole crystals and 1-2% disseminated pyrite., no visible pyrrhotite.	10-15	0	1-2	
260.4	285.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Grey felsic gneiss unit interlayered with a sections of grey to dark green amphibole felsic gneiss. Unit contains 1-3% disseminated and blebby medium grained pyrite.	10-15	0	1-3	
285.2	288.3	Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Weakly-moderately well foliated	Dark grey biotite felsic gneiss containing 25-30% biotite. Unit contains 1-2% fine to medium grained disseminated and streaky pyrite and <1-1% fine grained disseminated pyrrhotite	25-30	0	1-2	<1-1
288.3	294.9	Altered Felsic Gneiss (S)	Grey and Green	Medium Grained	Moderately well-well	Grey-green sericite altered sedimentary felsic gneiss. Contains 1-3% pyrite and <1% pyrrhotite.	10-15	0	1-3	<1
294.9	302.0	Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Dark grey biotite felsic gneiss interlayered with felsic gneiss and altered biotite felsic gneiss. Unit contains 2-3% medium to coarse grained disseminated and clotty pyrite, and 1-2% medium grained disseminated and clotty pyrrhotite.	25-30	0	2-3	1-2
302.0	304.1	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		10-15	0	1-2	<1
304.1	305.7	Garnet Biotite Felsic Gneiss	Dark green, dark grey	Medium Grained	Well Foliated		30-35	3-5	1-2	<1 -1
305.7	311.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		10-15	1-2	1-2	<1-1
311.6	316.0	Amphibole Felsic Gneiss	Dark Grey and green	Medium Grained	Well Foliated		2-5		Tr	Tr
316.0	323.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10-15	0	1-3	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
323.9	328.4	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately well-well		30-35	3-5	1-3	1
328.4	332.0	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		15-20		1-2	<1
332.0	336.9	Felsic Gneiss (C)	Grey green and pink	Coarse-very coarse	Weakly Foliated		5		1	<1
336.9	340.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately		10-15	2-5	1-2	<1
340.6	344.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		10-15		1-2	<1
344.6	346.3	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey garnet biotite felsic gneiss consisting 30-35% biotite and 2-5% garnet. Unit contains 1-3% disseminated and streaky pyrite and <1% pyrrhotite.	30-35	2-5	1-3	<1
346.3	351.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well		15-20		1-3	Tr
351.9	354.8	UM\LAMP Dike	Grey	Fine-medium	Dike					
354.8	358.2	Altered Felsic Gneiss (S)	Grey, Green and pink	Medium Grained	Well Foliated	Grey green and pink, sericite and potassic altered felsic gneiss. Unit contains 2-4% fine to medium grained disseminated pyrite.	15-20		2-4	Tr
358.2	411.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Grey felsic gneiss consisting of 15-20% biotite and minor sericite alteration veinlets. Unit contains 1-2% pyrite and <1 pyrrhotite. 1 cm pyrrhotite vein at 400.8m	15-20		1-2	<1
411.4	414.5	Amphibolite	Grey, Green and pink	Medium Grained	Well Foliated		1-2	2-5	<1-1	
414.5	416.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well		15-20			
416.1	417.3	Amphibolite	Dark Grey,black	Medium Grained	Well Foliated	Dark grey, black and dark green, well foliated and medium grained amphibolite. Unit contains <1% disseminated fine to medium grained pyrite and no visible pyrrhotite.		5-10		
417.3	424.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained, moderately to well foliated felsic gneiss consisting 10-15% biotite. Unit contains <1% medium grained disseminated pyrite.	10-15	0	Tr	Tr
424.6	425.8	Pegmatite	Grey green white and	Coarse-very coarse		Grey, green, white and pink pegmatite interlayered with medium grained felsic gneiss. Unit contains trace to <1 pyrite and no visible pyrrhotite.	15		Tr - <1	0
425.8	431.3	Amphibolite	Dark Grey, black dark	Medium Grained	Weak to moderate	Dark Grey, black dark green and pink medium grained, weak to moderately foliated amphibolite. Unit contains Tr fine-medium grained disseminated pyrite. End of hole.		5-10	Tr	0

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 205	Total Depth (m) 293	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 15/11/2011	Date Completed 18/11/2011	Date Logged Nov.16-19 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331111 Northing 5303370 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	10.2	Casing								
10.2	35.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets with sericite and potassic alteration haloes and veins, vugs with epidote and pyrite,	15	0	1	Tr
35.4	41.8	K-Altered Felsic Gneiss (S)	Pink	Fine Grained	Weakly Foliated	Section of pervasive potassically altered felsic gneiss (s).	1	0	Tr	Tr
41.8	54.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets with potassic alteration haloes.	20	0	1-2	Tr
54.0	58.5	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets with potassic alteration haloes.	30	0	>1-1	Tr
58.5	63.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	15	0	1-2	Tr
63.7	86.4	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets with potassic alteration.	30	0	1	Tr
86.4	103.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz veins and veinlets, and granitic pegmatite sections. Localized 10 cm sections of 1-2% pyrite.	10	0	1	Tr
103.3	126.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	patchy muscovite and medium grained "nests" of fine grained sillimanite. Patchy pyrite. Intermixed quartz veins, with medium-coarse grained blebs.	5-10	0	1	Tr
126.2	165.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Medium-coarse grained blebby pyrrhotite-pyrite associated with quartz clots and veins, and with fine grained disseminated pyrite-pyrrhotite consistent throughout the unit.	5-10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
165.0	200.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Coarse-medium blebby and fine grained disseminated and schlieren. 15-20% Intermixed granitic pegmatite sections with coarse booklets of biotite and selvages of biotite felsic gneiss. Coarse blebby sulfides are often associated with the sections of pegmat	30-35	Tr	1	1
200.6	209.7	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Patchy potassic alteration, and quartz veins.	5-10	0	1	Tr
209.7	236.1	Garnet Biotite Felsic Gneiss	Variable Grey	Coarse Grained	Well Foliated	Unit comprised of a coarse grained garnet biotite felsic gneiss intermittent within granitic pegmatite sections. Localized sections of 2-3% sulfides with 3-4% 209.7-220m. Sulfides range from medium-coarse grained blebby, banded, and veins to fine grained	55	5	2	2
236.1	238.7	Pegmatite	Green, orange, and			Patchy pyrite-pyrrhotite in selvages.	5	0	>1	>1
238.7	242.1	Felsic Gneiss (S)	Grey and white	Medium Grained	Well Foliated	Intermixed QFP sections.	25	0	>1	>1
242.1	246.7	Amphibolite	Dark green, black and	Fine Grained	Well Foliated	242.3m - Coarse grained clot of pyrrhotite.	5	3	Tr	1
246.7	248.0	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz clots.	5	1	Tr	Tr
248.0	282.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Coarse grained clots of pyrrhotite at 263.6, and 265m.	7	10	Tr	1
282.0	285.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Patchy pyrite.	20	0	>1-1	Tr
285.7	287.2	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Coarse clots of pyrrhotite in a quartz vein 287m.	5	5	Tr	1
287.2	288.9	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Same as previous.	20	0	Tr	Tr
288.9	293.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 205	Total Depth (m) 353	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 18/11/2011	Date Completed 21/11/2011	Date Logged Nov. 19-22 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331176
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303306
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.4	Casing								
6.4	19.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed granitic pegmatite, and vuggy sections.	30	0	1	Tr
19.9	33.8	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Massive-weakly	Intermixed granitic pegmatite, and quartz veins. Patchy pyrite is associated with crystals of biotite and margins of quartz clots.	10	0	>1-1	Tr
33.8	44.6	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz clots. Pyrite-pyrrhotite is associated with bands of biotite.	15	0	1	Tr->1
44.6	71.6	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly-moderately	Intermixed sections of potassic alteration, broken-blocky core, patchy muscovite and granitic pegmatite.	5-10	0	1	Tr
71.6	90.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Fine-medium grained disseminated, schlieren, and blebby pyrite. Increased pyrite within bands of biotite, and chlorite-epidote alteration zones.	40	0	2	Tr
90.6	93.1	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Intermixed cm-scale clots of granitic pegmatite.	15	0	1	Tr
93.1	96.5	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Massive-weakly	Localized potassic alteration.	10	0	>1-1	Tr
96.5	114.5	Altered Biotite Felsic Gneiss	Variable Grey	Fine Grained	Well Foliated	Abundant chlorite, sericite, and potassic alteration. Intermixed quartz spider veinlets.	45	0	2	>1
114.5	122.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed quartz veins and granitic pegmatite. Coarse blebby and fine grained disseminated pyrite-pyrrhotite.	50	3-5	2	1
122.2	154.1	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Well Foliated	Localized coarse grained blebs of pyrite-pyrrhotite. Patchy muscovite and sections of granitic pegmatite.	10	0	2	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
154.1	160.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections and spider veinlets.	15	0	1	>1
160.2	169.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	169m- 30 cm of 3-4% coarse net-textured pyrite. Intermixed sections of granitic pegmatite.	5-10	0	1	Tr
169.8	176.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Intermixed quartz clots and spider veinlets.	40	7	2	1
176.7	184.9	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Intermixed granitic pegmatite, and garnet biotite felsic gneiss.	20	0	>1	Tr
184.9	189.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	40	2	1	1
189.7	197.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Well Foliated	Localized medium grained blebs of pyrrhotite and pyrite at the margins of quartz and granitic pegmatite clots.	5	0	>1-1	>1-1
197.1	241.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	2% pyrrhotite-pyrite overall with localized sections of 3-4% blebby and net-textured pyrrhotite. Localized sections of granitic pegmatite.	40	5	1-2	1-2
241.3	248.1	Biotite Felsic Gneiss	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections.	35	0	>1	>1-1
248.1	249.3	Pegmatite	Green, orange, and				1	0	Tr	Tr
249.3	290.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Localized medium-coarse grained pyrrhotite with fine grained disseminated pyrrhotite-pyrite dominant.	45	5	1	1
290.1	293.2	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic		20	0	Tr->1	Tr->1
293.2	322.5	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite, intermixed quartz spider veinlets.	40	5	>1-1	>1-1
322.5	334.3	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Intermixed selvages of a fine grained felsic gneiss (s).	20	0	>1	>1
334.3	340.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Spotted sulfides. Intermixed quartz spider veinlets.	15	0	>1	>1
340.5	353.0	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Same as previous.	20	0	Tr->1	Tr->1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 455	Dip of Hole At Collar 65	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 23/11/2011	Date Completed 11/12/2011	Date Logged Nov 23-11, 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330094
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304116
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	9.0	Casing								
9.0	13.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Weakly Foliated	Grey, white and pink medium to coarse grained, weakly foliated granitic felsic gneiss. Local sericite and potassic alteration. Unit contains <1-1% fine to medium grained disseminated pyrite and Tr pyrrhotite.	5-10		<1-1	Tr
13.2	17.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Grey, medium grained, moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite. Unit contains 1-2% fine to medium grained disseminated pyrite. No visible pyrrhotite.	10-15	0	1-2	0
17.1	20.0	Felsic Gneiss (S)	Light Grey-Grey	Medium-Coarse Grained	Weakly-moderately well foliated	Light Grey-Grey, weakly to moderately foliated medium to coarse grained, sedimentary felsic gneiss. Unit contains 1% fine to medium grained disseminated to blebby pyrite and <1-1% pyrrhotite; coarse grained pyrite-pyrrhotite associated with quartz vein.	10		1	<1-1
20.0	24.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained, weakly foliated sedimentary felsic gneiss consisting of 10-15% biotite and local sericite veinlets and quartz veins. Unit contains 1% fine to medium grained pyrite and no visible pyrrhotite.	10-15	0	1	
24.7	27.7	Amphibole Felsic Gneiss	Dark Grey and dark	Medium Grained	Well Foliated	Dark grey-dark green, medium grained, well foliated porphyroblastic amphibole felsic gneiss. Unit does not contain any visible sulphides				
27.7	35.8	Felsic Gneiss (S)	Grey and pink	Medium grained	Weakly to moderately	65-70% potassically altered	10-15	0	<1-1	0
35.8	37.6	UMLAMP Dike	Grey	Fine Grained	Dike	Grey, mafic-ultramafic dike containing plagioclase phenocrysts and sericite alteration.				
37.6	39.3	Altered Felsic Gneiss (S)	Grey and pink	Medium Grained	Well Foliated		10-15	0	1	

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
39.3	42.5	Clotty-felsic gneiss Amphibolite	Grey and dark green	Medium Grained	Porphyroblastic	Grey and dark green medium grained porphyroblastic clotty felsic gneiss amphibolite containing 2-5% biotite and 65-70% amphibole. Unit contains <1% pyrite and no visible pyrrhotite.	2-5	0	<1	0
42.5	50.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		10-15	0	1	<1
50.1	54.8	Clotty-felsic gneiss Amphibolite	Grey and dark green	Medium Grained	Porphyroblastic	Same as previous. No visible sulphides.	2-5	0		
54.8	57.2	Felsic Gneiss (S)	Grey and pink	Medium Grained	Weakly Foliated	Presence of potassic alteration (10-15%). Contact is broken	5-10	0	<1-1	0
57.2	58.7	UMLAMP Dike	Dark Grey	Fine Grained	Dike				0	0
58.7	60.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated		10-15	0	1	0
60.0	74.8	Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Weakly Foliated		55-60	0	1-2	0
74.8	86.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated		10-15	0	1-2	0
86.1	92.3	Biotite Felsic Gneiss	Dark Grey	Fine-medium	Well Foliated		35-40	0	1-3	1
92.3	102.9	Felsic Gneiss (S)	Grey, green and pink	Medium Grained	Weakly-moderately		10-15	0	Tr	
102.9	107.9	Biotite Felsic Gneiss	Grey and dark grey	Medium Grained	Moderately Foliated	Dark grey-grey, medium grained, moderately foliated biotite felsic gneiss consisting of 35-40% biotite, no visible garnet. Unit contains 1-2% fine grained disseminated pyrite and 1-3% medium grained, disseminated-streaky pyrrhotite.	35-40	0	1-2	1-3
107.9	115.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Grey medium grained, weakly foliated sedimentary felsic gneiss consisting of 10-15% biotite and local zones of chlorite (plagioclase +epidote also present) alteration. Unit contains 1% fine to medium grained disseminated pyrite and <1% fine grained disseminated pyrrhotite. Sulphides increase in zones of alteration.	10-15	0	1	<1
115.1	120.4	Altered Felsic Gneiss (S)	Grey, green and pink	Medium Grained	Weakly-moderately well foliated	Grey, green and pink medium grained, moderately foliated altered sedimentary felsic gneiss. Unit consists of 15-20% biotite and contains chlorite, sericite and potassium alteration. Unit contains 2-3% medium grained, disseminated and streaky pyrite and 3-4% medium to coarse grained disseminated and clotty pyrrhotite.	15-20	0	2-3	3-4
120.4	124.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		10	0	<1-1	0
124.7	125.4	Diabase Dike	Black	Fine Grained	Dike	Broken lower contact - cannot measure core axis			0	0

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
125.4	141.4	Amphibole Felsic Gneiss	Grey and dark green	Medium Grained	Weakly-moderately well foliated	Grey and dark green amphibole felsic gneiss interlayered with felsic gneiss (30% of unit) containing 35-40% amphibole and 5-10% biotite. Presence of sericite altered veinlets. Unit consists of 1% fine to medium grained disseminated and streaky pyrite and no visible pyrrhotite.	5-10	0	1	0-Tr
141.4	149.0	Felsic Gneiss (S)	Variable Grey	Medium Grained	Weakly Foliated	Variable grey medium grained, weakly foliated sedimentary felsic gneiss containing 5-10% biotite. Presence of vugs, altered by chlorite, plagioclase and quartz.	5-10	0	1-2	1
149.0	156.6	Felsic Gneiss (S)	Variable Grey	Medium Grained	Weakly Foliated	Unit is same as previous; but contains sections of sedimentary felsic gneiss with higher biotite content. Local sericite altered zones (5-10% of unit), no vugs.	10-15	0	1	<1
156.6	163.3	Felsic Gneiss (G)	Grey	Medium-coarse grained	Weakly Foliated	Grey medium to coarse grained, weakly foliated granitic felsic gneiss containing 5-10% biotite. Presence of sericite altered veinlets downhole. Unit contains 1% medium grained, disseminated pyrite and 1% fine to medium grained, streaky pyrrhotite.	5-10	0	1	<1
163.3	171.2	Altered Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Grey, medium grained, weakly foliated, potassic and sericitic altered sedimentary felsic gneiss, containing 15-20% biotite. Unit consists of 1% fine grained disseminated pyrite and trace pyrrhotite.	15-20	0	1	Tr
171.2	175.8	Amphibole Felsic Gneiss	Dark Grey	Medium Grained	Weakly Foliated	Dark grey, medium grained, weakly foliated amphibole felsic gneiss containing 35-40% amphibole and 5% biotite. Unit contains 1% fine grained disseminated pyrite and 1-2% fine to medium grained disseminated and clotty pyrrhotite.	5	0	1	1-2
175.8	211.8	Altered Felsic Gneiss (S)	Grey and Green	Fine to Medium Grained	Weakly to moderate foliation	Grey-green, fine to medium grained, weakly foliated sericite (35-40%) altered sedimentary felsic gneiss intermixed with felsic gneiss consists of 5-10% biotite. Presence altered hematite (1%) and potassic alteration (5%) downhole. Unit contains 1% fine grained, disseminated pyrite and trace pyrrhotite.	5-10	0	1	Tr
211.8	248.0	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly-moderately well foliated	Grey, medium to coarse grained, weakly to moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite and 5-10% porphyroblastic amphiboles. Presence of potassic alteration (20-25%). Unit contains <1% medium to coarse grained disseminated and clotty pyrite and trace to <1% fine grained, disseminated pyrrhotite. Sulphides decrease downhole.	10-15	0	<1	Tr - <1
248.0	298.2	Diabase Dike	Black	Fine Grained	Dike	Black, fine grained diabase dike, contains 1-2% feldspar, 2-3% sericite altered veinlets and <1% hematite. No visible sulphides.				
298.2	307.4	Felsic Gneiss (S)	Grey, green and pink	Medium Grained	Weakly-moderately well foliated	Grey, green and pink medium grained, weakly to moderately foliated sedimentary felsic gneiss containing 5-10% biotite. Presence of sericite and potassic alteration. Unit contains <1-1% fine to medium grained disseminated and clotty pyrite and trace to <1% fine grained disseminated pyrrhotite.	5-10	0	<1 - 1%	Tr - <1%
307.4	309.1	Felsic Gneiss (S)	Grey to dark grey	Fine-medium grained	Well Foliated	Grey to dark grey, fine to medium grained, well foliated sedimentary felsic gneiss consisting of 15-20% biotite. Unit contains 1-3% fine to medium grained, disseminated pyrite and <1-1% fine grained, disseminated pyrrhotite.	15-20%	0	1-3	<1-1
309.1	333.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderate to well foliated	Presence of sericite altered veinlets.	10-15	0		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
333.3	337.8	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Dark grey, medium grained, well foliated sedimentary felsic gneiss containing 15-20% biotite, with local sections of 20-25% biotite, and <1% garnet. Unit contains 1-3% medium grained blebby and streaky pyrite and 1-2% streaky pyrrhotite. Sulphides are associated with biotite rich sections.	15-20	<1	1-3	1-2
337.8	343.7	Felsic Gneiss (G)	Grey, green, and pink	Medium-coarse grained	Weakly Foliated	Grey, green, and pink medium to coarse grained, weakly foliated granitic felsic gneiss containing 2-5% biotite. Presence of muscovite (5-10%). Unit contains <1% fine to medium grained, disseminated pyrite, and trace fine grained, disseminated pyrrhotite.	2-5	0	<1	Tr
343.7	344.7	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey medium grained, well foliated garnet biotite felsic gneiss consisting of 25-30% biotite and 2-5% garnet. Unit contains 1-2% fine to medium grained, disseminated and streaky pyrite, and <1% fine grained, disseminated pyrrhotite.	25-30	2-5	1-2	<1
344.7	345.9	Altered Felsic Gneiss (S)	Grey - dark green	Medium Grained	Well Foliated	Grey to dark green, medium grained, well foliated altered sedimentary felsic gneiss consisting of 10-15% biotite and 30-35% streaky chlorite. Unit contains 1-2% fine to medium grained, disseminated and streaky pyrite, and 1% fine to medium grained, disseminated pyrrhotite.	10-15	0	1-2	1
345.9	350.9	Felsic Gneiss (S)	Grey -dark grey	Medium Grained	Well Foliated		10-15	0		
350.9	355.2	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Grey, medium coarse grained, moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite.	10-15	0	1	Tr
355.2	356.5	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		25-30	3-5	1-2	<1
356.5	358.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous				
358.1	371.1	Felsic Gneiss (S)	Grey-dark green	Medium Grained	Moderate to well foliation	Grey to dark green medium grained moderate to well foliated sedimentary felsic gneiss (containing 10-15% biotite and 5-10% amphibole) interlayered with amphibole felsic gneiss (containing 65-70% amphibole). Unit contains <1% medium grained, blebby/schlieren pyrite and Tr to <1% medium grained, blebby pyrrhotite. Sulphides associated with sections of high biotite				
371.1	405.5	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey medium grained weak to moderately foliated sedimentary felsic gneiss containing 10-15% biotite. Unit contains Tr to <1% fine to medium grained disseminated pyrite and Tr pyrrhotite.	15-20	0	Tr to <1	Tr
405.5	412.8	Amphibole Felsic Gneiss	Dark Grey-dark green	Medium Grained	Well Foliated	Dark grey-dark green medium grained, well foliated amphibole felsic gneiss interlayered with garnet biotite felsic gneiss (407.6-408.2), amphibolite and sedimentary felsic gneiss. (10% of unit). Unit contains <1% medium grained schlieren pyrite and trace pyrrhotite.	15-20	10		
412.8	430.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey, medium grained, moderately well foliated sedimentary felsic gneiss containing 15-20% biotite presence of sericite veinlets (2%). Unit contains no visible sulphides.			<1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
430.8	446.8	Amphibolite	Dark Grey-dark green	Medium Grained	Weakly-moderately well foliated	Dark grey-dark green medium grained, weakly to moderately foliated amphibolite containing 10-15% biotite, 20% garnet and 60-65% amphibole. Unit is interlayered with a 20cm section of sedimentary felsic gneiss at 438.9m. Unit contains trace pyrite and trace to <1% fine grained, disseminated pyrrhotite.	10	20	Tr	Tr-<1
446.8	455.0	UMLAMP Dike	Dark Grey	Fine Grained	Dike	End of hole	0	0	0	0

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 205	Total Depth (m) 290	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 21/11/2011	Date Completed 02/12/2011	Date Logged Nov.22-Dec.2 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331176
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303306
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.9	Casing								
4.9	23.8	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed granitic pegmatite sections (>15 cm), quartz spider veinlets with potassic and sericitic alteration haloes.	30	0	>1	Tr
23.8	43.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Weakly-moderately	Intermixed sections granitic pegmatite, and quartz spider veinlets.	10-15	0	>1-1	>1-1
43.4	45.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy epidote crystals associated with coarse grained biotite.	10	0	>1	Tr
45.7	64.0	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Weakly-moderately	Intermixed potassic alteration, granitic pegmatite, and spider veinlets.	5-10	0	>1	>1
64.0	108.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed patches of granitic pegmatite and potassically altered sections.	5-10	0	>1-1	Tr
108.6	115.0	Biotite Felsic Gneiss	Grey	Fine Grained	Well Foliated	Pyrite-pyrrhotite is associated with crystals of biotite and vuggy sections. Intermixed granitic pegmatite sections.	30	0	1	>1-1
115.0	117.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Intermixed quartz spider veinlets.	5	0	1	Tr
117.9	131.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized medium-coarse grained blebby pyrite associated with biotite and margins of quartz veins.	25	0	1	>1
131.7	134.1	UMLAMP Dike	Black and white	Fine Grained	Massive	Potassic alteration halo.				
134.1	154.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections, and localized potassic alteration sections.	15	0	1-2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
154.8	166.5	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed granitic pegmatite, and amphibole felsic gneiss sections.	15	0	1	1
166.5	170.5	Pegmatite	Green, orange, and			Patchy muscovite.	5	0	>1	1
170.5	175.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Fine grained disseminated and schlieren pyrite-pyrrhotite.	40	7	1	1
175.4	178.2	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Patchy muscovite and fine grained sillimanite.	10	0	>1-1	>1-1
178.2	181.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Fine grained schlieren and disseminated pyrite-pyrrhotite.	40	7	1	1
181.6	184.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections and quartz spider veinlets with sericite alteration.	15	0	1	>1
184.4	193.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately well-well	Fine grained blebby and disseminated pyrrhotite with patchy coarse grained blebs of pyrite-pyrrhotite.	2	0	>1-1	1-2
193.1	207.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Well Foliated	Intermixed granitic pegmatite from 200m on. Patchy coarse grained muscovite within sections of intermixed granitic pegmatite.	45	7	1	1
207.3	214.2	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Localized quartz spider veinlets.	20	0	>1-1	Tr
214.2	228.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite and quartz veins. Pyrite associated with bands of biotite.	20	0	1-2	Tr
228.2	232.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Localized quartz spider veinlets, with sericite alteration.	5	5	Tr	1
232.0	232.9	UMLAMP Dike	Black and white	Fine Grained	Massive			0		
232.9	235.6	Pegmatite	Green, orange, and			Granitic pegmatite with patchy coarse blebs of pyrrhotite.	2	0	Tr	1
235.6	251.4	Altered Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Patchy coarse grained blebs, clots and fine grained schlieren of pyrrhotite. Localized zones of chlorite alteration and intermixed amphibolite.	40	20	Tr->1	1-2
251.4	252.1	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Interlayer of amphibolite splitting two (+\altered) garnet biotite felsic gneisses.	5	1	Tr	>1
252.1	256.6	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Minor bands of chlorite altered biotite, and localized quartz spider veinlets.	35	5	Tr->1	>1-1
256.6	264.3	Amphibolite	Dark green, black and pink	Fine-medium grained	Well Foliated	Patchy coarse grained blebs of pyrrhotite associated with chlorite altered biotite\amphibolite patches. Intermixed sections (10%) of altered garnet biotite felsic gneiss.	40	10-12	>1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
264.3	273.5	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Small section of intermixed QFP.	5	7	Tr	>1
273.5	283.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	278m - 4 cm pyrrhotite vein.	5-10	0	Tr	>1
283.6	287.0	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Intermixed sections of granitic pegmatite.	20	0	Tr	Tr
287.0	290.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veins. 290m EOH.	5	0	Tr	>1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 450	Bearing of Hole from true North 205	Total Depth (m) 382	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 29/11/2011	Date Completed 04/12/2011	Date Logged Nov 29-Dec 4, 2011	Logged By Gabrielle Hosein		(m) degrees	Property Name Borden Lake	Easting 330899
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303634
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	45.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Grey, medium grained, weakly foliated sedimentary felsic gneiss consisting of 10-15% biotite and sericite veinlets. Unit is interlayered with sections of altered sedimentary felsic gneiss. Presence of 1-2% medium to coarse grained, disseminated pyrite, and Tr to <1% of fine grained pyrrhotite.	10-15	0	1-2	<1
45.0	45.8	UMLAMP Dike	Grey	Medium-coarse	Dike					
45.8	52.2	Diorite	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Grey, white, pink medium to coarse grained, weakly to moderately foliated diorite consisting of 10% biotite. Unit contains <1 to 1% fine to medium grained disseminated pyrite.	10	0	<1-1	0
52.2	57.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained weakly to moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite and interlayered with sections containing 5-10% biotite. Unit contains 1-2% medium grained disseminated pyrite and local section of stringy/blebby pyrite associated with a cm scaled quartz vein. Trace fine grained disseminated pyrrhotite.	10-15	0	1-2	Tr
57.7	63.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Grey, medium grained, weakly foliated sedimentary felsic gneiss consisting of 5% biotite. Unit contains 2-4% medium to coarse grained disseminated pyrite and trace to <1% fine grained disseminated pyrrhotite.	5	0	2-4	Tr - <1
63.9	79.4	Felsic Gneiss (QP)	Grey, white, and pink	Coarse Grained	Moderately well-well Foliated	Grey, white and pink coarse grained, moderately-well foliated quartz pebble felsic gneiss consisting of 45-55% coarse grained quartz and 5-10% biotite. 5% of unit is potassically altered. Unit contains 1-2% fine to medium grained pyrite and no visible pyrrhotite.	5-10	0	1-2	

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
79.4	82.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Grey, fine to medium grained weakly to moderately foliated sedimentary felsic gneiss consisting of 5-10% biotite. Unit contained 3-5% medium to coarse disseminated and blebby pyrite, and 1-2% fine to medium grained disseminated pyrrhotite.	5-10	0	3-5%	1-2
82.7	85.7	Amphibole Felsic Gneiss	Grey, Green and pink	Medium-coarse grained	Well Foliated	Grey, green and pink medium grained, well foliated amphibole felsic gneiss containing 30-35% amphibole and 10% biotite crystals, sections pf potassic and sericitic alteration. Unit consists of 1-3% disseminated and blebby pyrite, and 15% sericite veinlets.	10	0	1-3	1
85.7	95.2	Felsic Gneiss (G)	Grey	Medium-coarse grained	Weakly-moderately well foliated	Grey, medium to coarse grained , weakly to moderately foliated granitic felsic gneiss consisting of 10% biotite. Unit contains 1-2% medium grained, disseminated pyrite and <1-1% fine grained disseminated pyrrhotite.	10	0	1-2	<1-1%
95.2	100.5	UMLAMP Dike	Dark Grey	Fine Grained	Dike	Dark grey, fine grained mafic-ultramafic dike consisting of 2-4% plagioclase phenocrysts. Unit contains <1% medium grained, disseminated pyrite and no visible pyrrhotite.			<1	
100.5	102.7	Amphibole Felsic Gneiss	Dark grey and dark green	Medium Grained	Weakly-moderately well foliated	Dark grey-dark green, medium grained, weakly to moderately foliated amphibole felsic gneiss containing amphibole and biotite crystals, and altered sections of potassic and sericite. Unit contains 1-2% medium grained disseminated pyrite associated with zones of alteration.	5-10	0	1-2	<1
102.7	108.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated		10-15	0	1-2	Tr
108.9	116.6	Felsic Gneiss (QP)	Grey and white	Coarse-very coarse	Weakly Foliated		5-10	0	1	
116.6	120.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous containing a higher amount of biotite. No visible pyrrhotite.	10-15	0	1	
120.3	121.9	UMLAMP Dike	Grey	Fine Grained	Dike				0	0
121.9	127.4	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous	5-10			
127.4	133.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Weakly-moderately	Sedimentary felsic gneiss unit containing 10-15% biotite. Section of quartz from 130.8-131.1.	10-15		1-2	0
133.6	140.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated		5-10	0	1-2	1
140.7	144.3	UMLAMP Dike	Grey	Fine Grained	Dike				0	0
144.3	151.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated		10-15	0	1	<1-1
151.5	152.1	UMLAMP Dike	Grey	Fine Grained	Dike					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
152.1	162.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		10-15	1-2	2-3	1-2
162.4	163.6	UMLAMP Dike	Grey-dark grey	Fine Grained	Dike				0	0
163.6	167.9	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Grey, medium grained, well foliated sedimentary felsic gneiss consisting of 10-15% biotite. Unit contains 1-2% medium grained, disseminated and blebby yrite and no visible pyrrhotite.	10-15	0	1-2	
167.9	172.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Well Foliated	Grey, black and pink, fine to medium grained, well foliated garnet biotite felsic gneiss consisting of 30-35% biotite and 2-5% garnet. Unit contains 1-2% medium grained disseminated pyrite and 1-3% medium grained disseminated and streay pyrrhotite.	35-40	5-10	1	<1
172.8	174.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous.	10-15	0	1	0
174.3	177.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Same as previous	30-35	2-5	1-2	1-3
177.4	184.7	Felsic Gneiss (S)	Grey	Fine-medium grained	Well Foliated	Grey, fine to medium grained, well foliated sedimentary felsic gneiss consisting of 10-15% biotite. No visible garnet crystals. Presence of localized potassic and sericitic alteration. Unit contains 1-3% meium grained disseminated and blebby pyrite, and 1-2% fine-medium grained, disseminated pyrrhotite.	10-15	0	1-3	1-2
184.7	197.2	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Grey, medium grained, well foliated sedimentary felsic gneiss consisting of 10-15% biotite and containing local sections ofsericitic and potassic alteration. Presence of 5-10cm scaled pegmatites (25% of unit). Unit contains 1-2% medium grained disseminated pyrite (coarse grained clotty pyrite associated with pegmatite).	10-15	0	1-2	<1
197.2	198.3	Pegmatite	Grey, black, white and	Coarse-very coarse	Massive		1-3	0	1	0
198.3	208.6	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		10-15	0	1-2	0
208.6	210.7	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey, medium grained, well foliated biotite felsic gneiss containing 25-30% biotite. Unit contains	25-30	0	1	Tr
210.7	221.3	Felsic Gneiss (S)	Grey	Medium-coarse grained	Weakly-moderately well foliated	Grey, medium to coarse grained, weak to moderately foliated sedimentary felsic gneiss containing 10-15% biotite and interlayered with units containing 5-10% biotite. Presence of pegmatite and cm-scaled quartz veins. Unit contains 1% medium to coarse grained, disseminated and clotty pyrite, <1% fine grained, disseminated pyrrhotite, and <1% medium grained, disseminated and clotty chalcopyrite associated with quartz veins.	10-15	0	1	<1
221.3	225.1	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey, medium grained, well foliated biotite felsic gneiss containing 25-30% biotite and 1-2% garnet. Presence of quartz veins 221.3 to 221.6 and 224.8 to 225.1. Unit contains 2-4% fine-medium grained, disseminated and streaky pyrite, and 2-3% fine-medium grained disseminated and streaky pyrrhotite.	25-30	1-2	2-4	2-3

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
225.1	229.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Grey, medium grained, moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite, no visible garnet. Unit contains 1% medium grained, disseminated pyrite and 1-2% medium to coarse grained, disseminated pyrrhotite.	10-15	0	1	1-2
229.3	237.6	Amphibole Felsic Gneiss	Dark Grey and dark green	Medium Grained	Moderately well-well Foliated	Dark grey-green, medium grained, moderately foliated amphibole felsic gneiss interlayered with biotite felsic gneiss (25% of unit). Unit contains 5-10% biotite to 55-60% amphibole. Unit contains 1-2% medium grained, disseminated and blebby pyrite, and 1-3% medium to coarse grained disseminated and clotty pyrrhotite.	5-10	0	1-2	1-3
237.6	239.6	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated		10-15	0	1-2	1
239.6	241.6	Amphibole Felsic Gneiss	Dark Grey-Dark green	Medium Grained	Moderately well-well Foliated	Dark grey-dark green, medium grained, moderately foliated amphibole felsic gneiss containing 5-10% biotite and 55-60% amphibole. Presence of local 10cm section of chlorite-sericite alteration at 241.5m. Unit contains 1-2% medium grained, disseminated pyrite and 1-3%medium grained, disseminated and streaky pyrrhotite.	5-10	0	1-2	1-3
241.6	243.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained, weakly-moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite. Presence of local sericite alteration. Unit contains <1% fine to medium grained, disseminated pyrite and pyrrhotite.	110-15	0	<1	<1
243.9	251.4	Felsic Gneiss (QP)	Light Grey-Grey	Medium-coarse grained	Weakly Foliated	Light grey to grey, medium to coarse grained quartz porphyry felsic gneiss containing approx. 5% biotite. Presence of sericite altered veinlets. Unit contains <1% medium grained, disseminated pyrite and <1% fine to medium grained, disseminated pyrrhotite.	5	0	<1	<1
251.4	254.3	Amphibole Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Dark grey, fine to medium grained, moderately foliated amphibole felsic gneiss interlayered with sedimentary felsic gneiss.	5-10	0	<1	1-2
254.3	260.3	UMLAMP Dike	Dark Grey	Fine Grained	Dike	Dark grey, ultramafic dike containing 2-5 % plagioclase, amphibole (3-5%)and felsic gneiss (2%) phenocrysts.			0	0
260.3	270.8	Felsic Gneiss (S)	Dark Grey	Fine-medium	Weakly-moderately	Sulphides associated with local biotite rich zones.	20-25	1-2	1-2	2-5
270.8	281.9	Felsic Gneiss (G)	Grey, green, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	275.7-276.1m altered breccia containing 25-30% altered hematite, 30-40% feldspar and 5-10% blue grey quartz phenocrysts. Contains 1% medium grained, disseminated chalcopyrite	5-10	<1	1-2	2-4
281.9	294.7	Garnet Biotite Felsic Gneiss	Grey to dark grey	Medium Grained	Well Foliated	Grey, dark green medium grained, well foliated garnet biotite felsic gneiss consisting of 30-35% biotite and 3-5% garnet and interlayered with quartz zones. Unit contains 1-2% medium grained, disseminated, streaky and clotty pyrite and 2-5% medium grained, disseminated, streaky and clotty pyrrhotite. Sulphides associated with locally rich biotite zones.	30-35	3-5	1-2	2-5
294.7	297.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Interlayered with 0.2m scaled Quartz porphyry and contains a section of sericite-potassic altered felsic gneiss at end of unit.	5-10	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
297.3	307.7	Biotite Felsic Gneiss	Grey-dark grey	Medium Grained	Moderately well-well Foliated	Grey-dark grey medium grained, moderately to well foliated biotite felsic gneiss containing 25-30% biotite and 1% garnet, localized cm scaled zones of 75-80% biotite (10-15% of unit) and zones of 3-5% garnet (<1%). Unit is intermixed with a fine to medium grained, well foliated sedimentary felsic gneiss (5-10% of unit) and pegmatites (15% of unit). Unit contains medium grained, disseminated and streaky pyrite (1-2%) and pyrrhotite (2-3%).	25-30	2	1-2	2-3
307.7	335.8	Felsic Gneiss (S)	Dark Grey-Grey	Medium Grained	Well Foliated	Dark grey-grey medium grained, well foliated sedimentary felsic gneiss interlayered with sericite altered sedimentary felsic gneiss. Unit contains 10-15% biotite and sections of sericite alteration downhole (5-10%). Unit contains 1% fine-medium grained disseminated pyrite and 1-2% medium to coarse grained disseminated and clotty pyrrhotite. Coarse grained pyrrhotite associated with 5cm scaled quartz vein.	10-15	0	1	1-2
335.8	352.9	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately well-well		10-15	0	1	<1
352.9	357.0	Felsic gneiss (S)	Dark Grey and dark Green	Medium Grained	Well Foliated	Dark grey medium grained, moderate-well foliated sedimentary felsic gneiss (containing 5-10% biotite) interlayered with a dark grey-dark green medium grained, well foliated amphibolite (30-35% of unit).	5-10	3-7	<1	<1
357.0	382.0	Amphibolite	Dark Grey-dark green	Medium Grained	Moderately well-well Foliated	Dark grey-dark green medium grained, moderately to well foliated amphibolite consisting of 2-5% biotite and 5% garnet. Unit contains <1 fine to medium grained disseminated pyrite and trace pyrrhotite. END OF HOLE	2-5	5	<1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 205	Total Depth (m) 386	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 02/12/2011	Date Completed 08/12/2011	Date Logged Dec.3-8 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331268
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303262
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.8	Casing								
3.8	29.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz vein, and spider veinlets with alteration haloes. Pyrite is associated with bands of biotite.	10	0	1	Tr
29.1	40.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets.	30	0	1	Tr
40.5	68.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections, and patchy muscovite coarse grained.	5	0	1	Tr
68.1	75.0	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Well Foliated	Intermixed granitic pegmatite sections.	10	0	1	Tr
75.0	82.1	Amphibolite	Black and green	Fine Grained	Well Foliated	Hanging wall amphibolite with intermixed quartz spider veinlets and patchy sections of vugs with epidote crystals within them.	5	0	>1-1	>1-1
82.1	83.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Patchy disseminated fine grained pyrite.	5	0	>1	Tr
83.9	85.4	Pegmatite	Green, orange, and			Barren granitic pegmatite.	2	0	Tr	Tr
85.4	86.9	Felsic Gneiss (S)	Grey and white	Coarse Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	5	0	1	Tr
86.9	97.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Slightly variable amphibole content.	5	0	2	>1
97.7	99.8	Felsic Gneiss (G)	Grey and white	Medium Grained	Well Foliated	Patchy nests of fine grained sillimanite crystals.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
99.8	102.0	Amphibolite	Black and green	Fine Grained	Well Foliated	Same as previous.	5	0	2	>1
102.0	171.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized brecciated sections.	5	0	1	>1
171.1	173.4	Pegmatite	Green, orange, and			Coarse blebs of pyrite-pyrrhotite.	1	0	1	>1-1
173.4	182.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized sections of intermixed garnet biotite felsic gneiss.	10-15	1	1	1
182.4	184.3	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Massive	Intermixed spider veinlets.	20	0	1	Tr
184.3	187.6	Pegmatite	Green, orange, and			Granitic pegmatite, very coarse grained booklets of biotite.	15	0	Tr	Tr
187.6	199.6	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Intermixed quartz spider veinlets with potassic alteration.	5	0	1	Tr
199.6	207.9	UM\LAMP Dike	Black and white	Fine Grained	Massive					
207.9	209.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite sections.	15	0	>1-1	1>1-
209.0	216.2	Pegmatite	Grey, white, and pink			Sulfides associated with biotite and selvages of garnet biotite felsic gneiss.	5	0	1	Tr
216.2	219.4	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Massive-weakly	Intermixed selvages of felsic gneiss (s) and localized quartz veins.	25	0	>1	Tr
219.4	222.1	Altered Garnet Biotite Felsic Gneiss	Dark\Light green and	Fine-medium	Well Foliated	Localized quartz veins, and chlorite alteration.	30	5	>1	2
222.1	240.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Blebby and fine grained schlieren pyrrhotite. Intermixed granitic pegmatite sections.	40	15-20	>1	1-2
240.2	248.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections and sericitic alteration sections. Localized section of 1-2% pyrrhotite near lower contact.	30	5	>1	1
248.2	254.7	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	249.4-250m - Section of massive net-textured pyrrhotite. Localized coarse grained blebs and clots of pyrrhotite.	35	2-3	>1	3-5
254.7	260.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Intermixed quartz veins, and clots.	30	3	>1-1	>1-1
260.2	271.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed coarse grained felsic gneiss (s) layers.	25	0	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
271.7	275.1	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Intermixed sericitically altered sections.	15	0	>1	>1
275.1	301.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite and sericitic alteration sections.	20	0	>1-1	1
301.1	306.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Pyrite-pyrrhotite is associated with biotite.	40	7	>1	>1
306.1	309.3	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Massive-weakly	Intermixed granitic pegmatite.	25	0	>1	Tr
309.3	335.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized granitic pegmatite sections, quartz veins, and sericitic alteration.	25	1	>1-1	>1-1
335.7	336.7	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Massive-weakly	Intermixed quartz clots and spider veinlets.	20	0	>1	>1
336.7	340.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Pervasive quartz spider veinlets sericite alteration.	10	>1	Tr->1	1
340.2	352.6	Quartz-Feldspar Porphyry (QFP)	Grey and Green	Coarse Grained	Porphyritic	Intermixed quartz veins\veinlets. Pyrite is associated with biotite.	20	0	>1	Tr
352.6	371.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections.	20	>1	>1	>1
371.7	382.5	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed spider veinlets.	30	0	>1	Tr
382.5	384.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed spider veinlets.	15	0	>1	Tr
384.3	386.0	UMLAMP Dike	Black and white	Fine Grained	Massive	386m is the end of hole.				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 356	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 04/12/2011	Date Completed 08/12/2011	Date Logged December 5-8 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331001
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303617
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.1	Casing								
3.1	13.0	Amphibole Felsic Gneiss	Grey and dark green	Medium-coarse grained	Weakly-moderately well foliated	Grey and dark green, medium to coarse grained, moderately foliated amphibole felsic gneiss containing 15-20% biotite and 35-40% porphyroblastic amphibole crystals. Presence of potassic alteration downhole (10% of unit). 12.2-12.6, sericite and hematite altered section. Unit contains <1% fine grained, disseminated pyrite and trace disseminated pyrrhotite. (13-14: lost core 0.4m)	15-20	0	<1	Tr
13.0	14.0	Diabase Dike	Black	Fine Grained	Dike	Black, fine grained diabase dike.		0	0	0
14.0	72.3	UM/LAMP dike	Dark Grey and white	Medium Grained	Massive-weakly foliated	Dark grey to white medium grained, massive to weakly foliated diorite containing 5-10% biotite, and 55-60% plagioclase feldspar. Presence of talc-chlorite alteration veinlets (1%). Unit contains local trace to <1% very fine grained disseminated pyrite at alteration zones, and no visible pyrrhotite.		0	Tr to <1%	0
72.3	75.6	Diorite	Grey, white, green and pink	Medium-coarse grained	Weakly-moderately well foliated	Grey, white, green and pink medium to coarse grained, weak to moderately foliated diorite containin 60-65% plagioclase, 15-20% biotite. Presence of sericite alteration around quartz vein. Unit contains >1% fine to medium grained disseminated pyrite and trace fine grained disseminated.	15-20	0	>1	Tr
75.6	98.7	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately		5-10	0	1-2	Tr
98.7	101.0	Altered Felsic Gneiss (S)	Dark Grey and bright	Medium Grained	Moderately well-well		10-15	0	<1-1	Tr
101.0	116.3	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Weakly Foliated	Grey to dark grey medium grained, weakly foliated sedimentary felsic gneiss consisting of 5-15% biotite. Unit contains 1-2% fine to medium grained pyrite and trace to <1% fine grained, disseminated pyrrhotite.	5-15	0	1-2	Trace - <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
116.3	118.7	Felsic Gneiss (QP)	Grey and white	Medium-coarse grained	Weakly-moderately well foliated	Grey and white, medium to coarse grained, weak to moderately foliated quartz pebble felsic gneiss. Containing 25% plagioclase, 15-20% quartz and 5% biotite. <1% fine grained disseminated pyrite and trace to <1% fine grained disseminated pyrrhotite.	5	0	<1	Tr-<1
118.7	121.6	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately well-well		25-30	0	2-5%	1-4%
121.6	146.5	Felsic Gneiss (S)	Dark grey	Medium grained	Weak to moderate foliation	Dark grey medium grained, moderately foliated sedimentary felsic gneiss consisting of 10-15% biotite interlayered with sections of increased biotite and amphibole felsic gneiss (138.2-138.6). Presence of potassic (1-3%), hematite (<1%) and sericite (<1%) alteration. Unit contains 1% fine to medium grained, disseminated to streaky pyrite, and <1% fine grained, disseminated pyrrhotite. Sulphides generally associated with biotite rich sections.	10-15	0	1	<1
146.5	148.6	Felsic Gneiss (QP)	Black and white	Coarse Grained	Weakly-moderately		5-10	0	<1	<1
148.6	153.3	Amphibole Felsic Gneiss		Medium-coarse						
153.3	155.2	Amphibole Felsic Gneiss				Interlayered with sedimentary felsic gneiss.				
155.2	163.2	Felsic Gneiss (S)								
163.2	168.5	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Interlayered with sedimentary felsic gneiss.	25-30	0		
168.5	171.1	Biotite Felsic Gneiss	Dark grey-dark green	Medium Grained	Well Foliated		25-30	<1-1	1-2	1
171.1	173.6	Felsic Gneiss (S)	Light Grey - Grey	Medium Grained	Well Foliated		5-10	0	<1	Tr
173.6	187.9	Felsic Gneiss (S)	Dark Grey, pink	Medium Grained	Weakly-moderately		5	0	<1-1	Tr
187.9	194.2	Amphibole Felsic Gneiss	Dark grey-dark green	Medium Grained	Weakly Foliated		2-5	0	Tr	Tr
194.2	200.5	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		5-10	0	Tr	Tr
200.5	217.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Sulphides associated with quartz.	10	0	<1	Tr
217.1	219.3	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		30-35	>5	<1-1	Tr-<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
219.3	223.1	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous	5-10	0	<1	Tr
223.1	232.8	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	No visible garnet. Presence of pegmatite (227.8-228.1 and 229.2-229.6), no sulphides.	30-35	0	2-3	2-5
232.8	234.9	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Interlayered with biotite felsic gneiss (10-20% of unit).	15-20		<1-1	<1
234.9	242.4	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		25-30	<1		
242.4	244.2	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		30-35	5-10	1-3	1
244.2	249.3	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated		25-30	<1	<1	<1
249.3	250.5	Pegmatite	Grey, black, green	Coarse-very coarse	Brecciated		2	0	<1	
250.5	251.5	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated		25-30	5	1	1
251.5	254.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of sericite alteration veinlets (2-5%) and 5cm scaled quartz veins (3%).	10-15	0	<1	Tr
254.6	259.2	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		15-20	0	1-2	1
259.2	263.3	Felsic Gneiss	Grey-dark grey	Medium grained	Moderately foliated	Grey-dark grey medium to coarse grained, moderately foliated sedimentary felsic gneiss containing biotite, plagioclase and quartz.	15-20	0	<1-1	Tr
263.3	265.2	Amphibole Felsic Gneiss	Dark Grey, dark green	Medium Grained	Moderately Well Foliated	Dark grey-dark green, medium grained, moderately well foliated amphibole felsic gneiss (60%) interlayered with sedimentary felsic gneiss (40%) and QP felsic gneiss (20%). Unit contains <1-1% medium grained, disseminated and schlieren pyrite associated with felsic gneiss layer, and <1% fine-medium grained, disseminated pyrrhotite.	15-20	0	<1-1	<1
265.2	271.0	Felsic Gneiss (S)	Grey and dark grey	Medium Grained	Moderately Well Foliated	Grey-dark grey, medium grained, moderately well foliated sedimentary felsic gneiss containing 15-20% biotite. Presence of a pegmatite from 269.3 to 269.8m.	15-20	<1	1	<1
271.0	276.7	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		30-35	5-10	2-3	2-4
276.7	292.7	Felsic Gneiss (S)	Grey-Dark Grey	Medium Grained	Moderately well-foliated	Localized sections of garnet biotite felsic gneiss. Unit contains 2-3% medium to coarse grained streaky and disseminated pyrite and 2% medium to coarse grained streaky to disseminated pyrrhotite. Sulphides associated with sections of garnet biotite felsic gneiss.	20-25	5	2-3	2
292.7	294.4	UMLAMP Dike	Dark Grey	Fine-medium	Dike					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
294.4	299.7	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated		25-30	5-10		
299.7	302.3	Felsic Gneiss (S)	Grey-Dark Grey	Medium Grained	Well Foliated		10-15	<1	<1	Tr-<1
302.3	305.4	Felsic Gneiss (S)				Interlayered with amphibolite (15% of unit)	10-15	0	<1	<1
305.4	307.1	Amphibolite	Dark Green-dark grey		Weakly-moderately					
307.1	337.3	Felsic Gneiss (S)	Grey - dark grey	Medium Grained	Weakly-moderately well foliated	Grey-dark grey, medium grained, weak to moderately foliated sedimentary felsic gneiss. Presence of sericite altered veinlets (2-5%), and quartz veining (3-5%) at the end of unit. Unit contains <1% medium grained disseminated and streaky, and trace to <1% fine grained disseminated pyrrhotite. 312.1 to 312.8 biotite felsic gneiss (25-30% biotite) - sulphides associated with thi unit.	10-15	0	<1	Tr-<1
337.3	356.0	Amphibolite	Dark Grey-dark green	Medium Grained	Weakly Foliated	Dark green-dark grey medium grained, weak to moderately foliated amphibolite (interlayered with sedimentary felsic gneiss (20% of unit)consisting of 55-60% porphyroblastic amphibole, 15-20% biotite and 5-10% garnet. Unit contains <1% fine grained disseminated pyrite and trace fine grained disseminated pyrrhotite. 340.9-342.7: sedimentary felsic gneiss with <1% sulphides. END OF HOLE.	15-20	5-10	<1%	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 360	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 08/12/2011	Date Completed 11/12/2011	Date Logged Dec 8-11, 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331001
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303617
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	13.6	Amphibole Felsic Gneiss (S)	Dark Grey	Medium Grained	Weakly-moderately well foliated	Grey-dark green, medium to coarse grained moderate to well foliated amphibole felsic gneiss containing 15-20% biotite and 30-35% amphibole. Unit contains Tr to <1% fine to medium grained disseminated pyrite and Tr to <1% fine grained disseminated pyrrhotite.	15-20	0	Tr to <1	Tr to <1
13.6	25.2	Diorite	Grey, white, and pink	Medium-coarse	Weakly Foliated		5-10	0	<1	Tr
25.2	194.2	UM/LAMP Dike	Dark grey	Fine grained	Dike					
194.2	199.8	Diorite	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Grey, white and pink, medium to coarse grained, moderately well foliated diorite containing 10-15% biotite.	10-15	0	<1	Tr
199.8	203.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		10-15	0	Tr	Tr
203.0	209.6	Amphibole Felsic Gneiss	Grey - dark green	Medium-coarse	Well Foliated		10-15	0	Tr	Tr
209.6	218.7	Felsic Gneiss (S)	Variable Grey	Medium Grained	Well Foliated	Light Grey-Grey medium grained, well foliated felsic gneiss intermixed with sections of pegmatite (5-25cm scale) downhole. Unit contains <1% fine to medium grained, disseminated and blebby pyrite and <1% medium grained, blebby pyrrhotite. Pyrrhotite more associated with pegmatitic sections.	5-10	0	<1	<1
218.7	221.0	Pegmatite		Coarse-very coarse			2-4	0	<1	Tr to <1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
221.0	228.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Grey, medium grained, well foliated sedimentary felsic gneiss consisting of 15-20% biotite and 5-10% muscovite. Unit contains <1% fine to medium grained, disseminated pyrite and trace to <1% fine grained, disseminated pyrrhotite.	15-20	0	<1	Tr-<1
228.4	231.4	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated		15-20	0	<1-1	Tr-<1
231.4	234.9	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey, medium grained, well foliated biotite felsic gneiss containing 25-30% biotite and 2-3% garnet. Unit contains 1-3% medium to coarse grained, clotty and schliren pyrite and 1-2% medium to coarse grained clotty to schliren pyrrhotite. Large clots of sulphides are associated with a 30cm quartz vein at 233m.	25-30	2-3	1-3	1-2
234.9	238.9	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Same as previous.	10-15	0		
238.9	245.1	Biotite Felsic Gneiss	Dark grey	Medium Grained	Well foliated	Dark grey, medium grained well foliated biotite felsic gneiss containing 30-35% biotite. Unit contains 1-3%	30-35	0	1-2	2-3
245.1	251.2	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Intermixed with quartz and presence of sericite veining.	10-15	0	<1	<1
251.2	254.7	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Interlayered with sedimentary felsic gneiss.	30-35	1-2	1	1-2
254.7	257.0	Felsic Gneiss (S)					10-15	0	Tr	Tr
257.0	261.7	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		35-40	0-<1	<1-1	1-2
261.7	278.0	Amphibole Felsic Gneiss	Dark Grey-Dark green	Medium Grained	Well Foliated	Interlayered with biotite felsic gneiss (20%) and sedimentary felsic gneiss (10%).	5-10	0	1	1-2
278.0	287.6	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Sedimentary felsic gneiss containing 15-20% biotite, and interlayered with biotite felsic gneiss (10-15% of unit). Presence of ample quartz veins. 278.9-279.3: sedimentary felsic gneiss quartz pebble.	15-20	1	1-2	1-3
287.6	301.5	Garnet Biotite Felsic Gneiss	Dark grey, black and	Medium Grained	Well Foliated	Presence of chalcopyrite (Tr-<<1% medium grained, clotty) at 292m	40-45	5-10	1-2	2-5
301.5	306.7	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated	Dark grey, medium grained, well foliated biotite felsic gneiss containing 40-45% biotite and 1-3% garnet, and interlayered with pegmatite (45% of unit) and quartz (5%). Unit contains 1-2% medium to coarse grained, clotty pyrite and 2-4% medium to coarse grained, clotty and streaky pyrrhotite. Very coarse grains (2cm) of pyrrhotite is associated with quartz veins.	40-45	1-3	1-2	2-4
306.7	309.8	Altered Felsic Gneiss (S)	Grey-Dark green	Medium Grained	Well Foliated	Grey-dark green, medium grained, well foliated altered sedimentary felsic gneiss containing 10-15% biotite.	10-15	0	<1	<1
309.8	314.9	Garnet Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		65-70	10-15	1	1-2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
314.9	327.3	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Interlayered with amphibolite (315.7-316.4m and 324.9 - 325.3m). 319.4-319.7m: quartz pebble sedimentary felsic gneiss. Unit contains <1-1% fine to medium grained clotty and disseminated pyrite, and 1-2% clotty and disseminated pyrrhotite.	10-15	0	<1-1	1-2
327.3	328.0	UMLAMP Dike		Fine Grained	Dike					
328.0	331.3	Felsic Gneiss (QP)	Dark Grey and White	Medium-coarse	Weakly-moderately		5-10	0	Tr	Tr
331.3	332.5	UMLAMP Dike	Dark Grey	Fine Grained	Dike					
332.5	351.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Clotty pyrite associated with local cm scaled amphibolite interlayers (2-5% of unit).	10-15	0	<1	Tr
351.6	359.5	Amphibolite	Dark Grey-dark green	Medium Grained	Moderately Well Foliated	END OF HOLE	2-5	<1-1	0-Tr	Tr-<1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 443	Bearing of Hole from true North 205	Total Depth (m) 341	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08/12/2011	Date Completed 12/12/2011	Date Logged Dec.9-13	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331268
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303262
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.8	Casing								
2.8	14.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized sections of 1-2% pyrite, and 1-3 mm-scale vugs.	15	0	1	Tr
14.3	23.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz spider veinlets with potassic and sericitic alteration haloes. Pyrite is associated with crystals of biotite.	30	0	1	Tr
23.9	35.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets, and granitic pegmatite sections.	10	0	1	Tr
35.8	48.9	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized quartz clots, veins and veinlets.	30	0	1	Tr
48.9	52.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite.	5	0	>1	Tr
52.7	85.7	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly Foliated	Intermixed granitic pegmatite sections.	5-10	0	>1	Tr
85.7	93.1	Biotite Felsic Gneiss	Black and grey	Fine Grained	Well Foliated	Localized coarse blebs of pyrite.	40	0	1-2	>1
93.1	95.5	Amphibolite	Black and grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	>1	>1
95.5	105.1	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Localized broken blocky sections.	5	0	>1-1	Tr
105.1	108.4	UMLAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
108.4	112.5	Felsic Gneiss (S)	Grey and white	Coarse Grained	Weakly-moderately	Fine grained disseminated and localized medium grained blebby pyrite.	5	0	1	Tr
112.5	149.9	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Localized coarse grained blebby pyrite, quartz clots and granitic pegmatite.	15	0	>1-1	Tr
149.9	159.9	K-Altered Felsic Gneiss (S)	Pink	Fine Grained	Massive-weakly	Intermixed granitic pegmatite. Pervasive potassic alteration and intermixed UMLAMP Dike.	>1	0	Tr->1	Tr
159.9	177.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately well-well	Localized sericitic alteration sections, and intermixed granitic pegmatite sections.	10	0	>1-1	Tr
177.5	180.3	Pegmatite	Green, orange, and			Selvages of felsic gneiss (s). Patchy sulfides within the selvages.	5-10	0	>1	>1
180.3	189.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed granitic pegmatite sections. Fine grained schlieren and medium grained blebby pyrrhotite-pyrite.	30	7	1	1
189.2	202.4	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Localized granitic pegmatite sections.	5	0	>1-1	>1-1
202.4	211.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Weakly Foliated	25% intermixed granitic pegmatite. Coarse grained booklets of biotite.	30	5	1-2	1
211.1	219.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz spider veinlets.	10	0	>1	>1
219.6	225.6	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Patchy pyrite associated with crystals of biotite.	20	0	>1	Tr
225.6	234.8	Felsic Gneiss (S)	Grey and white	Medium Grained	Well Foliated	Localized sections of 1-2% fine-medium grained blebby, and schlieren pyrrhotite.	15	0	>1	1
234.8	252.8	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Patchy medium-coarse grained blebby pyrrhotite. Intermixed granitic pegmatite sections.	5	15	Tr	2
252.8	262.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Coarse Grained	Moderately Well Foliated	Intermixed sections of granitic pegmatite, sercite and siliceous alteration. Pyrrhotite is associated with clots of quartz.	35	15	>1	1
262.0	275.2	Amphibolite	Dark\Light green and pink	Fine Grained	Well Foliated	Around 50% interlayered garnet biotite felsic gneiss within the unit. Blebby pyrrhotite is concentrate at the contacts between the interlayers. Localized sections of pyrrhotite grading into 2%, 2-3%.	15	10	>1	1-2
275.2	313.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz rich pegmatite sections, quartz veins, and veinlets. Small 10 cm sections grading into 1-2% pyrrhotite. Pyrrhotite is associated with bands of biotite and at the margin of quartz clots.	20	1	>1	1
313.7	341.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium-coarse	Moderately Well Foliated	Patchy pyrrhotite blebs. Patchy sillimanite crystals.	40	15	Tr	>1-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 180	Total Depth (m) 456	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 10/12/2011	Date Completed 17/12/2011	Date Logged Dec 10-17, 2011	Logged By Gabrielle Hosein		(m) degrees	Property Name Borden Lake	Easting 330094
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304116
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	14.5	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium grained	Weakly Foliated	Grey, white and pink, fine to medium grained, weakly foliated granitic felsic gneiss containing 2-5% biotite. Presence of potassic alteration. Unit contains <1% fine to medium grained disseminated pyrite and 0 to trace pyrrhotite.	2-5	0	<1	Tr
14.5	16.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately		5	0	Tr	Tr
16.1	21.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly-moderately well foliated	Grey, fine to medium grained, weakly to moderately foliated sedimentary felsic gneiss containing approximately 10-15% biotite, and interlayered with local sections of biotite felsic gneiss (5%, containing 30-35% biotite). Unit contains <1% fine to medium grained pyrite and trace pyrrhotite.	20-25	0	<1	Tr
21.0	22.0	UMLAMP Dike		Fine Grained	Dike					
22.0	25.7	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Weakly Foliated	Same as previous			Tr	Tr
25.7	27.7	Altered Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained, weak to moderately foliated altered sedimentary felsic gneiss interlayered with a fine to medium grained granitic felsic gneiss. Unit contains no visible sulphides.	5-10	0	Tr	Tr
27.7	30.5	Amphibole Felsic Gneiss	Dark Grey-dark green	Medium-coarse	Moderately well-well		5	0	Tr	Tr
30.5	38.5	Felsic Gneiss (S)	Grey	Coarse Grained	Weakly-moderately		15-20	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
38.5	39.9	UMLAMP Dike	Dark Grey	Fine Grained	Dike					
39.9	48.5	Felsic Gneiss (G)	Grey	Medium-coarse grained	Weakly-moderately well foliated	Grey-green-pink, medium to coarse grained, weakly foliated granitic felsic gneiss interlayered with sedimentary felsic gneiss (containing 10-15% biotite and 2-5% amphiboles). Presence of potassic alteration.	5-10	0	1	Tr
48.5	50.6	UMLAMP Dike	Dark Grey and white	Fine-medium	Dike	No visible sulphides.				
50.6	62.3	Clotty-felsic gneiss Amphibolite	Dark Green	Medium-coarse grained	Well Foliated	Dark green, medium to coarse grained, well foliated, amphibole felsic gneiss, intermixed with and containing clasts of sedimentary felsic gneiss (15% of unit). Clotty pyrite associated with sedimentary felsic gneiss.	5	0	<1-1	Tr
62.3	68.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Presence of potassic alteration (2-5%).	10-15	0	Tr-<1	Tr
68.7	70.8	Felsic Gneiss (QP)	Grey and white	Medium-coarse	Porphyroblastic		25-30	0	<1-1	Tr
70.8	81.2	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Presence of potassic alteration (20% of unit).	5-10	0	<1	Tr
81.2	83.7	Altered Amphibole Felsic Gneiss	Dark Green-Dark grey	Medium Grained	Moderately Well Foliated	Sericite altered amphibole felsic gneiss containing mm-scaled vugs.	15-20	0	Tr	Tr
83.7	87.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated		5	0	Tr	Tr
87.6	96.0	Felsic Gneiss (S)		Medium Grained	Weakly-moderately	Same as previous. Presence of 30-35% potassic alteration.	15-20	0	Tr-<1	Tr
96.0	106.8	Felsic Gneiss (S)	Grey-dark green	Medium Grained	Weakly Foliated	Sericite altered sedimentary felsic gneiss	10-15			
106.8	121.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized sections of 20-25% biotite (3-5%), and altered felsic gneiss containing vugs (2%)	10-15	0	<1	Tr-<1
121.8	128.2	Felsic Gneiss (QP)	Grey and white	Medium-coarse	Weakly-moderately	Same as previous.	15-20	0	Tr-<1	Tr
128.2	138.0	Altered Felsic Gneiss (S)	Grey-dark grey	Fine-medium	Weakly-moderately	Sericite altered sedimentary felsic gneiss, containing 15-20% biotite. Unit contains 1-2% medium grained, disseminated pyrite and trace pyrrhotite.	15-20	0	1-2	Tr
138.0	138.9	Felsic Gneiss (QP)	Grey, white and pink	Medium-coarse	Weakly Foliated		10-15	0	<1-1	Tr
138.9	139.5	Diabase Dike	Black	Fine Grained	Dike					
139.5	146.9	Felsic Gneiss (QP)				Same as previous.				

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
146.9	158.0	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Coarse grained pyrite and pyrrhotite associated with quartz and altered sections. Unit also contains fine to medium grained, disseminated pyrite.	10-15	0	1-2	1
158.0	164.8	UMLAMP Dike	Dark Grey-Black	Fine Grained	Dike				0	0
164.8	173.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly foliated	Interlayered with sericite altered sedimentary felsic gneiss (20-30%), presence of sericite veinlets (15-20%). Localized sections of biotite rich sedimentary felsic gneiss. Sulphides associated with biotite.	15-20	0	1	<1
173.1	180.7	Altered Felsic Gneiss (S)	Dark Grey-green	Medium Grained	Moderately Well Foliated		20-25	0	1-2	1
180.7	219.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well	Sericite veinlets(10%), intermixed with amphibole felsic gneiss (10% of unit).			1	<1-1
219.9	228.3	Amphibole Felsic Gneiss (S)	Dark Green-dark grey	Medium Grained	Well Foliated	Medium grained amphibole sedimentary felsic gneiss containing 60-65% amphibole, 10% biotite and 1% garnet. Unit contains 1% medium grained blebby and disseminated pyrite and <1% fine to medium grained disseminated pyrrhotite. Sulphides associated with local cm-scaled zones of felsic gneiss.	10	1	1	<1
228.3	239.7	Felsic Gneiss (S)	Variable Grey	Medium Grained	Moderately Well Foliated	Medium grained, moderately well foliated sedimentary felsic gneiss containing 5-10% biotite, with local zones of 15-20% biotite, no visible garnet. 234.6-235.4m: altered amohibole felsic gneiss containing 5% biotite and 60-65% amphibole. Presence of sericite (45%) and potassic (2%) alteration. Unit contains trace sulphides throughout.	5-10	0	Tr	Tr
239.7	249.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Medium grained sedimentary felsic gneiss containing 10-15% biotite, 20-30cm zones of amphibole felsic gneiss (15% of unit) and no visible garnet. Presence of potassic alteration (1% of unit).	10-15	0	<1-1	Tr
249.8	280.7	Felsic Gneiss (S)	Grey	Medium-coarse grained	Moderately Well Foliated	Grey, medium to coarse grained sedimentary felsic gneiss containing 10-15% biotite and no visible garnet. Presence of sericite and potassic alteration. Sulphides associated with local biotite rich sections. 258.8-259.6m: sedimentary felsic gneiss containung 1-3cm quartz clasts.	10-15%	0	<1-1	Tr-<1
280.7	305.2	Diabase Dike	Dark Grey	Fine Grained	Dike					
305.2	336.6	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately well-well		5-10	0	<1	<1
336.6	456.0	Diabase Dike	Dark Grey	Fine Grained	Dike	END OF HOLE				

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 311	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 12/12/2011	Date Completed 16/12/2011	Date Logged Dec.13-17	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 331356
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303218
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.8	Casing								
2.8	23.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Disseminated and blebby pyrite with increased sulfides associated with biotite.	10	0	1-2	Tr
23.7	28.2	Diorite	Grey and white	Medium Grained	Massive-weakly	27.7m - 7 cm quartz vein with 4 cm clotty vein of pyrite. Localized quartz spider veinlets.	30	0	1	Tr
28.2	49.1	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Localized quartz veins, and veinlets. Abundant potassic alteration.	15	0	1	Tr
49.1	82.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Blebby and disseminated pyrite (locally coarse grained) associated with biotite and quartz clots/veins. Intermixed granitic pegmatite sections.	10	0	1	Tr
82.9	111.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed sections of felsic gneiss (s). Disseminated, schlieren, and blebby pyrite-pyrrhotite.	40	10	1	1
111.3	124.1	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Weakly-moderately	Abundant potassic alteration of the groundmass.	5	0	1	Tr
124.1	125.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
125.3	128.3	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	70-30% mix of interlayered granitic and sedimentary felsic gneiss. Patchy coarse grained muscovite. Pyrite is associated with crystals of biotite.	10	0	1	Tr
128.3	134.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
134.4	137.0	Felsic Gneiss (G)	Pink	Coarse Grained	Weakly-moderately	Abundant potassic alteration.	3	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
137.0	141.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
141.2	146.9	Felsic Gneiss (G)	Pink	Medium-coarse	Weakly-moderately	Pervasive potassic alteration.	3	0	1	Tr
146.9	164.8	Garnet Biotite Felsic Gneiss	Variable Grey	Medium-coarse	Moderately Well Foliated	Blebbly and disseminated pyrrhotite-pyrite with localized sections of 2-3%. Intermittent sections of granitic pegmatite, and QFP.	30	3-5	1	1
164.8	207.7	Diorite	Grey, white, and pink	Medium-coarse	Massive-weakly	Localized pervasive potassic alteration. 177.6m- K-Feldspar pegmatitic vein with coarse 1-2 cm clots of pyrite.	25	0	1	Tr
207.7	211.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
211.1	239.0	Diorite	Grey and white	Coarse Grained	Massive-weakly	Localized potassic alteration, and quartz veins.	30	0	1	Tr
239.0	240.8	Biotite Felsic Gneiss	Grey	Fine Grained	Well Foliated	Localized granitic pegmatite, and quartz spider veinlets.	35	0	1	1
240.8	294.8	Diorite	Grey and white	Coarse Grained	Weakly-moderately	Localized quartz spider veinlets, with potassic alteration.	30	0	1	Tr
294.8	308.9	Felsic Gneiss (C)	Variable Grey	Coarse Grained	Banded	Patchy disseminated pyrite-pyrrhotite. 20% coarse grained, sub-angular-sub-rounded felsic clasts elongated in the S1 direction.	10-15	0	>1	>1
308.9	310.7	Diorite	Grey and white	Medium Grained	Massive-weakly	310.7 is the end of the hole.	30	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 388	Dip of Hole At Collar 85	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 11/12/2011	Date Completed 16/12/2011	Date Logged Dec 11-16, 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331001
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303617
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	6.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse	Weakly Foliated		5	0	Tr	Tr
6.2	18.9	Amphibole Felsic Gneiss	Dark Green-dark grey	Medium-coarse	Well Foliated		10-15	0	Tr	Tr
18.9	42.4	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Grey, white and pink, medium to coarse grained sedimentary felsic gneiss containing 5-10% biotite, 15-20% plagioclase and 30-35% potassic alteration. Unit contains <1% coarse grained clotty pyrite and trace pyrrhotite.	5-10	0	<1	Tr
42.4	53.0	Amphibole Felsic Gneiss	Dark Green-dark grey	Medium-coarse	Weakly-moderately	Same as previous. Unit contains <1% sporadic medium grained, clots of pyrite.	10-15	0	<1	Tr
53.0	76.0	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Presence of sericite (20-25%) and potassic (10%) alteration, and hematite (5%). Disseminated pyrite throughout unit; clotty pyrite associated with quartz vein at 71.8m.	5-10		1	Tr
76.0	82.1	Felsic Gneiss (S)	Grey and white	Medium-coarse	Well Foliated		15-20	0	<1	Tr-<1
82.1	87.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Presence of potassic alteration (2%).	10-15	0	Tr-<1	Tr
87.9	100.1	Felsic Gneiss (S)	Grey-Dark Grey-Dark	Medium Grained	Weakly Foliated	Localized sections of amphibolite (15% of unit). Presence 5-10cm scaled quartz veins (2-5% of unit).	5-10	<1	1-2	<1
100.1	103.3	Felsic Gneiss (S)	Grey and white	Medium Grained	Weakly-moderately	101.4-102.3m: quartz vein, contains no visible sulphides.	15-20	0	<1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
103.3	113.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Disseminated and clotty sulphides associated with local sections of biotite rich felsic gneiss. Presence of quartz vein and clasts (2-3%), sericite veinlets (1-2%) and vuggy sericite altered felsic gneiss (1%).	5-10	0	1-2	1
113.9	116.5	Altered Amphibole Felsic Gneiss	Dark Grey-Dark green	Medium Grained	Well Foliated		10-15	0	1	Tr-<1
116.5	117.6	Altered Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Grey with bluish tinge, Altered sedimentary felsic gneiss	5	0	1	Tr
117.6	118.5	Altered UMLAMP Dike	Dark Grey	Medium Grained	Dike			0		
118.5	120.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous.	10-15	0	Tr	Tr
120.6	124.5	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	122.7-123m:UM/LAMP dike	15-20	0	<1	Tr-<1
124.5	174.7	Felsic Gneiss (S)	Grey	Medium grained	Weakly-moderately well foliated	Grey, medium grained, weak to moderately foliated sedimentary felsic gneiss containing 15-20% biotite and interlayered with a coarser grained sedimentary felsic gneiss (15% of unit) Presence of sericite alteration (1-2%) and quartz veining and clasts (1-2% at the beginning of the unit). 125.4-125.7m: UM/LAMP dike. Coarser grained sulphides are present at the beginning of the unit (to approximately 143m) and associated with quartz. 143-143.3m: section of amphibole sedimentary felsic gneiss (no visible sulphides).	15-20	0	<1-1	<1
174.7	193.1	Altered Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Altered sedimentary gneiss containing 3-5% sericite alteration and <1% potassic alteration. Unit contains 15-20% biotite and 1-2% hematite.	15-20	0	<1-1	Tr-<1
193.1	207.3	Amphibole Felsic Gneiss	Grey-dark green	Medium grained	Weak to moderate foliation	Grey-dark green, medium grained, weak to moderately foliated amphibole felsic gneiss containing 5-10% biotite and 55-60% porphyritic amphibole. No visible garnet. Unit contains <1% fine grained disseminated pyrite and trace pyrrhotite. Interlayered with sed felsic gneiss.	5-10	0	<1	Tr
207.3	208.7	UMLAMP Dike	Dark Grey	Fine-medium	Dike	Dike (60% of unit) is interlayered with a section of amphibole felsic gneiss (40% of unit).				
208.7	228.5	Amphibole Felsic Gneiss	Grey-dark green	Medium Grained	Weakly-moderately	Same as previous, increasing amphibole content downhole (65-70% of unit). 222.3-222.7m: UM/LAMP dike				
228.5	246.5	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated		5-10	0	1	Tr-<1
246.5	256.6	Felsic Gneiss (S)		Medium Grained	Well Foliated					
256.6	262.0	UMLAMP Dike	Dark Grey	Fine Grained	Dike					
262.0	267.1	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately		10-15	0	1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
267.1	274.7	Felsic Gneiss (S)	Dark Grey	Medium Grained	Moderately Well Foliated		20-25	0	1-2	1
274.7	284.9	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated		10-15	0	<1-1	Tr-<1
284.9	295.4	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Moderately Well Foliated	Intermixed with amphibolite. No visible garnet. 293 to 293.6m: quartz vein	15-20	0	1	1
295.4	298.0	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium	Moderately Well Foliated	Sulphides associated with local biotite rich sections.	25-30	5-7	1-2	1-3
298.0	300.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Unit contains local biotite rich sections (1-2%) and potassic alteration (5%).	15-20	<1	1	<1-1
300.6	302.8	UM\LAMP Dike	Grey	Fine Grained	Dike	Plagioclase feldspar crystals are outlined with a blue tinge			0	0
302.8	304.3	Altered Felsic Gneiss (S)	Blue grey	Fine-medium	Moderately Well Foliated	Sedimentary felsic gneiss altered by the UM/LAMP dike. Presence of potassic (5-10%) alteration.	5	0	Tr	Tr
304.3	308.9	UM\LAMP Dike	Grey	Fine Grained	Dike					
308.9	310.4	Altered Felsic Gneiss (S)				Same as previous				
310.4	322.8	Garnet Biotite Felsic Gneiss	Grey-dark grey	Fine-medium	Moderately Well Foliated		30-35	5-10	1-3	1-2
322.8	324.3	UM\LAMP Dike	Dark Grey	Fine Grained	Dike					
324.3	329.6	Felsic Gneiss (S)		Medium Grained	Moderately Well Foliated		15-20	0	1	<1
329.6	330.9	UM\LAMP Dike	Grey-blue	Fine Grained	Dike	Altered UM/LAMP dike containing phenocrysts of biotite and plagioclase feldspar	10-15		0	0
330.9	339.0	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Interlayered with biotite felsic gneiss (20% of unit). 336-336.6m: QP felsic gneiss.	20-25	0	1-2	1
339.0	341.4	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately		15-20	0	1	<1-1
341.4	350.6	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	sedimentary felsic gneiss containing 15-20% biotite. Presence of potassic alteration. Sulphides associated with biotite local biotite rich zones.	15-20	0	1	<1
350.6	353.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Sedimentary felsic gneiss interlayered with a coarse grained pegmatite. Presence of potassic alteration. Coarser grained sulphides associated with pegmatite. (355.5-356.5m altered blue-grey ultramafic dike)	15-20	0	1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
353.3	361.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		15-20	0	1	<1
361.7	374.8	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Presence of sericite (veining and alteration, 25% increasing downhole), quartz veining (10%, increasing downhole) and potassic (10%) alteration.	15	0	Tr-<1	Tr
374.8	386.5	Amphibolite	Dark Grey-dark green	Medium Grained	Moderately Well Foliated		2-5	5-10	Tr	Tr
386.5	388.0	Felsic Gneiss (S)	Dark Grey-dark green	Medium Grained	Moderately Well Foliated	Sedimentary felsic gneiss containing 10-15% biotite, and 40-45% sericite alteration. Trace sulphides. END OF HOLE	10-15	Tr	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 444	Bearing of Hole from true North 205	Total Depth (m) 371	Dip of Hole At Collar 70	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 16/12/2011	Date Completed 12/01/2012	Date Logged Dec.17 2011-Jan.13	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331356
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303218
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.3	Casing								
2.3	92.0	Felsic Gneiss (S)	Grey	Fine-medium grained	Well Foliated	Fine grained disseminated pyrite-pyrrhotite, localized coarse grained blebs of pyrite-pyrrhotite. Localized interlayers of clotty-felsic gneiss, and diorite. 90m- 4x10 cm vein of pyrite at the margin of a granitic pegmatite section.	15	0	>1-1	>1-1
92.0	99.3	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized sections of 1-2% fine grained schlieren and disseminated pyrite. Abundant quartz and quartz-carbonate spider veinlets.	5	0	1-2	>1
99.3	139.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed sections of granitic pegmatite, and localized quartz spider veinlets.	15	0	1-2	>1-1
139.5	141.6	Amphibole Felsic Gneiss	Pink	Medium Grained	Porphyroblastic	Matrix of the unit is pervasively potassically altered.	1	0	>1-1	Tr
141.6	158.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Fine grained disseminated and schlieren pyrite often associated with bands of biotite and the margins of quartz clots.	15	0	1-2	Tr
158.5	170.0	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized quartz spider veinlets.	5	0	1	Tr
170.0	189.3	Felsic Gneiss (S)	Variable Grey	Fine-medium	Well Foliated	Intermittent granitic pegmatite sections, and quartz spider veinlets.	10	0	1	Tr
189.3	207.9	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Fine disseminated and coarse grained blebby pyrite, associated with coarse grained booklets of biotite within intermixed granitic pegmatite sections.	5	0	1-2	Tr
207.9	216.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Medium Grained	Moderately Well Foliated	Patchy bundles of fine grained sillimanite crystals.	35	5	1-2	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
216.3	222.2	Diorite	Grey, white, and pink	Coarse Grained	Massive-weakly	Abundant potassic alteration.	30	0	>1	Tr
222.2	238.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine grained disseminated and schlieren pyrrhotite-pyrite. Intermixed clots of granitic pegmatite.	20	0	>1-1	>1-1
238.6	258.2	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Fine grained schlieren and blebby pyrrhotite. 40% intermittent felsic gneiss sections.	10	7	>1	1-2
258.2	267.2	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Moderately Well Foliated	Intermixed granitic pegmatite sections. Localized coarse grained blebs pyrrhotite.	30	10	>1	1
267.2	270.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
270.5	281.3	Felsic Gneiss (S)	Variable Grey	Fine-medium	Well Foliated	279.7m- 6 cm massive band of massive.	15	0	Tr	1-2
281.3	283.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
283.0	308.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine disseminated, schlieren and coarse grained blebby pyrrhotite. Localized quartz clots.	20	0	Tr	1-2
308.7	324.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets, and veins. Patchy pyrrhotite.	30	10	>1	>1-1
324.4	326.5	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Massive-weakly	30% milky white coarse grained irregular shaped subangular-subrounded quartz phenocrysts in a fine grained felsic groundmass.	10	0	>1	Tr
326.5	359.4	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized sections of 1% grading into 1-2% fine grained disseminated and schlieren pyrite-pyrrhotite. Patchy fine-medium grained garnet porphyroblasts. Intermixed 10 cm sections of granitic pegmatite.	20	>1	>1-1	>1-1
359.4	371.0	Felsic Gneiss (S)	Grey and white	Coarse Grained	Weakly-moderately	Unit coarse grained overall with small >1m fine grained felsic gneiss interlayers. Significant drop in sulfide percentage. 371m is the end of the hole.	10-15	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 453	Bearing of Hole from true North 205	Total Depth (m) 371	Dip of Hole At Collar 55	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 16/12/2011	Date Completed 13/01/2012	Date Logged Dec16,2011- Jan13,2012	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330805
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303697
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.0	Casing								
6.0	31.2	Felsic Gneiss (G)	Grey, white, and pink	Medium-coarse grained	Weakly-moderately well foliated	Grey, white and pink, medium to coarse grained, weakly to moderately foliated granitic felsic gneiss. Presence of local potassic alteration veinlets (1-2%). Unit contains 1-3% medium to coarse grained, disseminated pyrite and no visible pyrrhotite.	1-5	0	1-3	Tr
31.2	33.9	Felsic Gneiss (S)	Dark grey-dark green	Fine-medium grained	Weakly Foliated	Dark grey-dark green fine to medium grained, weakly foliated sedimentary felsic gneiss consisting of 15-20% biotite. Local biotite rich sections. Presence of sericite-chlorite-epidote alteration (15%). Contains 1-2% medium grained, disseminated pyrite and Tr-<1% fine grained, disseminated pyrrhotite.	15-20	0	1-2	Tr-<1
33.9	43.6	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Same as previous	1-5	0	1-2	<1
43.6	46.1	Altered Felsic Gneiss (S)	Grey-dark green	Medium Grained	Weakly Foliated	Grey-dark green, medium grained, weakly foliated sericite-chlorite-epidote (65%) altered sedimentary felsic gneiss consisting of 10-15% biotite. Unit contains 2-5% medium and very coarse grained disseminated pyrite and <1-1% fine grained disseminated pyrrhotite. Sulphides are associated alteration zones.	10-15	0	2-5	<1-1
46.1	50.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Sulphides associated with local biotite rich sections (3% of unit)	5-10	0	1-2	<1
50.8	55.9	Felsic Gneiss (S)	Grey	Fine-medium grained	Moderately Well Foliated	Grey, medium grained moderately foliated sedimentary felsic gneiss containing 15-20% biotite. Presence of sericite-chlorite-epidote alteration (5-10% of unit). Unit contains 1-3% medium to coarse grained disseminated pyrite associated with local alteration zones, and <1% fine grained disseminated pyrrhotite.	15-20	0	1-3	<1
55.9	61.1	Diorite	Grey, white, and pink	Medium-coarse	Weakly Foliated		10	0	<1-1	Tr-<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
61.1	65.4	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		15-20	0	<1-1	Tr
65.4	68.2	Felsic Gneiss (S)	Grey	Fine-medium grained	Well Foliated	Grey, fine to medium grained, well foliated sedimentary felsic gneiss consisting of 15-20% biotite. Unit contains 1-3% fine to medium grained, disseminated and streaky pyrite, and trace pyrrhotite.	15-20	0	1-3	Tr
68.2	76.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Grey, medium grained, weakly foliated sedimentary gneiss containing 15-20% biotite. Unit contains <<1% medium grained pyrite and trace pyrrhotite (not visible).	15-20	0	<<1	Tr
76.8	93.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately well foliated	Grey, medium grained, weak to moderately foliated sedimentary felsic gneiss containing 15-20% biotite. Presence of local sericite-chlorite-epidote alteration (2-5% of unit). Unit contains 1-2% fine to medium grained, disseminated pyrite and trace to <<1% pyrrhotite.	15-20	0	1-2	Tr-<1
93.0	98.9	Felsic Gneiss (S)	Dark Grey	Medium Grained	Well Foliated	Dark grey, medium grained, well foliated felsic gneiss interlayered with sections of biotite felsic gneiss (containing 55-60% biotite, and approx. 25-30% of unit). Unit contains 3-5% medium grained, blebby pyrite and 2-4% medium grained, blebby pyrrhotite. Sulphides are associated with biotite rich sections.	25-30	0	3-5	2-4
98.9	101.9	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous.	10-15	0	<1-1	Tr
101.9	111.9	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Moderately Well Foliated	Biotite felsic gneiss interlayered with sedimentary felsic gneiss (10-15% biotite and makes up 30% of the unit) and 10-15cm scaled sections of amphibole felsic gneiss (containing 75-80% amphibole and makes up 2-5% of unit). Presence of chlorite alteration.	55-60		2-4	3-4
111.9	115.4	Felsic Gneiss (QP)	Grey and white	Medium-coarse	Weakly Foliated		10-15	0	Tr	Tr
115.4	119.7	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Sulphides associated with quartz-sericite-chlorite veinlets.	10-15	0	1-2	Tr
119.7	124.8	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Grey and white, medium grained, weakly foliated quartz pebble felsic gneiss containing 15-20% biotite and 55-60% quartz (<5mm grain size). Unit contains <1% fine to medium grained disseminated pyrite and trace to <<1% pyrrhotite.	10-15	0	<1	Tr-<<1
124.8	143.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Grey, medium grained, moderately well foliated sedimentary felsic gneiss interlayered with amphibole felsic gneiss (35% of unit).	15-20	0		
143.8	146.5	Felsic Gneiss (QP)	Grey and white	Medium Grained	Weakly Foliated	Same as previous.			<1	Tr-<<1
146.5	157.4	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Weakly-moderately	Sedimentary felsic gneiss interlayered with biotite felsic gneiss (30-35% of unit), and amphibole felsic gneiss (2% of unit)	25-30	0	1-2	1
157.4	160.3	Felsic Gneiss (S)	Grey	Medium Grained	Banded and foliated		20-25	0	<1-1	Tr-<<1
160.3	164.7	Felsic Gneiss (S)	Dark Grey	Medium Grained	Massive-weakly	Unit contains 0.4m quartz vein (no associated sulphides) at 162.6m	25-30	0	<1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
164.7	186.6	Felsic Gneiss (S)	Grey	Medium Grained	Moderately well-well Foliated	Grey, medium grained, moderately well foliated sedimentary felsic gneiss containing 10-15% biotite, 1-3% muscovite and no visible garnet. Presence of potassic (15-20%) alteration and quartz veins (~5% of unit).	10-15	0	<<1	Tr
186.6	189.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Dark grey, fine to medium grained, moderately well foliated garnet biotite felsic gneiss containing 70-75% biotite and 5-8% garnet and intermixed with sections of felsic gneiss (10% of unit) and chlorite-sericite altered sedimentary felsic gneiss (5% of unit).	70-75	5-8	1-2	1-3
189.1	192.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Same as previous.	10-15		<1-1	1-2
192.5	200.8	Biotite Felsic Gneiss	Dark Grey-Grey	Medium Grained	Moderately Well Foliated	Dark grey-grey, medium grained, moderately well foliated biotite felsic gneiss containing 60-65% biotite and trace to <1% garnet. Unit contains 1-3% fine-medium grained schlieren pyrite and 3-5% fine to medium grained schieren and clotty pyrrhotite. Clotty pyrrhotite is associated with quartz.	60-65	<1	1-3	3-5
200.8	210.9	Garnet Biotite Felsic Gneiss	Dark Grey-grey	Fine-medium grained	Moderately Well Foliated	Dark grey-grey, medium grained, moderately well foliated garnet biotite felsic gneiss containing 60-65% biotite, and interlayered with a grey medium grained sedimentary felsic gneiss (20-25% biotite and 2-5% of unit).	75-80	5-8	1-2	3-5
210.9	219.5	Garnet Biotite Felsic Gneiss	Dark Grey	Medium-coarse grained	Moderately Well Foliated	Dark grey, medium-coarse grained, moderately well foliated garnet biotite felsic gneiss containing 75-80% biotite and 6-10% garnet. Unit contains 2% medium to coarse grained, schlieren and clotty pyrite and 4-6% medium to coarse grained clotty and schlieren pyrrhotite. Coarser grained sulphides associated with quartz clasts and veins. 215.6-216.5m: altered ultramafic dike and pegmatite containing <1% fine to medium graine, schieren pyrite and pyrrhotite.	75-80	6-10	2	4-6
219.5	223.5	Amphibole Felsic Gneiss	Variable Grey-Dark	Medium Grained	Well Foliated	Variable grey-dark green medium grained well foliated amphibole felsic gneiss interlayered with altered sedimentary felsic gneiss.	5-10	0	<1	<1
223.5	228.0	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Same as previous.	10-15	<<1	<1-1	<1
228.0	229.2	Altered Felsic Gneiss (S)	Grey-Blue	Medium Grained	Well Foliated		15-20		1	<1
229.2	234.9	Felsic Gneiss (S)	Dark grey-grey	Medium grained	Moderate foliation	Dark grey-grey medium grained, moderately foliated sedimentary felsic gneiss containing 25-30% biotite and interlayered with garnet biotite felsic gneiss.	25-30	2	1-2	<1-1
234.9	238.0	Amphibole Felsic Gneiss	Dark Grey-dark green	Medium-coarse	Well Foliated	Interlayered with a quartz pebble felsic gneiss (235.6-236m).	15-20	<1	<1	<1
238.0	246.3	Garnet Biotite Felsic Gneiss	Dark Grey-Black	Medium-coarse	Weakly-moderately		75-80	7-10	2	3-5
246.3	272.0	Biotite Felsic Gneiss	Grey-Dark grey	Medium-coarse grained	Weakly-moderately well foliated	Grey-dark grey, medium to coarse grained, weak to moderately foliated biotite felsic gneiss (55-60% biotite) interlayered with a medium grained, weakly foliated sedimentary felsic gneiss (15-20% biotite). Local sections of garnet biotite felsic gneiss.	55-60	2-4	1-3	2-4

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
272.0	278.0	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Weakly-moderately	Sedimentary felsic gneiss interlayered with quartz pebble felsic gneiss.	15-20	0	1	<1
278.0	282.5	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Weakly-moderately well foliated	Grey-dark grey, medium grained, weak to moderately foliated sedimentary felsic gneiss consisting of 15-20% biotite, and <1% garnet. Unit contains 1-2% fine to medium grained pyrite and 1-3% fine to medium grained pyrrhotite associated with localized biotite rich zones.	15-20	<1	1-2	1-3
282.5	285.2	Amphibole Felsic Gneiss	Dark Green-Dark grey	Medium-coarse grained	Weakly-moderately well foliated	Dark green-dark grey, medium to coarse grained, weak to moderately foliated amphibole felsic gneiss (contains sections resembling clotted amphibole felsic gneiss). Unit consists of 20-25% biotite and no visible garnet. Contains 1-2% fine to medium grained, disseminated pyrite and 1% fine to medium grained disseminated pyrrhotite. Sulphides associated with local sections of high biotite content.	20-25	0	1-2	1
285.2	300.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		10-15	0	<1-2	<1-1
300.1	302.2	UMLAMP Dike		Fine Grained						
302.2	303.0	Altered UMLAMP Dike		Fine Grained		Grey-blue, fine grained altered UM/LAMP dike.				
303.0	304.2	UMLAMP Dike		Fine Grained		Contains coarse grained plagioclase crystals.				
304.2	308.3	Amphibole Felsic Gneiss	Dark Grey, white and dark green	Medium-coarse grained	Weakly-moderately well foliated	Dark grey, white and dark green, medium to coarse grained, weak to moderately foliated amphibole felsic gneiss interlayered with felsic gneiss. Unit contains <1% fine grained disseminated pyrite and <<1% fine grained, disseminated pyrrhotite.	5-10	0	<1	<<1
308.3	334.8	UMLAMP Dike	Grey-dark grey	Fine Grained	Massive	Grey-dark grey, fine grained, massive UM/LAMP Dike consisting of medium grained plagioclase crystals (30-35% of unit 2mm-4mm).				
334.8	352.9	Amphibolite	Dark Green-Dark grey	Fine-medium grained	Weakly-moderately well foliated	Dark-green-dark grey, fine to medium grained, moderately foliated amphibolite interlayered with sedimentary felsic gneiss (10% of unit). Presence of 0.3m section of UM/LAMP dike at 339m. Unit contains <1-1% fine to medium grained, disseminated pyrite and <<1% fine grained, disseminated pyrrhotite.	<5	2-5	<1-1	<<1
352.9	353.9	Pegmatite	White, grey, pink, green, black	Coarse-very coarse grained	Massive	White, grey, pink, green, black, coarse to very coarse grained, massive pegmatite, containing «1% fine grained disseminated pyrite and trace to «1% fine grained, disseminated pyrrhotite.	2	0	«1	Tr-«1
353.9	357.3	Felsic Gneiss (S)	Grey-dark green	Medium Grained	Moderately Well Foliated	Grey-dark green medium grained, moderately foliated sedimentary felsic gneiss interlayered with 10-20cm sections of amphibole felsic gneiss/amphibolite (15% of unit). Localized zones of higher biotite content (2-5% of unit). Sulphides associated with sedimentary felsic gneiss layers.	10-15	<1-2	<1	1
357.3	371.0	Amphibolite	Dark Green, Dark grey	Fine-medium	Weakly Foliated	Dark green-dark grey, fine to medium grained, moderately foliated amphibolite. Sulphides are present at 362m -no specific association. End of hole	<3	5-10	<<1	<1-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 453	Bearing of Hole from true North 205	Total Depth (m) 354	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 18/12/2011	Date Completed 14/01/2012	Date Logged Dec18,2011- Jan14,2012	Logged By Gabrielle Hosein		(m) degrees	Property Name Borden Lake	Easting 330365
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303910
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.5	Casing								
6.5	7.3	Diorite	Grey, white, and pink	Medium-coarse	Weakly-moderately		5	0	Tr-<<1	Tr
7.3	23.1	Altered Felsic Gneiss (S)	Dark grey-pink	Medium Grained	Weakly Foliated	Dark grey-pink medium grained, weakly foliated sedimentary felsic gneiss containing 10-15% biotite, presence of potassic alteration(35-40% of unit). 18.8-19.4m: potassic altered amphibole felsic gneiss. Unit contains trace to <<1% fine grained disseminated pyrite and trace pyrrhotite (not visible).	10-15	0	Tr-<<1	Tr
23.1	25.1	Amphibole Felsic Gneiss	Grey-dark green	Medium Grained	Moderately well-well Foliated	Grey-dark green, medium grained, moderately-well foliated amphibole felsic gneiss containing 10-15% coarse grained (<5mm) biotite. Presence of potassic alteration. Unit contains <1% fine grained disseminated pyrite.	10	0	<1	Tr
25.1	52.4	Felsic Gneiss (S)	Grey	Fine-medium grained	Weakly Foliated	Grey, fine to medium grained weakly foliated sedimentary felsic gneiss containing 15-20% biotite, with local sections of increased biotite content. Unit contains <1-1% fine to medium grained disseminated pyrite and <<1% fine grained disseminated pyrrhotite. Coarser grained sulphides associated with quartz vein (<1% of unit) sections of higher biotite content.	15-20	0	<1-1	<<1
52.4	56.5	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Sedimentary felsic gneiss unit (same as previous) interlayered with pegmatite. Sulphides associated with local sections of increased biotite content and pegmatite.	15-20	0	1	<1
56.5	66.4	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated		15-20	0	<1-1	<<1
66.4	73.5	Biotite Felsic Gneiss	Dark Grey	Medium Grained	Well Foliated		55-60	0	<1-1	<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
73.5	81.5	Felsic Gneiss (QP)	Grey and white	Medium-coarse	Weakly-moderately	mm-scaled quartz phenocrysts (30-35% of unit)	10	0	Tr-<<1	Tr
81.5	86.0	Felsic Gneiss (S)	Grey	Fine-medium	Weakly Foliated		10-15	0	<1	Tr
86.0	89.8	Felsic Gneiss (S)	Grey-red	Fine-medium	Weakly Foliated	Hematite (45% of unit) altered sedimentary felsic gneiss. Possible mm grain of visible gold at 89.4m	10-15	0	<1-1	Tr
89.8	100.0	UMLAMP Dike	Grey	Fine Grained	Dike	Intruding a diabase dike				
100.0	106.2	Felsic Gneiss (G)	Grey, white, and pink	Fine-medium	Weakly Foliated		2-5	0	<1-1	<<1
106.2	116.6	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated		10-15	0	<1	Tr-<1
116.6	136.5	Felsic Gneiss (S)	Grey	Medium-coarse	Weakly-moderately	Grey, medium to coarse grained weakly to moderately foliated sedimentary felsic gneiss interlayered with a granitic felsic gneiss (15-20% of unit).	10-15	0	<1-1	<1
136.5	140.0	Felsic Gneiss (G)	Grey	Coarse Grained	Weakly Foliated		2	0	<1	<1
140.0	146.1	Felsic Gneiss (S)	Grey	Medium Grained	Weakly Foliated	Potassically altered sedimentary felsic gneiss.	5-10	0	<<1	<<1
146.1	147.5	Felsic Gneiss (G)				Same as previous				
147.5	152.3	Felsic Gneiss (S)				Same as previous				
152.3	153.2	UMLAMP Dike		Fine Grained	Dike					
153.2	161.4	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Grey, medium grained weakly to moderately foliated sedimentary felsic gneiss containing 10-15% biotite and local sections of 20-25% biotite.	10-15	0	<1-1	1
161.4	167.4	Amphibole Felsic Gneiss	Dark Green	Fine-medium	Weakly Foliated	Intermixing of amphibole felsic gneiss and sedimentary felsic gneiss.	2-5	0	1	1-2
167.4	173.2	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Weakly-moderately	Local biotite rich sections. Coarse grained pyrrhotite associated with biotite felsic gneiss.	20-25	<1	1-2	2-4
173.2	180.3	Amphibole Felsic Gneiss	Dark Green-dark grey	Fine-medium	Massive-weakly	Dark green-dark grey, fine to medium grained, massive to weakly foliated amphibole felsic gneiss interlayered with sedimentary felsic gneiss.	10-15	<1	<1-1	<1
180.3	185.7	Felsic Gneiss (S)	Dark Grey-Grey	Medium Grained	Weakly-moderately	Interlayered with garnet biotite felsic gneiss.	15-20	4-8	<1	<1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
185.7	188.6	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Moderately Well Foliated		10	0	<1	1-2
188.6	201.4	Felsic Gneiss (S)	Grey	Fine to medium	Weakly foliated	Grey, fine to medium grained, weakly foliated sedimentary-granite felsic gneiss containing 5% biotite and 55-60% muscovite.	5	0	1	<<1
201.4	211.0	Felsic Gneiss (S)	Grey-Dark grey	Medium Grained	Weakly-moderately well foliated	Interlayering of a medium grained sedimentary felsic gneiss (approx. 65% of unit, and containing 5-10% biotite) and granitic felsic gneiss (approx. 35% of unit, and containing 20-25% muscovite).	5-10	1-2	1-2	<1-1
211.0	212.4	Felsic Gneiss (QP)	Grey and white	Medium Grained	Moderately Well Foliated	Grey and white, medium grained moderately foliated quartz pebble felsic gneiss containing 10-15% biotite and 15-20% quartz.	10-15	0	<1-1	Tr- <1
212.4	217.7	Felsic Gneiss (G)	Light Grey	Medium Grained	Weakly-moderately	Granitic felsic gneiss interlayered with local section of biotite felsic gneiss (5% of unit, 60-65% biotite and 2-5% garnet).	2-5	<1		
217.7	222.9	Garnet Biotite Felsic Gneiss	Dark Grey-Grey	Medium Grained	Moderately Well Foliated	Dark grey-grey, medium grained moderately foliated garnet biotite felsic gneiss interlayered with sedimentary felsic gneiss (35-40% of unit, 10-15% biotite and <1% garnet).	70-75	5-10	<1-1	1
222.9	226.5	Felsic Gneiss (G)	Grey	Medium-coarse	Weakly-moderately	Same as previous, higher sulphide content surrounding quartz veins and clasts	5	0	<1	<1
226.5	230.6	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Moderately Well Foliated	Sedimentary felsic gneiss consisting of 15-20% biotite and containing a 0.4m section of garnet biotite gneiss (227-227.4m). Sulphides associated with sections containing higher biotite.	15-20	2	1-2	1
230.6	236.6	Altered Felsic Gneiss (S)	Grey-dark green	Medium Grained	Weakly-moderately	Grey-dark green, medium grained, weak to moderately foliated altered sedimentary felsic gneiss, with 35-40% sericite-chlorite alteration.	10	0	<1	<<1
236.6	244.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Grey-dark green, medium grained, moderate to well foliated sedimentary felsic gneiss consisting of 15-20% biotite and 20-25% amphibole. Localized sections of higher biotite content.	10-15	<1	<1-1	1-2
244.9	246.8	Felsic Gneiss (QP)	Grey and white	Medium-coarse	Weakly Foliated	Grey-white, medium to coarse grained, weakly foliated quartz pebble felsic gneiss containing 10-15% biotite and 40-45% angular quartz crystals (2mm-6mm).	10-15	0	1-2	<1
246.8	249.5	UMLAMP Dike		Fine Grained		Interlayered with a 0.4m section of diorite at 248.8m				
249.5	254.8	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately		15-20		1	<1
254.8	256.2	Pegmatite		Coarse-very coarse	Massive	Sulphides associated with biotite.	10		<1	<<1
256.2	297.3	Felsic Gneiss (S)	Grey	Medium Grained	Weakly-moderately	Sections of altered sedimentary felsic gneiss (5% of unit). Presence of calcite-quartz veining at the end of unit. 266-268.2: blocky and broken core	15-20	0	1-2	<<1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
297.3	302.1	Felsic Gneiss (S)	Grey-dark grey	Medium Grained	Weakly-moderately well foliated	Grey-dark grey, medium grained, weak to moderately foliated sedimentary felsic gneiss containing 10-15% biotite and <1% garnet. Presence of local amphibolite sections (<5% of unit). <<1% fine grained disseminated pyrite and trace to <<1% fine grained disseminated pyrrhotite.	15-20	<1	«1	Tr-«1
302.1	303.1	Garnet Biotite Felsic Gneiss	Dark Grey	Fine-medium grained	Moderately Well Foliated	Dark grey, fine to medium grained, moderately well foliated garnet biotite felsic gneiss consisting of 60-65% biotite and 5-10%garnet. Presence of amphibole sections (<2% of unit). Sulphides present at beginning and end of unit and is associated with light green chlorite bands (1-3cm).	60-65	5-10	<<1	<1-1
303.1	304.4	Felsic Gneiss (S)	Grey-dark green	Medium Grained	Weakly-moderately well foliated	Grey-dark green, medium grained, weak-moderately foliated sedimentary felsic gneiss, interlayered with amphibolite (5-10% of unit) and consisting of 10-15% biotite and <1% garnet.	10-15	<1	<1	<<1
304.4	347.2	Amphibolite	Dark Green-dark grey	Medium Grained	Weakly-moderately	Dark green to dark grey, medium grained amphibolite interlayered with sedimentary felsic gneiss (2-3% of unit).	5-10	1-2	Tr-<<1	Tr-<<1
347.2	348.2	Altered Felsic Gneiss (S)	Dark Grey, dark green	Fine-medium	Weakly-moderately	Dark grey-dark green, fine to medium grained, weak to moderately foliated sericite altered sedimentary felsic gneiss.	15-20	5-10	<1-1	<1
348.2	353.6	Amphibolite	Dark Grey	Medium Grained	Weakly Foliated		2-5	10	TTr-<<1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 446	Bearing of Hole from true North 205	Total Depth (m) 200	Dip of Hole At Collar 50	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 11/07/2011	Date Completed 12/07/2011	Date Logged July 11-12 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 330277
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303723
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.5	Casing								
3.5	24.5	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Intermixed 2 mica granite at upper contact, intermixed granitic felsic gneiss sections, and pegmatite intervals.	10-15	0	>1-1	Tr
24.5	36.5	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately well-well	Intermixed leached sections and coarse grained biotite.	15-20	0	1	Tr
36.5	37.4	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Intermixed spider veinets.	10	0	>1	>1
37.4	39.9	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Localized chlorite alteration.	5	0	1	1
39.9	45.1	Diorite	Grey and white	Medium Grained	Massive-weakly	Localized quartz clots, vugs, and potassic alteration.	30	0	>1	Tr
45.1	51.5	Amphibolite	Dark\Light Green	Fine-medium	Well Foliated	Same as previous.	5	0	1	1
51.5	52.7	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Sulfides associated with bands of biotite.	10	0	>1	Tr
52.7	57.6	Felsic Gneiss (C)	Grey and Green	Medium-coarse	Well Foliated	Unit is well banded, with coarse quartz clasts elongated in S1 direction, defining the banding. Localized coarse grained clots of pyrrhotite-pyrite.	20	0	2	1
57.6	61.6	Biotite Felsic Gneiss	Black and grey	Medium Grained	Well Foliated	Intermixed pegmatite clots	60	0	2	1
61.6	70.1	Pegmatite				Green, orange, white granitic pegmatite with 10% biotite felsic gneiss selvages. 1-2% pyrite-pyrrhotite in the biotite felsic gneiss selvages.	10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
70.1	85.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Blebbly, streaky and disseminated pyrrhotite-pyrite with localized coarse grained clots. Intermittent quartz and oegmatite clots (~10 cm).	60	5	1	2
85.3	90.0	Felsic Gneiss (C)	Grey and Green	Medium-coarse	Moderately Well Foliated	10% coarse clasts of quartz, and feldspar. Localized chlorite alteration, and vugs.	15	Tr	1	Tr
90.0	129.3	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium grained	Well Foliated	Localized coarse grained clots of pyrite-pyrrhotite. Intermixed pegmatite clots , spider veinlets, sections of lower biotite content. Sulfides often at the margins of pegmatite clots.	60	5	1-2	2
129.3	139.8	Felsic Gneiss (G)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Localized bundles of sillimanite, pegmatite clots, sericite and potassic alteration.	5	0	1	2
139.8	149.7	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Sulfides associated with biotite bands.	10	0	1	Tr
149.7	165.7	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Interlayers of amphibolite. Sections of 1-2% disseminated sulfides. Intermixed quartz clots with sulfides at the margin.	15	0	1	Tr
165.7	194.0	Felsic Gneiss (S)	Grey	Coarse Grained	Well Foliated	Intermixed amphibolite (hanging wall) layers, quartz clots, and spider veinlets.	10	0	1	Tr
194.0	200.0	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Footwall amphibolite. 200m is the end of the hole.	5	7	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 438	Bearing of Hole from true North 135	Total Depth (m) 293	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 28/08/2011	Date Completed 03/09/2011	Date Logged Aug. 29-Sept.3 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327862 Northing 5306193 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.3	Casing								
4.3	11.0	Amphibolite	Dark\Light Green	Fine Grained	Porphyroblastic	Unit is comprised of coarse grained anhedral-subhedral garnet porphyroblasts (.5-1.5 cm) in a fine grained amphibole groundmass. Pyrite is the predominant sulfide occurring as coarse blebs associated with vugs, and quartz clots. Pyrite also occurs as fine grained, thin veinlets, often replacing quartz(+/-carbonate) spider veinlets. Pyrrhotite occurs as medium-coarse grained blebs at the margins of quartz clots predominantly in the upper part of the unit. Localized chlorite, and sericite alteration. 4.3-5m - Unit is siliceous altered. Intermittent spider veinlets.	2	25	>1-1	>1-1
11.0	17.8	Amphibolite	Black and green	Fine Grained	Well Foliated	Unit is comprised of medium-coarse grained anhedral-subhedral garnet porphyroblasts, in a fine grained amphibole groundmass. Patchy fine grained pyrite associated with sericite\chlorite alteration zones. Abundant barren quartz (+/-carbonate) veins and veinlets Intermittent 1-2 cm bands of sericite alteration zones.	5	10	>1	Tr
17.8	29.4	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Fine grained well foliated felsic gneiss comprised of fine grained bands of biotite, in felsic groundmass. Abundant quartz spider veinlets.	15	0	>1	Tr
29.4	47.4	Amphibolite	Dark\Light green and pink	Fine Grained	Well Foliated	Unit comprised of slightly patchy fine-medium grained subhedral garnet porphyroblasts in a fine grained amphibole matrix. Abundant quartz (+/- carbonate) veinlets. Patchy sericitic and chloritic alteration. Abundant broken\blocky core, and fracture planes. Pyrrhotite is associated with but not exclusive to the alteration patches	5-10	5	Tr	>1
47.4	55.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Patchy fine-medium grained garnet porphyroblasts in a fine grained felsic groundmass. Abundant spider veinlets with sericite alteration. Localized medium-coarse grained blebby pyrrhotite, and pyrrhotite within spider veinlets.	5	1	Tr	1
55.9	57.7	Altered Felsic Gneiss (S)	Green	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration. Minor carbonate-quartz veins.	5	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
57.7	73.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine grained felsic gneiss. Abundant spider veinlets, and veins, with sericite alteration. Abundant broken\blocky core.	5-10	0	Tr	Tr
73.8	84.4	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Unit comprised of fine grained bands of biotite in a fine grained amphibole groundmass. Patchy quartz (+\carbonatite) veinlets, Broken\blocky core with abundant fracture planes (40* to ca). 81.6m - Fault with host rock gouge.	5-10	0	Tr	>1
84.4	86.8	UM\LAMP Dike	Black and white	Fine Grained	Massive					
86.8	92.1	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	>1	Tr
92.1	208.6	Ultramafic	Black and green	Fine-medium grained	Massive-weakly foliated	Fine-medium grained ultramafic unit with 5-10% disseminated magnetite. Unit is brecciated, has multiple fracture sets with slickenlines. Fractures planes have quartz-carbonate, and minor talc on them. Abundant serpentinization, and seritization in the brecciated portions of the unit. Patchy fine grained blebby pyrrhotite.	1	0	Tr	>1
208.6	211.0	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Fine grained felsic gneiss with medium grained siliceous fragments. Minor spider veinlets.	10	0	>1	Tr
211.0	259.7	Ultramafic	Black and green	Fine-medium	Banded	Same as previous.	1-2	0	Tr	Tr
259.7	260.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine grained felsic unit with coarse blebs of pyrrhotite. Pyrrhotite is associated with garnet and biotite.	10	2	Tr	2
260.9	293.4	Ultramafic	Grey and Green	Fine-medium	Banded	Same as previous. 293.4m is the end of the hole.	1	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 438	Bearing of Hole from true North 135	Total Depth (m) 326	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 04/09/2011	Date Completed 25/09/2011	Date Logged Sept 4-25 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327862 Northing 5306193 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	6.7	Casing								
6.7	15.0	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Fine grained siliceous felsic gneiss with patchy medium-coarse grained porphyroblastic garnet. Patchy blebby and vein pyrite. Abundant spider veinlets with sericite alteration. Patchy chlorite alteration.	2	5	1-2	
15.0	23.7	Amphibolite	Dark\Light green and pink	Fine Grained	Porphyroblastic	Coarse grained porphyroblasts of garnet within a fine grained amphibole groundmass. Patchy chlorite alteration, spider veinlets, quartz-carbonate veins. Patchy coarse blebs of pyrite.	5	10	1-2	Tr
23.7	82.7	Amphibolite	Dark\Light green and pink	Fine Grained	Moderately Well Foliated	Fine grained amphibolite with localized sections of patchy coarse grained garnet porphyroblasts. Pyrite-pyrrhotite is patchy and consists of sections of fine grained disseminated, medium grained blebby and veins. Abundant sericite alteration, and spider veinlets.	5	5	>1-1	>1-1
82.7	115.3	Amphibolite	Dark\Light green and pink	Fine Grained	Porphyroblastic	Coarse grained porphyroblasts of garnet in a fine grained amphibole matrix. Pyrrhotite occurs in localized sections of 3-4% medium grained blebby interstitial crystals forming between the garnet porphyroblasts. Pyrrhotite also occurs as localized blebs fine grained blebs. Pyrite is less prevalent occurring in localized veinlets. Localized spider veinlets, sericite alteration, and quartz-carbonate veins.	2	20	1	2-3
115.3	118.8	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Patches of fine grained biotite in a grained amphibole groundmass. Pyrrhotite is associated with biotite.	10	0	Tr	1
118.8	191.9	Amphibolite	Black and green	Fine Grained	Well Foliated	Spider veinlets. Intermixed quartz veins, with minor blebby sulfides at their margin.	10	0	Tr	1
191.9	194.0	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Pervasive sericite and siliceous alteration. Numerous carbonate veinlets. 192.5, 193.3m - 20 cm carbonate vein with vugs and well formed coarse grained crystals of calcite.	1	0	Tr	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
194.0	196.2	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Abundant quartz-carbonate veinlets.	2	1	Tr	Tr
196.2	197.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
197.4	239.8	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Abundant sericite alteration, and quartz-carbonate spider veinlets. 219-219.4m - Intermixed quartz pebble layer. 239m - 1x3 cm clot of pyrrhotite.	5	2	>1	>1-1
239.8	241.2	UMLAMP Dike	Black and white	Fine Grained	Massive	Magnetic.				
241.2	244.1	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	Abundant spider veinlets with sericite alteration.	30	1-2	>1	Tr
244.1	254.2	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Intermittent quartz spider veinlets, sections of pervasive sericite alteration. Pyrrhotite is most commonly found at the margins of the garnet porphyroblasts.	5	5	Tr	1-2
254.2	257.3	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Abundant sericite alteration around the spider veinlets. Pyrite-pyrrhotite is found within the garnet and biotite rich sections.	25	2	1	1
257.3	273.6	Felsic Gneiss (S)	Variable Grey	Medium-coarse	Moderately Well Foliated	Quartz rich unit with intermittent pervasive sericitic\potassic alteration. Patchy sulfides found at the margin of garnet porphyroblasts, and spider veinlets.	5	1	>1-1	>1-1
273.6	280.0	Amphibolite	Grey and Green	Medium Grained	Moderately Well Foliated	Abundant spider veinlets, and patchy chlorite alteration.	5	0	>1-1	1
280.0	287.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermittent silicified sections, and chlorite alteration. Abundant spider veinlets.	5	0	>1-1	1
287.0	300.7	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Abundant spider veinlets.	5	0	>1	1
300.7	316.5	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	Intermittent silicified, and pervasively altered sericitically altered sections. Abundant quartz spider veinlets with well developed alteration haloes.	2	0	>1	1
316.5	326.0	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized quartz spider veinlets, chlorite alteration and patchy spider veinlets. 326m is the end of the hole.	5	0	Tr->1	Tr->1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 442	Bearing of Hole from true North 135	Total Depth (m) 241	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 25/09/2011	Date Completed 28/09/2011	Date Logged Sept.25-28 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 328160 Northing 5306405 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	5.9	Casing								
5.9	19.4	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Intetmittent cm-scale diorite intrusions, and abundant spider veinlets.	2-3	0	>1	1
19.4	23.1	Diorite	Grey, white, and pink	Medium-coarse	Weakly-moderately	Comprised of medium-coarse grained feldspar and quartz in and fine grained felsic and biotite rich groundmass. Abundant potassic alteration and spider veinlets.	30	0	>1-1	Tr
23.1	28.0	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Same as previous.	2-3	0	Tr	Tr
28.0	38.6	Diorite	Grey, white, and pink	Medium-coarse	Weakly-moderately	Same as previous.	30	0	>1-1	Tr
38.6	54.8	Amphibolite	Dark\Light green and	Fine-medium	Well Foliated	Patchy garnet porphyroblasts, quartz veins, and sericitically altered sections.	5	3	>1-1	>1-1
54.8	57.0	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermittent quartz clots and veinlets.	5	0	>1-1	>1-1
57.0	57.8	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Same as previous.	5	0	Tr	Tr
57.8	64.7	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz ckots, and veinlets.	10	0	>1	Tr
64.7	76.6	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Same as previous. Lower contact of unit is sericitically altered and brecciated.	5	1	>1-1	>1-1
76.6	92.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent sericite alteration sections.	5	0	>1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
92.4	156.7	Amphibolite	Grey and Green	Fine-medium grained	Well Foliated	Patchy garnet porphyroblasts. Quartz and carbonate spider veinlets with sericite alteration haloes. Patchy medium grained blebby pyrrhotite-pyrite some of which are associated with quartz clots and veins. 120.4-121.1m - Quartz vein.	5	5	1	1
156.7	183.6	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermittent cm-scale UMLAMP Dikes, quartz-carbonate veinlets. Broken blocky core sections.	5	0	Tr	>1
183.6	241.0	Ultramafic	Black and green	Fine Grained	Massive-weakly foliated	Unit is moderate magnetic due to magnetite crystals. Unit is comprised of coarse grained magnetite in a fine grained ultramafic groundmass. Unit is highly fractured, broken and blocky. Fracture planes have a fine grained black chlorite coating, and minor	2	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 340	Total Depth (m) 281	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 28/09/2011	Date Completed 01/10/2011	Date Logged Sept.29-Oct.1 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 328085 Northing 5306426 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.7	Casing								
3.7	16.1	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Intermittent potassic and sericite alteration sections and quartz spider veinlets with alteration. Patchy coarse grained garnet porphyroblasts.	10	1	>1	Tr
16.1	21.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy garnet porphyroblasts, intermixed quartz clots and quartz spider veinlets.	20	2	>1	Tr
21.5	23.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets. Medium grained quartz and feldspar in a fine grained felsic groundmass.	30	0	>1	Tr
23.0	27.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets and quartz clots with potassic alteration haloes.	20	0	>1	Tr
27.8	28.9	Diorite	Grey and white	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
28.9	31.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	15	0	>1	Tr
31.2	34.4	Amphibolite	Green	Fine Grained	Well Foliated	Fine quartz spider veinlets. Intermixed quartz veins with fine-medium grained blebby sulfides.	5	0	>1	Tr
34.4	53.5	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed spider veinlets with alteration haloes, quartz clots, and patchy medium grained garnet porphyroblasts.	20	3	>1	>1
53.5	55.4	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
55.4	61.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	20	2	>1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
61.8	65.1	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	Tr	>1
65.1	67.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	15	0	>1	Tr
67.5	83.7	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quartz-carbonate spider veinlets. 76.3-77.3- UMLAMP Dike.	3	0	>1	Tr
83.7	85.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Pervasive sericitic alteration at upper and lower contacts.	15	0	Tr	Tr
85.0	95.4	Amphibolite	Dark Green	Fine Grained	Well Foliated	Abundant quartz spider veinlets.	5	0	Tr	>1
95.4	98.5	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Pervasive potassic alteration, and abundant quartz spider veinlets.	5	0	Tr	Tr
98.5	102.5	Amphibolite	Dark Green	Fine Grained	Well Foliated	Quartz spider veinlets.	5	0	Tr	>1
102.5	107.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed spider veinlets.	20	0	>1	Tr
107.1	118.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy garnet porphyroblasts.	25	1-2	>1	Tr
118.8	125.7	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Intermixed spider veinlets, vugs, and epidote crystals.	5	0	>1	>1
125.7	143.7	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Pervasive potassic alteration, and patchy epidote. 141.8-142.7m - UMLAMP Dike.	20	0	>1-1	Tr
143.7	155.3	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Same as previous.	5	0	>1	Tr
155.3	157.1	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Same as previous.	15	0	>1	>1
157.1	165.0	Amphibolite				Same as previous.	2	0	>1	Tr
165.0	166.0	Diabase Dike	Black	Fine Grained	Massive					
166.0	167.5	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	>1	Tr
167.5	171.0	Diabase Dike	Black	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
171.0	173.6	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	>1	Tr
173.6	178.6	Amphibolite	Black	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	>1	Tr
178.6	180.5	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Same as previous.	10	0	>1	Tr
180.5	184.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
184.2	185.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Same as previous.	10	0	>1	Tr
185.0	187.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
187.0	190.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Same as previous.	10	0	>1	Tr
190.0	196.7	Altered Felsic Gneiss (S)				Pervasively sericitically altered, brecciated with quartz veinlets, with potassic alteration at their margins.	5	0	Tr	Tr
196.7	218.3	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Sections of pervasive potassic alteration, and patchy fine grained disseminated pyrite.	10	0	>1	Tr
218.3	233.5	Diabase Dike	Black and white	Fine Grained	Massive					
233.5	239.8	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	233.5-237.5m - Vuggy, chlorite and potassically altered section. 237.5m and on less altered original rock. Patchy pyrite and kocalized quartz spider veinlets.	15	0	>1	Tr
239.8	241.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Disseminated and schlieren pyrite.	5	0	1	Tr
241.7	245.8	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
245.8	250.3	Amphibolite		Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	>1-1	Tr
250.3	252.6	Felsic Gneiss (S)	Grey	Coarse Grained	Moderately Well Foliated	Localized quartz spider veinlets.	Tr	0	1	Tr
252.6	281.0	Amphibolite	Dark green, black and	Fine-medium	Well Foliated	Intermixed quartz veins and spider veinlets. Patchy chlorite alteration. 281m is EOH.	5	5	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 447	Bearing of Hole from true North 340	Total Depth (m) 281	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 01/10/2011	Date Completed 05/10/2011	Date Logged Oct.2-Oct.5 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 328085
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5306426
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.2	Casing								
4.2	13.8	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Intermixed quartz spider veinlets with potassic and sericitic alteration haloes.	10	0	Tr	Tr
13.8	17.0	Felsic Gneiss (S)	Grey and white	Medium-coarse	Moderately Well Foliated	Medium-coarse grained quartz crystals in a fine grained biotite-felsic groundmass. Intermixed quartz spider veinlets with sericitic and potassic alteration.	10	0	>1	Tr
17.0	34.6	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Patchy coarse grained garnet porphyroblasts, and potassic altered sections.	15	2	>1	Tr
34.6	36.9	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Medium grained plagioclase and quartz in a fine grained biotite and felsic groundmass.	30	0	Tr	Tr
36.9	43.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	15	0	1	Tr
43.1	46.8	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	5	0	Tr	>1
46.8	68.2	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Patchy sections of coarse grained garnet porphyroblasts associated with bands of biotite and biotite rich section. Intermixed quartz spider veinlets.	20	5	1	1
68.2	70.2	Diorite	Pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
70.2	72.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veinlets.	15	0	>1	Tr
72.4	85.7	Amphibolite	Green	Fine Grained	Well Foliated	Localized sections of 1% pyrrhotite.	5	0	Tr	>1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
85.7	87.3	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Pervasive sericite alteration.	5	0	>1	Tr
87.3	97.2	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed sections of felsic gneiss (s).	5	0	Tr	>1
97.2	98.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
98.6	121.3	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Intermixed quartz-carbonate veins and vrinlets.	5	0	Tr	>1
121.3	132.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed sections (>1m) of amphibolite. Abundant potassic alteration.	10	0	>1	Tr
132.5	138.4	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Quartz spider veinlets.	5	0	Tr	>1
138.4	143.3	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Intermixed quartz spider veinlets with potassic alteration and quartz clots.	15	0	>1	Tr
143.3	149.2	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Intermixed spider veinlets.	10	0	1	Tr
149.2	150.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
150.4	245.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium grained	Well Foliated	Abundant potassic alteration, vugs, quartz veinlets, and epidote crystals on fracture planes and in the vugs. Localized sections of pervasive sericite alteration. Localized sections of 1-2% pyrite after 233m, including coarse grained blebs associated with	10	0	1	Tr
245.0	246.0	UMLAMP Dike	Black and white	Fine Grained	Massive					
246.0	267.8	Altered Felsic Gneiss (S)	Grey and Green	Fine-medium	Well Foliated	Pervasive sericitic alteration, with intermixed quartz-carbonate spider veinlets.	5	0	1	Tr
267.8	275.1	Amphibolite	Dark Green	Coarse Grained	Well Foliated	Coarse grained crystals of amphibole. Intermixed quartz-carbonate spider veinlets.	2	0	Tr	Tr
275.1	281.0	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Patchy sericite and potassic alteration. 281m is the end of hole.	10	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 360	Total Depth (m) 215	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 05/10/2011	Date Completed 08/10/2011	Date Logged Oct.6-Oct.8 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327877 Northing 5306403 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.5	Casing								
4.5	7.6	Altered Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Well Foliated	Intermixed amphibolite layers. Abundant potassic alteration.	5	0	>1	Tr
7.6	12.6	Amphibolite	Green	Fine Grained	Well Foliated	Inrermixed quartz-carbonate veins.	5	0	>1-1	Tr
12.6	16.8	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed spider veinlets with potassic and sericitic alteration.	30	0	Tr	Tr
16.8	18.9	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz-carbonate veins.	5	0	>1	Tr
18.9	21.8	Felsic Gneiss (S)	Grey and white	Medium Grained	Well Foliated	Intermixd quartz veins and veinlets. Patchy pyrite on margins of veins.	15	0	>1	Tr
21.8	25.5	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized patches of chlorite alteration. Intermixed quartz-carbonate veinlets.	5	0	>1	Tr
25.5	30.6	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed amphibolite selvages.	30	0	Tr	Tr
30.6	59.4	Altered Felsic Gneiss (S)	Variable Grey	Fine Grained	Well Foliated	Intermixed amphibolite sections. 43.3-45m- Pervasive sericite-and potassic alteration	10	0	>1	Tr
59.4	62.3	Amphibolite	Green	Fine Grained	Well Foliated	Patchy garnet porphyroblasts, and quartz-carbonate veins\veinlets.	5	1	Tr	>1
62.3	64.2	UMLAMP Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
64.2	67.6	Amphibolite	Green	Fine Grained	Well Foliated	Patchy garnet porphyroblasts, and quartz-carbonate veins\veinlets.	5	1	Tr	>1
67.6	69.5	Amphibolite	Dark\Light green and	Coarse Grained	Weakly Foliated	Coarse grained garnet porphyroblasts.	5	10	Tr	>1
69.5	74.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz clots, veins and spider veinlets. Localized sericitic and potassic alteration.	15	0	>1-1	Tr
74.2	78.1	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Pervasive quartz spider veinlets with potassic alteration haloes.	30	0	Tr	Tr
78.1	95.8	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Pervasive sericite and potassic alteration, quartz spider veinlets. Cm-scale intermixed amphibolite and diorite sections.	20	0	1	Tr
95.8	128.7	Amphibolite	Dark Green	Fine Grained	Well Foliated	Cm-scal intermixed felsic gneiss and diorite sections. Localized quartz veins and spider veinlets with potassic alteration haloes.	5-10	0	1	Tr
128.7	132.7	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly		30	0	1	Tr
132.7	133.5	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	Tr	Tr
133.5	134.8	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Localized potassic alteration.	15	0	>1	Tr
134.8	136.7	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	Tr	Tr
136.7	146.8	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Pervasive potassic alteration.	25	0	1	Tr
146.8	164.9	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Intermixed quartz veins, spider veinlets, and potassic alteration.	25	0	1	Tr
164.9	169.9	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Intermixed quartz-carbonate veins.	30	0	>1	Tr
169.9	172.6	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Moderately Well Foliated	Sections of 1-2% pyrite. Patchy spider veinlets.	10	0	1	Tr
172.6	177.6	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Intermixed quartz spider veinlets.	30	0	>1	Tr
177.6	181.5	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Intermixed quartz spider veinlets.	10	0	>1	Tr
181.5	204.5	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Intermixed quartz clots.	5	7	Tr	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
204.5	209.7	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Patchy pyrite associated with biotite.	5	0	>1	Tr
209.7	215.0	Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed spider veinlets.	5	0	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 445	Bearing of Hole from true North 360	Total Depth (m) 269	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 08/10/2011	Date Completed 11/10/2011	Date Logged Oct.8-Oct.11 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327877 Northing 5306403 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.6	Casing								
3.6	6.6	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz veins and veinlets.	5	0	>1	Tr
6.6	9.8	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed spider veinlets with with potassic alteration.	10	0	>1	Tr
9.8	13.8	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	>1	Tr
13.8	14.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
14.6	19.2	Amphibolite	Dark Green	Fine Grained	Well Foliated	Medium grained pyrite blebs and clots.	5	0	1	Tr
19.2	24.6	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed selvages of amphibolite. Abundant potassic alteration.	20	0	Tr	Tr
24.6	27.6	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz spider veins and veinlets with potassic and sericitic alteration haloes.	5	0	>1	Tr
27.6	32.8	Diorite	Grey, white, and pink	Medium Grained	Weakly-moderately	Pervasive potassic and sericitic alteration.	15	0	Tr->1	Tr
32.8	51.4	Altered Felsic Gneiss (S)	Variable Grey	Fine Grained	Well Foliated	Abundant quartz spider veinlets with pervasive potassic and sericitic alteration.	5	0	1	Tr
51.4	61.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent quartz spider veinlets with potassic alteration haloes.	20	0	>1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
61.8	64.8	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Well Foliated	Localized vugs with epidote crystals growing in them and quartz-carbonate veinlets with potassic alteration.	15	0	>1	Tr
64.8	80.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermittent quartz veins and veinlets with well developed potassic alteration haloes.	20	0	>1	Tr
80.8	82.5	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz and veins veinlets. Patchy chlorite alteration.	5	0	Tr	>1
82.5	85.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed amphibolit layers and quartz spider veinlets.	10	0	>1	Tr
85.2	89.0	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed felsic gneiss (s) layers and garnet rich amphibolite layers. Patchy sulfides.	5	5	>1	Tr
89.0	94.0	Amphibolite	Dark\Light green and	Coarse Grained	Porphyroblastic	Coarse grained garnet porphyroblasts in a fine grained amphibole, biotite, and chlorite matrix.	2	50	>1	Tr
94.0	105.7	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Intermixed potassic alteration zones, cm-scale sections of UMLAMP Dike.	15	0	>1	Tr
105.7	107.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
107.3	130.8	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Pervasive potassic alteration, and intermixed quartz spider veinlets.	10	0	>1	Tr
130.8	140.2	Amphibolite	Dark Green	Fine Grained	Well Foliated	Patchy blebby pyrite.	5	0	>1	Tr
140.2	157.3	Felsic Gneiss (S)	Variable Grey	Fine Grained	Well Foliated	Intermixed potassic and sericitic alteration haloes around quartz spider veinlets. Sections of 1-2% pyrite associated with brecciated sericitic alteration zones.	15	0	1-2	Tr
157.3	180.3	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz clots and veinlets. Increased sulfides (1% medium grained schlieren) near lower contact.	5	0	>1	Tr
180.3	185.1	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Blebby and disseminated pyrite is associated with bands of biotite and quartz clots. Intermixed quartz spider veinlets with sericite and potassic alteration haloes.	25	0	1	Tr
185.1	191.0	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	1% overall with (sections approaching 1-2%)fine grained schlieren and disseminated pyrite-pyrrhotite.	20	0	>1-1	>1-1
191.0	194.3	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Medium-coarse grained porphyroblasts of amphibole in a medium grained biotite felsic matrix. Intermixed quartz spider veinlets.	10	0	>1	Tr
194.3	199.3	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Intermixed quartz veinlets and veins with potassic alteration haloes. Pyrite is associated with bands of biotite.	15	0	1	Tr
199.3	203.3	Amphibolite	Dark Green	Fine Grained	Well Foliated	Patchy sections of 1-2% pyrite with 1% overall. Sulfides associated with quartz clots and veinlets.	5	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
203.3	209.8	Felsic Gneiss (S)	Grey and white	Fine-medium	Well Foliated	Intermixed quartz veins and clots.	25	0	1	Tr
209.8	216.0	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	212.7m - Quartz vein with coarse 1 cm x 10 cm vein of pyrite. Intermittent bands of amphibole , and localized chlorite alteration.	25	0	2	>1
216.0	220.2	Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Intermixed quartz and carbonate veins.	15	0	1	>1
220.2	222.7	Felsic Gneiss (S)	Grey and white	Fine-medium	Well Foliated	Intermixed quartz veinlets.	15	0	>1	Tr
222.7	223.9	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed potassic and chlorite alteration.	5	0	>1	Tr
223.9	230.2	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Pyrite is associated with amphibolite interlayers, and quartz veins.	10	0	1	Tr
230.2	234.4	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Sulfides are associated with quartz veins.	30	0	1	1
234.4	239.1	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Well Foliated	Intermixed quartz spider veinlets with potassic alteration haloes.	15	0	1	Tr
239.1	269.0	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly		30	0	1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 360	Total Depth (m) 206	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 11/10/2011	Date Completed 14/10/2011	Date Logged Oct.12-Oct.14 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327684 Northing 5306374 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	13.4	Casing								
13.4	27.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Upper portion of unit is potassically and sericitically altered. Casing went to 18m but boxed boulders from 13.4m down. Patchy pyrite and intermixed quartz spider veinlets.	20	0	>1	Tr
27.2	35.7	Amphibolite	Dark Green	Fine Grained	Well Foliated	Patchy pyrite, and quartz-carbonate veins.	5	5	>1	Tr
35.7	69.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed sections of amphibolite, potassic alteration and quartz-carbonate spider veinlets.	15	0	>1	Tr
69.6	73.2	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized bands of epidote.	5	0	>1	Tr
73.2	76.2	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Intermixed potassic alteration zones.	30	0	Tr->1	Tr
76.2	87.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Well Foliated	Intermittent sections of fine grained well foliated amphibolite.	10-15	0	1	Tr
87.2	125.8	Amphibolite	Dark Green	Fine Grained	Well Foliated	Patchy medium-coarse grained blebby pyrite-pyrrhotite. Intermixed quartz-carbonate veins and veinlets. Patchy chloritic, sericitic, and potassic alteration. 119-119.4m- 2% fine-medium grained blebby pyrrhotite.	5	0	1	1
125.8	129.0	Diorite	Grey and white	Medium Grained	Moderately Well Foliated	Quartz spider veinlets with extensive potassic alteration haloes.	30	0	>1	Tr
129.0	132.0	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Porphyroblast ic	Porphyroblastic amphibole and biotite in a felsic groundmass.	15	0	>1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
132.0	145.6	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Localized cm-scale pyrite veins. 136.2-136.8m - UMLAMP Dike. 138.3-138.7m- Quartz vein. Intermixed quartz carbonate veins with	15	0	1	Tr
145.6	149.7	Amphibolite	Dark Green	Fine Grained	Well Foliated	Patchy thin bands and schlieren of pyrrhotite, including sulfides at the margins of a quartz vein.	5	0	>1	>1-1
149.7	160.3	Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Well Foliated	Intermixed quartz veins, and localized potassic alteration.	10	0	>1	Tr
160.3	161.6	Biotite Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Medium grained biotite and amphibole in a felsic groundmass.	35	0	>1	Tr
161.6	177.7	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Well Foliated	Patchy chlorite and potassic alteration.	10	0	>1	Tr
177.7	206.0	Amphibolite	Dark Green	Fine-medium	Well Foliated	Intermixed quartz veins, siliceous sections.	5	5	Tr	>1-1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 449	Bearing of Hole from true North 360	Total Depth (m) 290	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 14/10/2011	Date Completed 17/10/2011	Date Logged Oct.14-17 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327684
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306374
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	10.5	Casing								
10.5	14.0	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Patchy garnet porphyroblasts.	5	5	Tr->1	Tr
14.0	18.8	Felsic Gneiss (S)	Light Grey	Coarse Grained	Well Foliated	Patchy pyrite is associated with biotite rich sections.	5	0	1	Tr
18.8	35.0	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Patchy fine grained schlieren, and disseminated pyrite. Intermixed spider veinlets with potassic alteration.	15-20	0	>1-1	Tr
35.0	48.8	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Localized blebby pyrite associated with quartz clots.	5	5	>1	>1
48.8	71.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed spider veinlets with potassic alteration.	15-20	0	>1	Tr
71.1	72.8	Amphibolite	Green	Fine Grained	Well Foliated	Localized quartz vein with sulfides at the margin.	5	0	>1	Tr
72.8	74.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized chloritic, sericitic and potassic alteration.	5	0	Tr	Tr
74.5	78.1	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed spider quartz spider veinlets.	5	0	>1-1	Tr
78.1	85.6	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Well Foliated	Intermittent potassic alteration and broken\blocky core sections.	5	0	>1	Tr
85.6	89.0	Altered Biotite Felsic Gneiss	Black and green	Fine Grained	Well Foliated	Sulfides consist of patchy fine-medium grained blebby pyrite at the margins of a quartz vein, and fine grained disseminated pyrite.	35	0	>1-1	

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
89.0	91.8	Biotite Felsic Gneiss	Black and grey	Fine-medium	Well Foliated	Localuzed sections containing mm-scale vugs.	40	0	Tr	Tr
91.8	95.2	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized chlorite alteration. Patchy disseminated pyrite is associated with quartz spider veinlets.	10	0	>1	Tr
95.2	98.4	Biotite Felsic Gneiss	Black and white	Medium-coarse	Moderately Well Foliated	Blebby pyrite is associated with a quartz clot. Intermixed spider veinlets.	60	0	>1	Tr
98.4	101.6	Amphibolite	Dark Green	Fine Grained	Well Foliated	Sections of 1-2% schlieren and blebby pyrite. Sections potassic, serictic, and chloritic alteration.	5-10	0	1	Tr
101.6	104.3	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Intermixed 30 cm quartz vein. Abundant potassic alteration.	5	0	>1	Tr
104.3	117.8	Amphibolite	Dark Grey	Fine Grained	Moderately Well Foliated	Thin bands and streaks, and fine disseminated of pyrite. Locally sections of 1-2% pyrite. Cm-scale interlayers of felsic gneiss (s).	5	0	1-2	Tr
117.8	119.0	Felsic Gneiss (S)	Light Grey	Medium Grained	Moderately Well Foliated	Interlayer of barren felsic gneiss (s) between amphibolites.	15	0	Tr	Tr
119.0	121.2	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quartz veins, patchy vugs and chlorite alteration.	5	0	>1	Tr
121.2	124.5	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Moderately Well Foliated	Intermixed quartz veins, chloritic and potassic alteration.	10	0	Tr	Tr
124.5	127.8	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Pervasive potassic and serictic alteration.	15	0	1	Tr
127.8	138.8	Amphibolite	Green	Fine-medium	Moderately Well Foliated	Localized sections of 2-3% fine-medium schlieren, blebby, and streaky pyrite.	10	0	1-2	Tr
138.8	148.9	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Sections of 2-3% fine-medium grained blebby and fine grained veinlets, and schlieren pyrrhotite-pyrite.	20	0	1	1
148.9	150.4	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	>1	Tr
150.4	151.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veins and veinlets.	10	0	>1	>1
151.9	160.5	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz veinlets.	5	0	>1-1	Tr
160.5	165.5	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized medium-coarse blebs of pyrite-pyrrhotite and margins of cm-scale clots of granitic pegmatite. Sulfides also occur as fine grained crystals disseminated throughout the unit, often associated with bands of biotite.	20	0	1	1
165.5	168.6	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Intermixed quartz spider veinlets. Pyrite is associated with crystals and thin bands of biotite.	5	0	>1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
168.6	177.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy coarse blebs of pyrrhotite-pyrite within quartz veins. Intermixed amphibolite layers.	15	0	1	>1
177.8	192.2	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Porphyroblastic amphibole and biotite in a fine grained felsic groundmass.		0	>1	Tr
192.2	194.1	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Quartz spider veinlets, with potassic alteration haloes.	5	0	>1	Tr
194.1	195.5	Amphibolite	Green	Medium Grained	Moderately Well Foliated	Some pyrite crystals are found at the margin of epidote crystals.	5	0	>1	Tr
195.5	206.6	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed cm-scale biotite and epidote rich sections. Localized .5 cm wide pyrite vein and coarse blebs at the margin of a quartz vein.	15	0	1	Tr
206.6	209.6	Altered Biotite Felsic Gneiss	Black and green	Medium Grained	Well Foliated	Intermittent epidote crystals, and quartz spider veinlets.	30	0	Tr->1	Tr
209.6	215.3	Felsic Gneiss (S)	Light Grey	Medium-coarse	Well Foliated	Sulfides are associated thin bands of biotite, finer grained, and consistent throughout unit.	2	0	1	Tr
215.3	217.5	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-medium grained blebby pyrite is at margins of 20 cm quartz vein.	5	0	>1-1	Tr
217.5	230.1	Felsic Gneiss (S)	Grey, white, and pink	Medium-coarse	Well Foliated	Blebby pyrite is found within a 30 cm quartz vein. Rest of the unit has fine grained disseminated pyrite.	15	0	1	Tr
230.1	234.7	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	>1	Tr
234.7	246.3	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz spider veinlets with potassic alteration haloes. Intermixed quartz clots. Localized coarse grained blebs of pyrite.	25	0	1	Tr
246.3	266.6	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets with potassic alteration haloes. Localized cm-scale intervals of granitic pegmatite.	30	0	Tr->1	Tr
266.6	269.1	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Blebby sulfides are associated with and at the margins of quartz veins and clots.	5-10	0	>1-1	>1
269.1	282.5	Amphibolite	Dark\Light green and	Fine-medium	Moderately Well Foliated	Patchy fine grained net-textured pyrrhotite. Intermittent cm-scale quartz veins. Unit does not have the classic "mottled" patchy footwall amphibolite.	5	15	Tr	>1
282.5	285.1	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Pervasive spider veinlets with intense sericitic alteration haloes.	5	0	Tr	Tr
285.1	290.0	Amphibolite	Dark\Light green and	Fine Grained	Well Foliated	Intermixed quartz-carbonate veins.	5	10	Tr	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 460	Bearing of Hole from true North 315	Total Depth (m) 332	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 17/10/2011	Date Completed 06/11/2011	Date Logged Oct.17-Nov.7 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327479
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306241
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.9	Casing								
3.9	7.3	Amphibolite		Fine Grained		Intermixed quartz veinlets with alteration.	5	0	1	Tr
7.3	9.8	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veins.	10	0	>1	Tr
9.8	11.3	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz veins.	5	0	>1	Tr
11.3	17.0	Felsic Gneiss (S)	Light Grey	Coarse Grained	Moderately Well Foliated	Quartz spider veinlets.	5	0	>1	Tr
17.0	52.0	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz veins with some sulfides at their margins.	5	5	>1	Tr
52.0	55.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed spider veinlets, with potassic and sericitic alteration haloes.	10	0	1	Tr
55.0	65.5	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	1	Tr
65.5	67.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Pervasive quartz veinlets with potassic and sericitic alteration haloes.	10	0	>1-1	Tr
67.0	70.3	Amphibolite	Green	Medium Grained	Moderately Well Foliated	Patchy veins of muscovite. Intermixed spider veinlets.	5	0	>1	Tr
70.3	72.9	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized quartz blebs with medium-coarse grained blebs of pyrite.	10	0	>1-1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
72.9	77.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz spider veinlets with potassic and sericitic alteration haloes. Intermixed cm-scale fine grained amphibolite sections.	15	>1	>1-1	Tr
77.4	80.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Pervasive quartz spider veinlets with potassic and sericite alteration haloes.	10	0	>1-1	Tr
80.1	87.5	Amphibolite	Black and green	Fine Grained	Well Foliated	Localized medium-coarse grained disseminated and blebby pyrite-pyrrhotite. Localized quartz blebs and veins.	5	0	1	>1-1
87.5	95.2	Diabase Dike	Black and white	Fine Grained	Massive					
95.2	99.1	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Localized vuggy sections, and spider veinlets with potassic alteration haloes.	10	0	>1	Tr
99.1	109.3	Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Localized sections of 1% fine grained disseminated pyrite, and quartz spider veinlets with potassic and sericitic alteration haloes. Intermixed sections of amphibolite.	10	0	>1-1	Tr
109.3	122.9	Amphibolite	Grey and Green	Medium Grained	Well Foliated	Medium grained quartz-plagioclase grains, and intermixed spider veinlets and quartz veins. 119.5m - Coarse grained blebby pyrrhotite-pyrite at the margin of a quartz vein. Coarse grained blebby pyrite locally throughout the unit.	5	0	1	>1
122.9	124.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
124.2	149.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Disseminated and locally schlieren pyrite-pyrrhotite. Sulfides are consistent. Unit resembles the mineralized hanging wall amphibolites at Borden Lake.	5	0	1	1
149.7	163.7	Felsic Gneiss (S)	Black and grey	Fine-medium grained	Well Foliated	Unit is comprised of intermittent felsic and amphibole rich sections. Localized blocky-broken sections of core, vugs, and medium grained epidote. Pyrite is finer grained but consistent throughout unit. Localized quartz spider veinlets.	10		1	Tr
163.7	175.9	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Well Foliated	Intermixed quartz veins, and quartz spider veinlets, with potassic alteration, epidote and vugs . Intermixed cm-scale sections of amphibolite and quartz-feldspar porphyry.	15	0	1	Tr
175.9	185.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Felsic gneiss with strong resemblance to similar units at Borden Lake. Intermixed quartz veins with coarse blebs of coexisting pyrite-pyrrhotite at 177.2, and 182, 185m. 1-2% overall sulfides with localized sections of 2-3% fine grained schlieren, blebby,	15	0	1-2	1-2
185.2	186.6	Felsic Gneiss (S)	Black and white	Coarse Grained	Well Foliated	Coarse grained felsic gneiss resembles similar units at Borden Lake. Sulfides are associated with biotite, and quartz clots.	25	0	>1-1	>1-1
186.6	189.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Felsic gneiss resembles similar units at Borden Lake. Intermixed quartz clots and veins. Quartz vein with coarse grained sulfides at its margin.	15	0	1	>1
189.3	191.9	Felsic Gneiss (S)	Green	Fine Grained	Well Foliated	Matrix of unit is comprised fine grained amphibole, felsic and chlorite. Localized quartz spider veinlets.	25	0	1	Tr
191.9	193.6	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Intermixed quartz clots, and veins with potassic and sericitic alteration haloes. Intermittent cm-scale sections of diorite.	15	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
193.6	195.9	Diorite	Grey and white	Medium Grained	Weakly Foliated	Medium grained plagioclase and biotite in a felsic groundmass. Pyrite is associated with biotite.	30	0	1	Tr
195.9	200.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Unit has intermittent sections of mineralized fine grained amphibolite. Unit contains 10% thick silicified bands, very similar to the distinct unit seen at Borden Lake. Sections of 2-3% pyrite, associated with sections of chlorite alteration, and the silic	15-20	0	1-2	Tr
200.6	201.5	Diorite	Grey and white	Medium Grained	Weakly Foliated	Pyrite is associated with biotite.	30	0	>1	Tr
201.5	217.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Unit has intermittent sections of pink silicified bands, and silicified sections. Intermittent sections of sericitic alteration. Localized coarse grained blebs of pyrrhotite. 201.6m- Fine grained chalcopyrite within veinlet of pyrite. Unit closely resembles	15	2	1	1-2
217.2	221.7	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed sericitic alteration patches, and quartz veins.	15	1	1	Tr
221.7	227.2	Amphibole Felsic Gneiss	Green	Medium Grained	Porphyroblastic	Porphyroblastic medium-coarse grained amphibole in a fine grained biotite, amphibole, and felsic groundmass.	15	0	1	Tr
227.2	241.5	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermittent quartz veins and veinlets and localized chloritically altered sections.	10	0	>1-1	Tr
241.5	244.5	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Moderately Well Foliated	Potassically and sericitically altered felsic gneiss with fine grained pyrite throughout and 3x3 cm bleb of pyrite in a quartz vein at 242.8m.	5	0	1	Tr
244.5	250.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Same as previous.	10	0	>1	Tr
250.7	251.8	Diorite	Grey, white, and pink	Coarse Grained	Massive-weakly	Intermittent veins and veinlets with intense sericitic and potassic alteration.	30	0	>1	Tr
251.8	252.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
252.8	255.4	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Same as previous.	30	0	>1	Tr
255.4	270.9	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Localized sections of 2-3% pyrrhotite-pyrite. Sulfides locally occur as schlieren, veinlets and disseminated crystals.	15	1	1	1
270.9	289.6	Diorite		Medium Grained		20% Intermittent 10's of cm-scale selvages of felsic gneiss. Sulfides are present within the felsic gneiss selvages, and can be up to 2%. Abundant potassic alteration.	25	0	1	Tr
289.6	295.1	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	>1-1	Tr
295.1	298.5	Felsic Gneiss (S)	Grey and white	Fine Grained	Well Foliated	30 cm - Section of UMLAMP Dike.	10	1	1	1
298.5	331.5	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Patchy garnet. Pervasive potassic alteration.	5	1	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 460	Bearing of Hole from true North 315	Total Depth (m) 398	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 06/11/2011	Date Completed 11/11/2011	Date Logged Nov.7-12 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 327479
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5306241
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.0	Casing								
3.0	10.2	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quart spider veinlets with potassic alteration haloes.	5	0	1	Tr
10.2	19.8	Felsic Gneiss (S)	Grey and white	Coarse Grained	Moderately Well Foliated	Intermixed quartz spider veinlets, and sections of pervasive potassic alteration.	5	0	>1-1	Tr
19.8	68.1	Amphibolite	Black and green	Fine Grained	Well Foliated	Localized quartz-carbonate veins, blocky-broken sections of core. Patchy coarse grained porphyroblasts of garnet.	5-10	1	>1	Tr
68.1	73.1	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed quartz spider veinlets with sericite alteration haloes.	10	0	1	Tr
73.1	79.0	Amphibolite	Green	Fine Grained	Well Foliated	75.5m- 1m section of brecciated section with an intruding UMLAMP Dike with sericite alteration haloes.	5	0	>1	Tr
79.0	80.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets with potassic alteration haloes.	5	0	>1	Tr
80.0	90.2	Amphibolite	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets with potassic alteration.	5	0	>1	Tr
90.2	104.7	UMLAMP Dike	Black and white	Fine Grained	Massive					
104.7	109.7	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	1	Tr
109.7	114.5	Diabase Dike	Black and white	Fine Grained	Massive					

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
114.5	123.2	Amphibolite	Green	Fine Grained	Well Foliated	122.9m- 30 cm section of 1-2% pyrite in bands of blebby crystals. Intermixed quartz spider veinlets.	5	0	1	Tr
123.2	124.4	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Pervasive potassic alteration.	2	0	>1	Tr
124.4	126.0	Amphibolite	Black and green	Fine Grained	Well Foliated	Pervasive quartz-carbonate veins and veinlets with potassic alteration haloes.	5	0	>1	Tr
126.0	131.5	Altered Felsic Gneiss (S)	Grey	Fine-medium	Brecciated	Pervasive altered and brecciated unit. Unit is brecciated by intruding UMLAMP Dike.	1	0	Tr	Tr
131.5	138.3	Altered Felsic Gneiss (S)	Grey, white, and pink	Fine-medium	Moderately Well Foliated	Pervasive potassic alteration, and quartz spider veinlets and veins.	10	0	>1	Tr
138.3	156.0	Amphibolite	Black and green	Fine-medium	Well Foliated	Intermixed quartz veins and clots. Patchy fine-medium grained pyrite.	5	0	>1	Tr
156.0	159.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
159.8	171.4	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed spider veinlets, and cm-scale sections UMLAMP Dike.	5	0	1	Tr
171.4	173.9	Felsic Gneiss (S)	Grey and white	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets, and veins.	15	0	>1	Tr
173.9	187.0	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed quartz-carbonate veins and veinlets, and localized chlorite alteration section.	5	0	>1	Tr
187.0	219.5	Felsic Gneiss (S)	Grey, white, and pink	Medium Grained	Well Foliated	Patchy pyrite is associated with coarse grained crystals of biotite. Intermixed sections of amphibolite and quartz spider veinlets and veins. Abundant potassic alteration.	10-15	0	1	Tr
219.5	273.1	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets, and felsic gneiss (s) sections (>1m).	5	0	>1	Tr
273.1	274.1	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Moderately Well Foliated	Pervasive sericite alteration haloes around spider veinlets.	10	0	>1	Tr
274.1	276.7	Amphibolite	Dark Green	Fine Grained	Well Foliated	Patcgy	5	0	>1	Tr
276.7	280.4	Felsic Gneiss (S)		Fine Grained	Well Foliated	Unit resembles similar felsic gneisses seen at Borden Lake. Patchy chlorite alteration and garnet porphyroblasts. Intermixed quartz spider veinlets.	15-20	1	1	Tr
280.4	283.8	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed spider veinlets. Sulfides associated with biotite.	10	0	1-2	Tr
283.8	296.6	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Fine grained schlieren and medium grained blebby pyrite. Unit resembles similar felsic gneisses from Borden Lake. Intermixed quartz veins.	20	0	2	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
296.6	302.9	Felsic Gneiss (S)	Grey, white, and pink	Coarse Grained	Well Foliated	Localized potassic alteration.	15	0	1	Tr
302.9	306.1	Felsic Gneiss (S)		Fine Grained	Well Foliated	Intermixed quartz veins and veinlets. Unit resembles similar felsic gneisses from Borden Lake.	25	0	1	Tr
306.1	310.1	Amphibolite	Green	Fine-medium	Well Foliated	Intermixed quartz-carbonate veinlets, patchy medium grained porphyroblasts of amphibole.	5	0	>1	Tr
310.1	320.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz clots with medium grained blebs of pyrite-pyrrhotite at their margins. Unit resembles similar felsic gneisses from Borden Lake.	20	Tr-1	1	>1-1
320.3	323.4	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets. Intermixed sections of >60 cm garnet biotite felsic gneiss with 1% blebby pyrite-pyrrhotite.	5	0	>1	Tr
323.4	325.1	Felsic Gneiss (S)	Grey and white	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets. Pyrite is associated with crystals of biotite.	15	0	>1-1	Tr
325.1	339.4	Amphibolite	Black and green	Fine Grained	Well Foliated	Patchy fine-medium grained blebby pyrite. Intermixed quartz-carbonate spider veinlets.	5	0	>1	Tr
339.4	340.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	5	0	>1	Tr
340.6	341.7	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	>1	Tr
341.7	343.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
343.2	356.6	Amphibolite	Black and green	Fine Grained	Well Foliated	Abundant quartz-carbonate spider veinlets.	5	0	>1	Tr
356.6	358.0	Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Intermixed quartz-spider veinlets.	5	0	>1	Tr
358.0	359.8	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed 15 cm section of UMLAMP Dike.	5	0	>1	Tr
359.8	362.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	5	0	>1	Tr
362.1	379.4	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed quartz-carbonate spider veinlets, diorite sections.	5	0	>1	Tr
379.4	394.4	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Well Foliated	Pervasive potassic alteration. Intermixed quartz clots.	2	0	Tr	Tr
394.4	398.4	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermixed spider veinlets.	5	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 461	Bearing of Hole from true North 360	Total Depth (m) 392	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 11/11/2011	Date Completed 16/11/2011	Date Logged Nov.12-17 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 326782 Northing 5306236 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	4.6	Casing								
4.6	71.3	Amphibolite	Black and green	Fine Grained	Well Foliated	Intermittent quartz veins and veinlets with some associated with pyrite-pyrrhotite. 5m - Silicified zone with coarse blebs of pyrrhotite. 16m - Brecciated zone with host rock gouge and spider veinlets of pyrrhotite-pyrite.	5	0	>1-1	>1-1
71.3	92.7	Felsic Gneiss (S)	Light Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets. Localized sections of (10-15 cm) with 1-2% pyrite-pyrrhotite. Unit is similar to units seen at Borden Lake.	5	0	1	1
92.7	148.4	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Intermixed quartz spider veinlets, UMLAMP Dikes, silicified sections. Patchy sulfides. Abundant potassic alteration.	5	3	>1	>1
148.4	251.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed amphibolite sections, potassic alteration, and quartz spider veinlets. Increased sulfides at 174, 199, 201.5, and 202.5m. 174 and 199m - 1-2% coarse grained net-textured pyrrhotite and fine grained veinlets of pyrite. 201.5-202.5m - 1-2% net te	10	0	1	1
251.8	268.6	Amphibolite	Green	Fine Grained	Well Foliated	Intetmixed sections of felsic gneiss (s). Patchy sulfides,	5	0	>1	>1
268.6	278.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	268.6-269.2m - 3-5% Medium-coarse grained net-textured pyrrhotite.	10	0	>1	1-2
278.9	280.3	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	30	0	>1	Tr
280.3	286.5	Altered Garnet Biotite Felsic Gneiss	Dark green, black and	Fine Grained	Well Foliated	Chlorite altered garnet biotite felsic gneiss, with minor patchy pyrrhotite. Intermixed quartz spider veinlets.	45	5	Tr->1	>1-1
286.5	291.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	290.3-291.3m- 1% fine grained disseminated and schlieren pyrrhotite. Intermixed quartz clots, and veins some with sericitic alteration.	15	0	>1-1	>1-1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
291.3	319.0	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine grained amphibolite with intermittent sections of intermixed felsic gneiss (s), sericite alteration zones and quartz veins. Sulfides are very-fine to fine but consistent.	5-10	1	>1-1	>1-1
319.0	320.5	UMLAMP Dike	Black and white	Fine Grained	Massive					
320.5	332.4	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed potassic alteration haloes around quartz spider veinlets, and quartz veins.	10	0	>1-1	Tr
332.4	338.9	Amphibolite	Dark Green	Fine Grained	Well Foliated	Same as previous.	5-10	1	>1-1	>1-1
338.9	346.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz veins.	20	0	>1	>1
346.9	366.4	Amphibole Felsic Gneiss	Dark Green	Medium Grained	Porphyroblastic	Medium grained porphyroblastic amphibole in a fine grained felsic groundmass.	5	0	>1	Tr
366.4	381.6	Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Intermixed bands of amphibole in a felsic gneiss (s) with moderate amounts of biotite. Patchy sections of 1-2% fine grained disseminated pyrite.	20	0	1	Tr
381.6	392.0	Amphibolite	Dark Green	Fine-medium	Well Foliated		5	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 455	Bearing of Hole from true North 360	Total Depth (m) 395	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 16/11/2011	Date Completed 22/11/2011	Date Logged Nov.17-23 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 326675
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306120
							Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.2	Casing								
2.2	3.3	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Abundant spider veinlets with potassic and sericitic alteration haloes.	2	0	>1	>1
3.3	8.6	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz veins. Minor pyrite associated with garnet porphyroblasts.	5	5	1	Tr
8.6	10.0	Felsic Gneiss (S)	Grey	Medium Grained	Well Foliated	Pyrite associated with crystals of biotite.	15	0	>1-1	Tr
10.0	15.7	Amphibolite	Dark green, black and	Fine Grained	Well Foliated	Pyrite is associated with porphyroblasts of garnet, and crystals of biotite.	5	7	1	Tr
15.7	17.4	Felsic Gneiss (S)	Light Grey	Medium Grained	Well Foliated	Intermixed quartz veins and veinlets with potassic and sericitic alteration haloes.	5-10	0	>1	Tr
17.4	32.8	Amphibolite	Dark green, black and	Fine Grained	Well Foliated	Pyrite is associated with crystals of biotite, and garnet porphyroblasts.	5-10	7	1	Tr
32.8	34.1	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed quartz veins.	10	0	>1	Tr
34.1	41.5	Amphibolite	Dark green, black and	Fine Grained	Well Foliated	Localized sections (>30 cm) of UMLAMP Dike, and potassically altered felsic gneiss (s)	5	5	1	Tr
41.5	43.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Pervasive spider veinlets with sericite alteration haloes.	15	0	>1	Tr
43.4	45.4	Amphibolite	Dark Green	Fine Grained	Well Foliated	Same as previous.	5	5	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
45.4	49.7	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately well-well	Abundant quartz spider veinlets with potassic and sericitic alteration haloes.	15	0	1	Tr
49.7	121.2	Amphibolite	Dark green, black and	Fine Grained	Well Foliated	Intermixed sections of felsic gneiss (s), granitic pegmatite (10 cm), brecciated zones, and UMLAMP Dike. 91.2, 119.1m - Coarse blebs and veinlets of pyrrhotite.	5	5	>1-1	>1-1
121.2	123.9	UMLAMP Dike	Black and white	Fine Grained	Massive	Brecciated lower contact with pyrrhotite veinlets infilling between clasts.				
123.9	159.9	Altered Felsic Gneiss (S)	Light Grey	Fine Grained	Weakly-moderately well foliated	Patchy disseminated pyrite associated with thin bands and crystals of biotite. Pervasive sericite alteration, localized potassic alteration, quartz spider veinlets, and >10 cm sections of granitic pegmatite. 159.3m - 10 cm section of medium grained net-te	5	0	>1-1	Tr
159.9	166.7	Amphibolite	Grey and Green	Medium Grained	Weakly-moderately	Localized veinlets and blebs of pyrrhotite.	5	5	>1	>1
166.7	183.1	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed granitic pegmatite sections. Localized blebby and veinlets of pyrrhotite.	15	0	>1	1
183.1	208.3	K-Altered Felsic Gneiss (S)	Grey, white, and pink	Fine Grained	Brecciated	Patchy pyrite present in the sections that are less altered. Pervasive potassic alteration, quartz-carbonate veins and zones of brecciation due to intruding UMLAMP Dikes.	5-10	0	>1	>1
208.3	237.6	Amphibolite	Green	Fine Grained	Well Foliated	Localized fine blebs and schlieren pyrite-pyrrhotite. Intermixed potassium feldspar clots. 219.1m - Coarse (1-2 cm) blebs of pyrite.	5	0	Tr->1	Tr->1
237.6	287.1	Altered Felsic Gneiss (S)	Grey and Green	Fine Grained	Well Foliated	Pachy fine grained disseminated pyrite-pyrrhotite overall with localized coarse blebs and net-textured and veinlets of pyrite-pyrrhotite (244, 257.5, 261, 267m).	5-10	0	>1-1	>1-1
287.1	288.8	UMLAMP Dike	Black and white	Fine Grained	Massive					
288.8	331.1	Amphibolite	Grey and Green	Fine Grained	Well Foliated	Localized sections of intermixed altered felsic gneiss.	5	0		
331.1	345.9	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Pyrrhotite veinlets near upper contact.			>1-1	>1-1
345.9	351.8	Amphibolite	Dark\Light green and	Fine Grained	Moderately Well Foliated	Intermixed quartz veinlets.	5-10	10	Tr	Tr
351.8	356.2	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	15	0	>1	>1
356.2	375.5	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	5	2	>1	>1
375.5	394.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz clots and veins.	15	0	>1-1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 482	Bearing of Hole from true North 235	Total Depth (m) 250	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 30/11/2011	Date Completed 05/12/2011	Date Logged Dec.2-5 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 327212
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304885
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	5.6	Casing								
5.6	7.9	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Intermixed quartz-carbonate veinlets. Patchy blebby and disseminated pyrite-pyrrhotite is associated with biotite.	15	0	1	>1
7.9	11.3	Quartz-Feldspar Porphyry (QFP)	Grey and white	Medium-coarse	Porphyritic	Pyrite is associated with crystals of biotite. Intermixed quartz spider veinlets with sericite alteration haloes.	10-15	0	1	Tr
11.3	32.9	Amphibolite	Dark\Light Green	Fine Grained	Well Foliated	Blebby and disseminated pyrite-pyrrhotite are associated with bands of biotite. Unit is similar to hanging wall amphibolites seen at Borden Lake.	10	0	>1-1	>1-1
32.9	36.6	Felsic Gneiss (S)	Grey and white	Medium Grained	Moderately Well Foliated	Intermixed quartz veins and spidet veinlets.	15-20	0	1	Tr
36.6	55.1	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Coarse blebby pyrrhotite-pyrite associated with biotite rich sections.	15-20	1	1	1
55.1	71.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz veins, and spider veinlets with sericitic and potassic alteration haloes. Minor pyrrhotite present along margins of pyrite blebs. Unit resembles similar units seen at Borden Lake.	20	0	1-2	Tr
71.6	74.8	Diabase Dike	Black and white	Fine Grained	Massive					
74.8	83.6	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	30% of the pyrite are well formed cubic crystals. Intermixed quartz spider veinlets.	20	0	1-2	Tr
83.6	90.7	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets.	30	0	1	Tr

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
90.7	97.7	Felsic Gneiss (S)				Intermixed quartz spider veinlets.	15	0	1-2	Tr
97.7	109.1	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed QFP and quartz-carbonate veinlets.	5	0	>1	Tr
109.1	115.2	Felsic Gneiss (S)	Grey and white	Fine-medium	Moderately Well Foliated	Intermixed quartz spider veinlets with sericite alteration.	15	0	>1	Tr
115.2	128.0	Amphibolite	Dark Green	Fine Grained	Well Foliated	Fine-medium grained schlieren, blebby and disseminated pyrrhotite-pyrite. Localized quartz-carbonate veinlets.	5-10	0	1	1
128.0	129.4	Felsic Gneiss (S)	Grey	Fine-medium	Well Foliated	Intermixed quartz spider veinlets with alteration haloes.	10	0	>1	Tr
129.4	137.0	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Moderately Well Foliated	Coarse grained garnet porphyroblasts.	40	10	1	Tr
137.0	139.1	Amphibolite	Dark Green	Fine Grained	Well Foliated	"Intergrown" coarse grained blebs of pyrrhotite-pyrite.	5	0	>1	1-2
139.1	168.9	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Fine-medium grained blebby pyrrhotite-pyrite at the margins of quartz veins/clots. Intermixed quartz spider veinlets with potassic and sericitic alteration haloes.	15	00	>1-1	>1-1
168.9	173.2	Amphibolite				172.6m- 3x6 cm clot of pyrrhotite at the margin of a quartz vein.	15	0	1	2
173.2	184.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Patchy garnet porphyroblasts, and intermixed garnet porphyroblasts.	15	1	1	>1
184.8	205.1	Amphibolite	Green	Fine Grained	Well Foliated	Sections of blebby pyrite-pyrrhotite associated with garnet porphyroblasts. Intermixed quartz carbonate veins.	5-10	1	1	1
205.1	214.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Intermixed quartz spider veinlets.	15	0	1	1
214.8	216.8	Amphibolite	Grey and Green	Fine Grained	Moderately Well Foliated	Same as previous.	5	0	Tr	Tr
216.8	227.9	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Sulfides associated with crystals of biotite.	15	1	1	>1-1
227.9	229.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
229.4	240.0	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Same as previous.	15	0	>1-1	>1-1
240.0	250.0	Diorite	Grey and white	Medium Grained	Massive-weakly	Intermixed quartz spider veinlets.	30	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 480	Bearing of Hole from true North 235	Total Depth (m) 283	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, Lat/Long) Cochrane Township
Date Hole Started 05/12/2011	Date Completed 09/12/2011	Date Logged Dec.6-9 2011	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 327104 Northing 5304794 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.3	Casing								
2.3	32.3	Felsic Gneiss (S)	Grey	Medium Grained	Moderately Well Foliated	Intermixed quartz veins, and veinlets, and localized vugs. Coarse blebby and fine disseminated pyrite.	15-20	0	1-2	Tr
32.3	49.8	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz veinlets. Patchy sections of blebby pyrrhotite and pyrite.	5-10	0	>1	>1
49.8	62.4	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Blebby, schlieren, and disseminated fine-medium grained pyrite. Intermixed quartz spider veinlets with sericitic and potassic alteration haloes.	20	0	1-2	Tr
62.4	65.2	Altered Biotite Felsic Gneiss	Dark Green	Fine Grained	Moderately Well Foliated	Localized sericite alteration haloes.	30	0	>1	1-2
65.2	68.9	Felsic Gneiss (S)	Light Grey	Medium-coarse	Massive-weakly	Intermixed quartz spider veinlets. Localized coarse grained blebs of pyrrhotite-pyrite.	15	0	>1	Tr
68.9	87.0	Biotite Felsic Gneiss	Dark Grey	Fine Grained	Well Foliated	Localized chlorite alteration. Intermixed amphibolite layers, and quartz spider veinlets with sericite alteration.	35	0	>1-1	>1-1
87.0	94.4	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine Grained	Well Foliated	91.2m - 2-3 cm garnet porphyroblasts in a quartz clot and 2-3 cm pyrrhotite blebs. Localized quartz spider veinlets.	40	5	>1-1	>1-1
94.4	134.7	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Localized sections of 2-3 medium grained blebby pyrrhotite-pyrite. Intermixed quartz veinlets and potassic and sericitic alteration. 119.9m - 3cm wide pyrrhotite vein.	15	Tr-1	1	1
134.7	136.6	UMLAMP Dike	Black and white	Fine Grained	Massive					
136.6	142.7	Felsic Gneiss (S)	Dark Grey	Fine Grained	Moderately Well Foliated	1% pyrite-pyrrhotite overall with localized zones of 1-2%. Localized quartz clots and quartz spider veinlets with sericitic alteration haloes.	15-20	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
142.7	146.1	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Patchy disseminated and blebby pyrrhotite. Small 10 cm and less sections of QFP cutting through the unit.	15	0	Tr- >1	>1-1
146.1	155.5	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized sections of 1-2% fine grained blebby, disseminated and schlieren pyrite. Localized potassic and sericitic alteration.	10	0	1	Tr
155.5	158.2	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized potassic altered sections.	25	0	>1-1	Tr
158.2	163.5	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz veins\clots, and medium grained blebs of pyrite.	10-15	0	1-2	Tr
163.5	165.6	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized quartz spider veinlets.	30	0	>1	Tr
165.6	167.8	Felsic Gneiss (S)	Grey	Fine Grained	Well Foliated	Localized quartz clots, veins and veinlets.	10	0	>1	Tr
167.8	170.6	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Abundant potassic alteration.	30	0	Tr- >1	Tr
170.6	196.2	Felsic Gneiss (S)	Variable Grey	Fine-medium	Moderately Well Foliated	Unit is sericitically altered at the lower contact.	5-10	0	>1-1	Tr
196.2	200.0	Felsic Gneiss (S)	Dark Grey	Fine Grained	Well Foliated	Localized quartz spider veinlets.	20	0	>1-1	>1-1
200.0	210.2	UMLAMP Dike	Black and white	Fine Grained	Massive					
210.2	231.0	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Fine Ddisseminated, schlieren, and locally coarse blebs of pyrite-pyrhotite.	5	0	1	1
231.0	248.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Intermixed potassic and sericitic alteration.	5-10	0	Tr	Tr
248.8	262.4	Amphibolite	Black and green	Fine Grained	Moderately Well Foliated	Localized coarse blebs of pyrrhotite-pyrite.	20	0	1	1
262.4	272.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed granitic pegmatite clots, and quartz spider veinlets with potassic and sericitic alteration.	10	0	>1	Tr
272.8	282.7	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Localized quartz spider veinlets with potassic alteration.	30	0	>1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 480	Bearing of Hole from true North 235	Total Depth (m) 364	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 09/12/2011	Date Completed 09/12/2011	Date Logged Dec.10-13 2011	Logged By Craig Yuill		(m) degrees	Property Name Borden Lake	Easting 327104
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5304794
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	3.3	Casing								
3.3	33.7	Felsic Gneiss (S)	Grey	Fine Grained	Weakly-moderately	Disseminated and blebby pyrite ranging from fine-medium grained. Pervasive quartz spider veinlets with sericitic alteration haloes.	15	0	1-2	Tr
33.7	51.8	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized blebby, schlieren, and disseminated pyrite-pyrrhotite. Localized quartz-carbonate spider veinlets.	5	0	1	1
51.8	53.6	Quartz-Feldspar Porphyry (QFP)	Grey and white	Coarse Grained	Porphyritic	Localized quartz spider veinlets.	15	0	Tr	Tr
53.6	57.9	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Localized coarse grained blebs of pyrrhotite-pyrite.	5		1	1
57.9	72.7	Felsic Gneiss (S)	Grey	Fine-medium	Weakly-moderately	Localized sections of 2-3% pyrite. 69m- quartz clots with coarse grained blebs (2-4 cm) of pyrite.	10-15	0	1-2	Tr
72.7	78.4	Felsic Gneiss (S)	Light Grey	Medium-coarse	Moderately Well Foliated	Disseminated pyrite is associated with crystals of biotite.	5	0	1	Tr
78.4	80.2	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	5	0	>1	>1
80.2	83.8	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets.	20	0	>1	>1
83.8	91.5	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Localized quartz spider veinlets. Patchy pyrite-pyrrhotite.	5	0	>1-1	>1-1
91.5	99.8	Garnet Biotite Felsic Gneiss	Grey, black and pink	Fine-medium	Well Foliated	Patchy disseminated and schlieren pyrite-pyrrhotite. Localized quartz spider veinlets.	30	10	>1-1	>1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
99.8	108.3	Amphibolite	Dark Green	Fine Grained	Moderately well-well	Localized quartz-carbonate spider veinlets with sericite alteration haloes.	5	0	>1	1
108.3	145.8	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Blebbly and schlieren pyrite, and localized coarse grained pyrrhotite blebs associated with quartz veins.	10	1	1-2	>1-1
145.8	152.0	Amphibolite	Green	Fine Grained	Well Foliated	Intermixed quartz-carbonate veinlets.	5	0	>1	>1
152.0	154.1	UMLAMP Dike	Black and white	Fine Grained	Massive					
154.1	159.6	Amphibolite	Dark Green	Fine Grained	Well Foliated	Intermixed quartz-carbonate veinlets.	5	0	>1	Tr
159.6	210.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets. Localized coarse grained blebs of pyrite.	15	0	>1-1	>1
210.6	215.2	Amphibolite	Dark Green	Fine Grained	Well Foliated	Localized quartz veinlets with potassic and sericite alteration, and quartz veins.	5	0	>1-1	Tr
215.2	220.2	Felsic Gneiss (S)	Light Grey	Medium-coarse	Weakly-moderately	Pyrite is associated with biotite crystals.	5	0	>1	Tr
220.2	237.2	Amphibolite	Dark\Light Green	Fine Grained	Weakly-moderately	Coarse grained blebs and veins of pyrrhotite-pyrite, and localized schlieren and disseminated.	5-10	1	>1-1	1-2
237.2	238.3	UMLAMP Dike	Black and white	Fine Grained	Massive					
238.3	242.0	Amphibolite	Dark\Light Green	Fine Grained	Moderately Well Foliated	Localized quartz clots with sulfides at their margin.	5-10	1	>1-1	>1-1
242.0	246.4	UMLAMP Dike	Black and white	Fine Grained	Massive					
246.4	253.2	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Sulfides are associated with biotite.	5	0	Tr->1	1
253.2	276.7	Felsic Gneiss (S)	Light Grey	Medium-coarse	Weakly-moderately	Localized quartz spider veinlets with potassic alteration haloes.	5	0	>1-1	Tr
276.7	303.0	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Interlayer siliceous and biotite rich sections with increased sulfides. Disseminated, blebbly and clots of prite-pyrrhotite. Localized quartz veins and sericite alteration.	5-10	0	>1-1	>1-1
303.0	309.3	Felsic Gneiss (S)	Grey and white	Medium Grained	Weakly-moderately	Localized quartz spider veinlets with potassic alteration haloes.	10	0	>1-1	Tr
309.3	332.3	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Coarse grained blebbly and fine grained disseminated, and schlieren pyrite-pyrrhotite. Increase in sulfides associated with crystals of biotite, quartz veins and chlorite alteration patches.	5-10	0	1	1

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
332.3	358.7	Diorite	Grey, white, and pink	Medium Grained	Massive-weakly	Pervasive potassic alteration.	30	0	>1	Tr
358.7	363.9	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Localized sericite alteration.	10	0	Tr	1

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 475	Bearing of Hole from true North 235	Total Depth (m) 323	Dip of Hole At Collar 45	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 13/12/2011	Date Completed 18/12/2011	Date Logged Dec.14-18	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 326987 Northing 5304712 Datum NAD 83 Zone 17
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		
					(m) degrees		

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.9	Casing								
2.9	67.3	Felsic Gneiss (S)	Variable Grey	Fine Grained	Moderately Well Foliated	Localized coarse blebs of pyrite-pyrrhotite associated with quartz clots, biotite rich sections. 12m- Intermixed amphibolite layer. 25m- Intermixed diorite. 45.7m- 40 cm section of 2-3 pyrite-pyrrhotite. 55.4m- 15 cm section 2-3% Pyrite-pyrrhotite.	15	0	1	1
67.3	71.2	Altered Garnet Biotite Felsic Gneiss	Dark\Light green and	Fine Grained	Moderately Well Foliated	Pervasive chlorite alteration, and crystalline amphibole.	25-30	5	1	1
71.2	93.0	Amphibolite	Dark Green	Fine-medium	Moderately Well Foliated	Sulfides associated with biotite, and quartz-carbonate veins.	5-10	0	>1	1-2
93.0	103.1	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Localized potassic and sericite alteration.	5	0	Tr	1
103.1	143.0	Amphibolite	Dark Green	Fine Grained	Moderately well-well	Localized quartz-carbonate veins and veinlets.	5-10	0	Tr	1
143.0	157.2	Altered Biotite Felsic Gneiss	Dark Grey	Fine Grained	Moderately Well Foliated	Chlorite altered biotite felsic gneiss with bands of amphibolite. Localized pyrite-pyrrhotite associated with biotite.	30	0	>1-1	>1-1
157.2	167.3	Amphibolite	Dark Green	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets.	5-10	3	>1	1
167.3	185.6	Felsic Gneiss (S)	Grey	Fine Grained	Moderately Well Foliated	Intermixed quartz spider veinlets, quartz veins, potassic and sericitic alteration haloes. Localized 3-5 cm veinlets of pyrite.	10	0	1	>1
185.6	213.2	Altered Biotite Felsic Gneiss	Dark green, black and pink	Fine-medium grained	Moderately Well Foliated	3-4% medium-coarse grained blebby, and fine grained disseminated and schlieren pyrrhotite-pyrite consistent throughout the unit. Patchy garnet porphyroblasts, and localized amphibole rich sections. 206.7m- 3x30 cm vein of pyrite-pyrrhotite. Localized quartz veins.	30	1	2	2

From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
213.2	252.3	Amphibolite	Dark Green	Fine Grained	Weakly-moderately	Intermixed quartz spider veinlets.	15	0	>1	1
252.3	273.0	Diabase Dike	Black and white	Fine Grained	Massive					
273.0	289.2	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Patchy coarse grained blebby and fine grained disseminated pyrite-pyrrhotite.	5	0	>1-1	>1-1
289.2	312.4	Diabase Dike	Black and white	Fine Grained	Massive					
312.4	323.0	Felsic Gneiss (S)	Variable Grey	Fine-medium	Weakly-moderately	Intermittent amphibolite setions.	5	0	Tr-1	Tr

Drilling Company Bradley Brothers	Core Size NQ	Collar Elevation (m) 475	Bearing of Hole from true North 235	Total Depth (m) 215	Dip of Hole At Collar 60	Location where core stored Chapleau Ont	Location of DDH (TWP, Lot, Con, LatLong) Cochrane Township
Date Hole Started 18/12/2011	Date Completed 16/01/2012	Date Logged Dec.19 2011-Jan.17	Logged By Craig Yuill	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 326987
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304712
							Datum NAD 83
							Zone 17

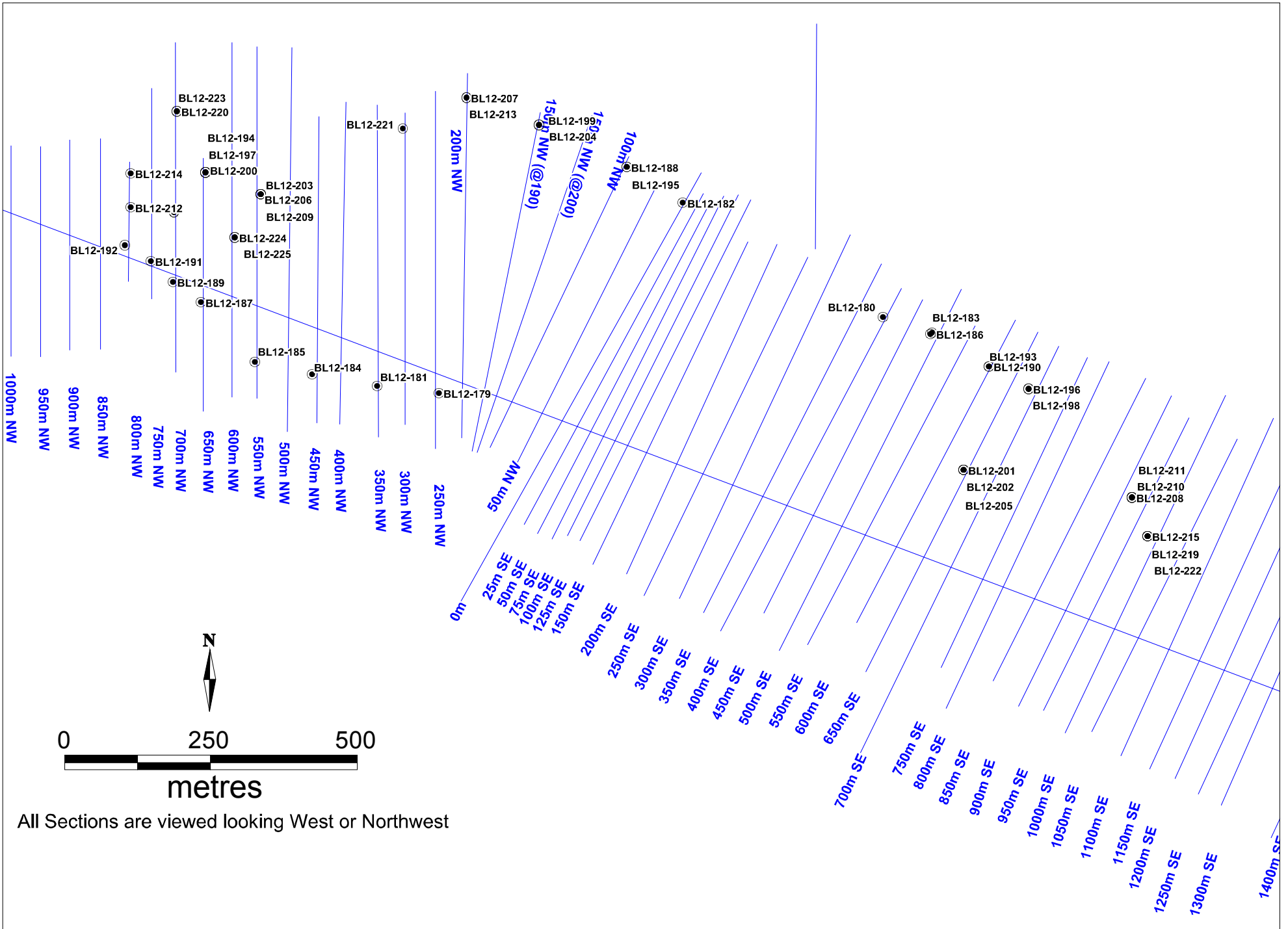
From	To	RockType	Colour	Grain Size	Texture	Description	Bio %	Gt %	Py %	Po %
0.0	2.7	Casing								
2.7	66.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized sections of 1-2% pyrite, and localized coarse grained blebby pyrite.	5-10	0	1	>1
66.0	108.1	Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Intermixed quartz-carbonate veinlets.	5-10		Tr	1-2
108.1	118.0	Felsic Gneiss (S)	Grey	Medium-coarse	Moderately Well Foliated	Patchy pyrite. Localized section of UMLAMP Dike.	5	0	>1-1	Tr
118.0	155.1	Amphibolite	Dark Green	Medium Grained	Moderately Well Foliated	Localized quartz-carbonate veinlets.	5	0	1	Tr
155.1	168.3	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized quartz veins and quartz pegmatite.	10-15	0	1	>1
168.3	177.0	Amphibolite	Green	Fine Grained	Well Foliated	Localized coarse grained blebby pyrrhotite-pyrite.	15	>1	1	Tr
177.0	215.0	Felsic Gneiss (S)	Grey	Fine-medium	Moderately Well Foliated	Localized sections of 1-2% pyrrhotite-pyrite. Localized coarse grained blebby sulfides.	10-15	0	1	1

APPENDIX III

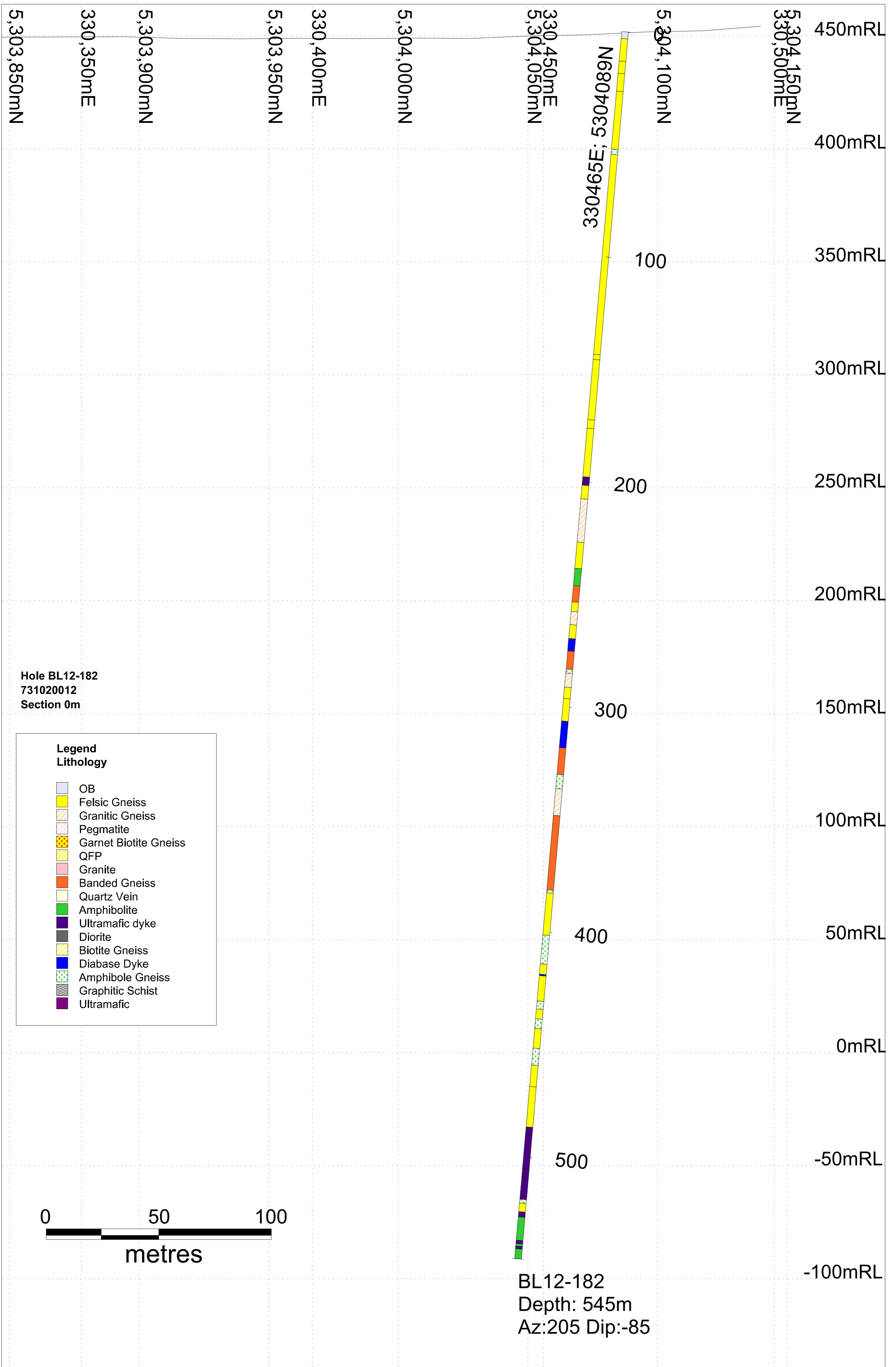
Plan View of Section Lines

And

Drill Hole Cross Sections (1:1,000)



All Sections are viewed looking West or Northwest



5,303,850mN

330,350mE

5,303,900mN

5,303,950mN

330,400mE

5,304,000mN

330,450mE
5,304,050mN

5,304,100mN

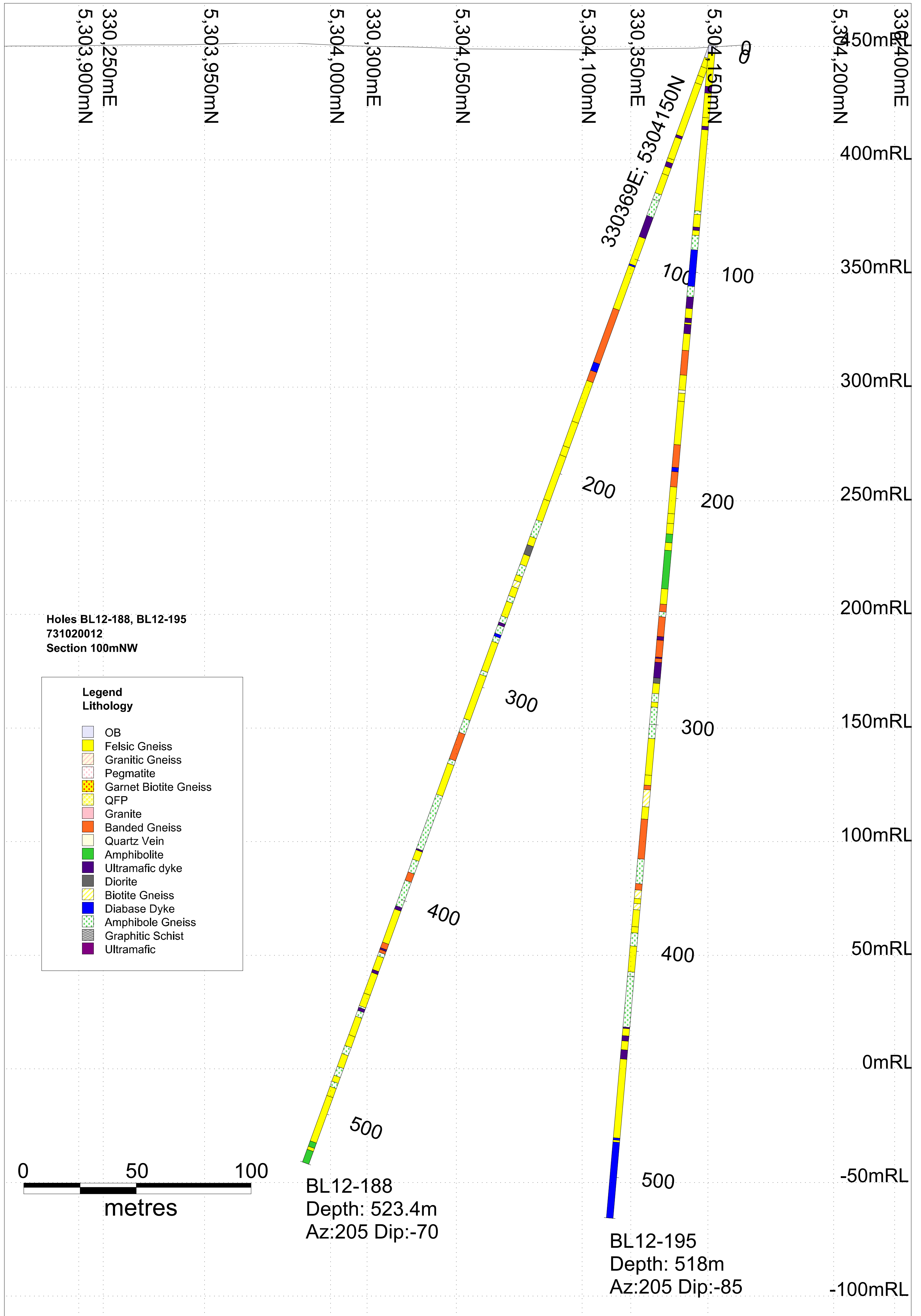
5,304,150mN
330,500mE

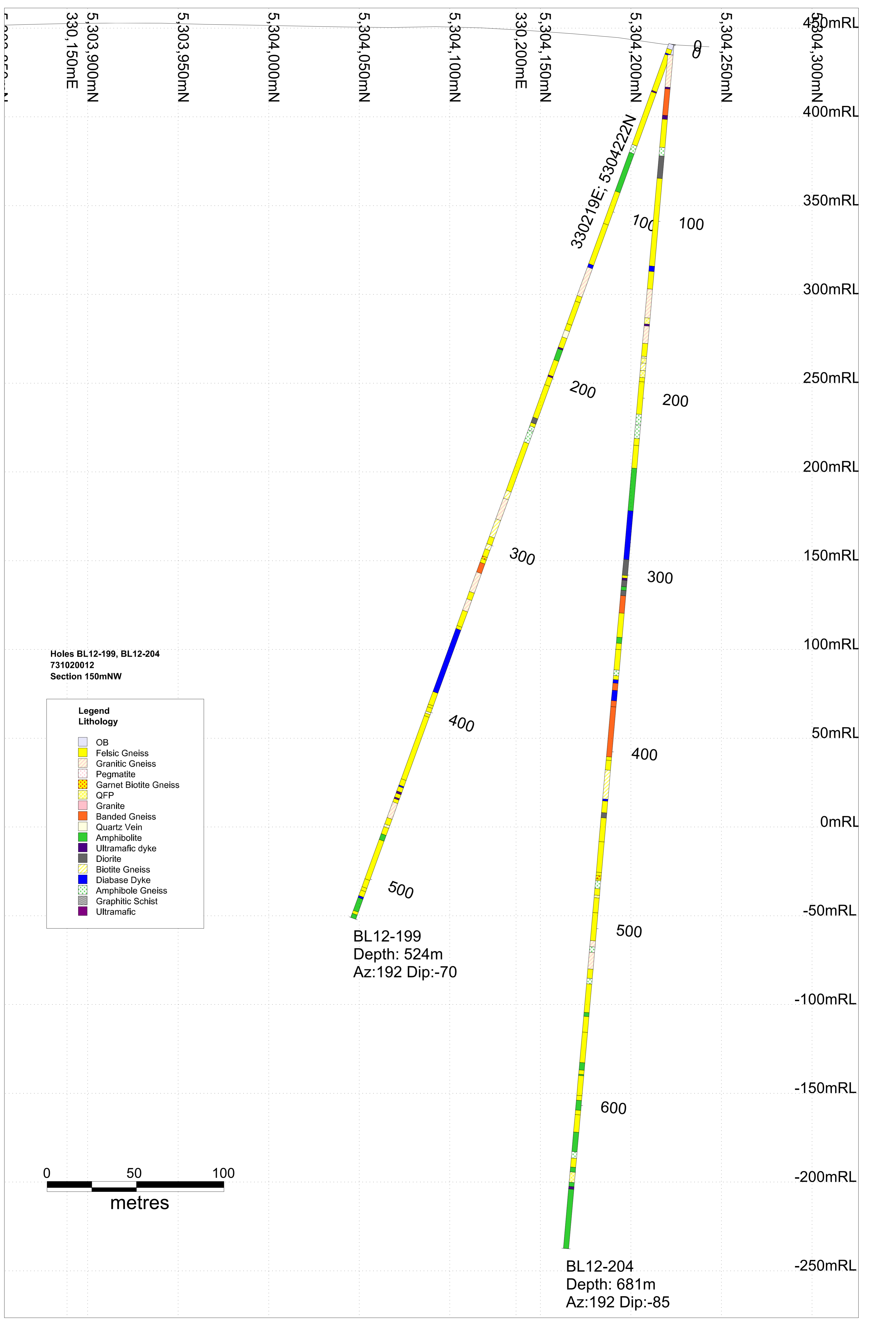
N6804035; 5304099
330465E; 5304099

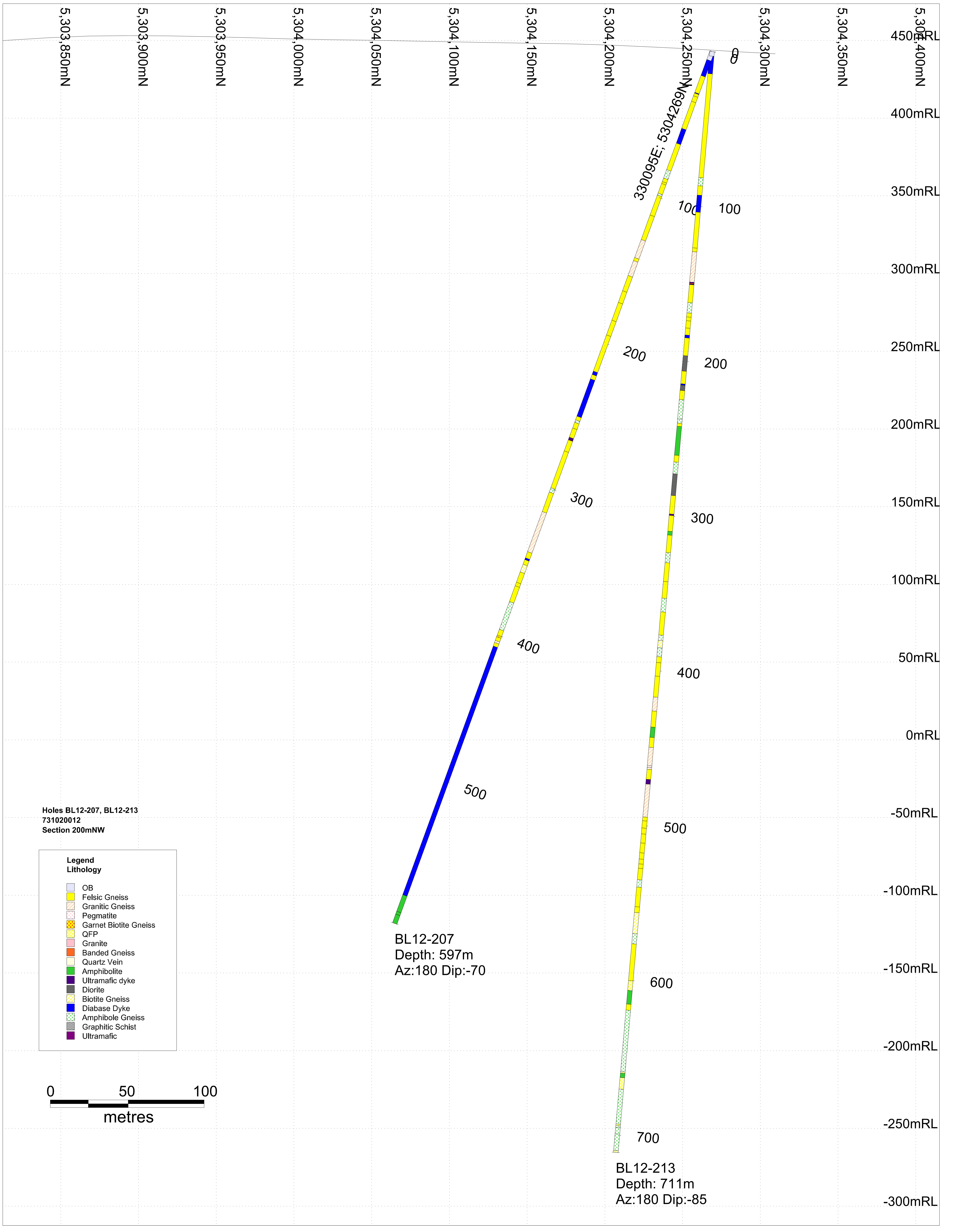
450mRL
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
100mRL
50mRL
0mRL
-50mRL
-100mRL

100
200
300
400
500

0 50 100
metres




















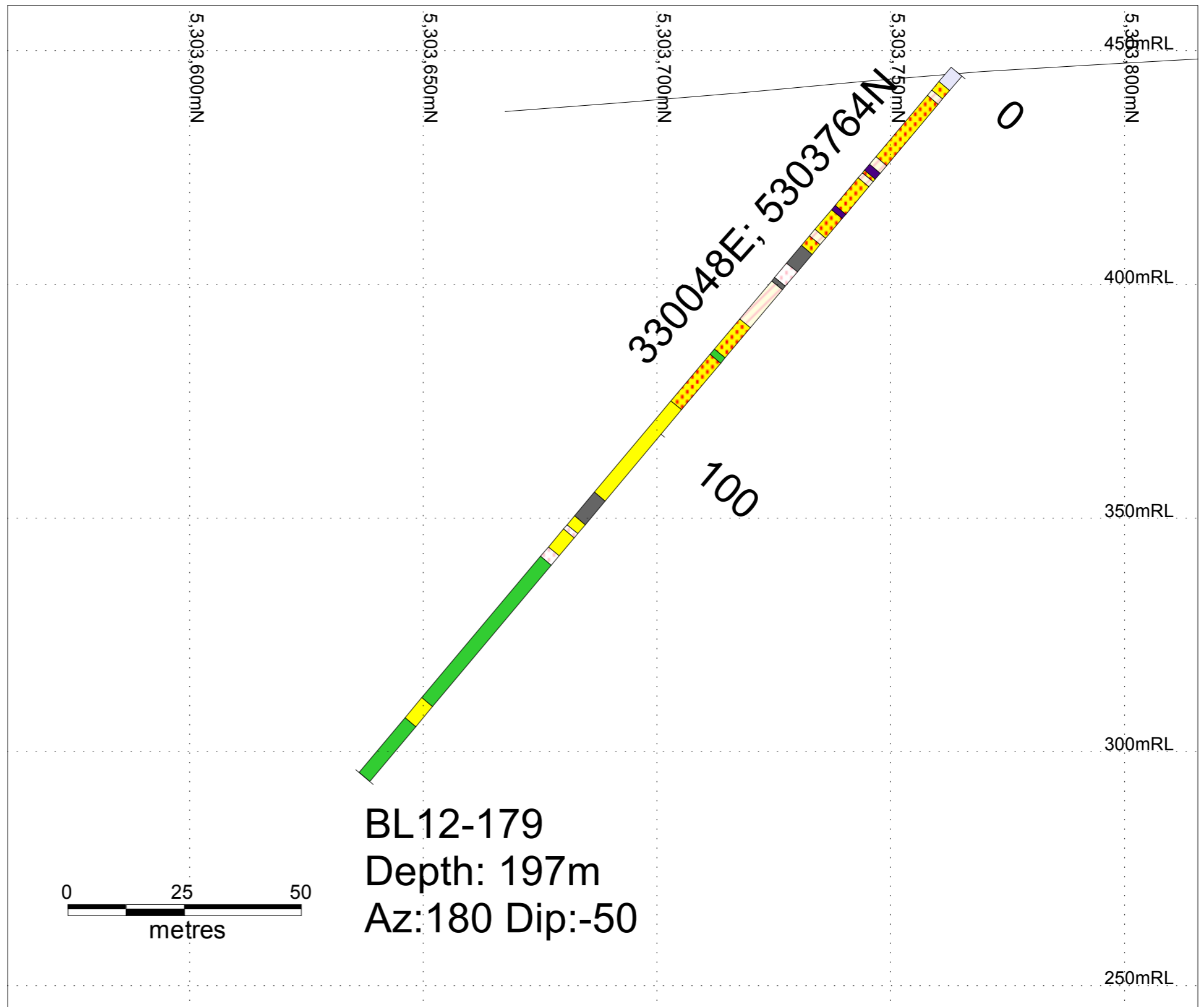


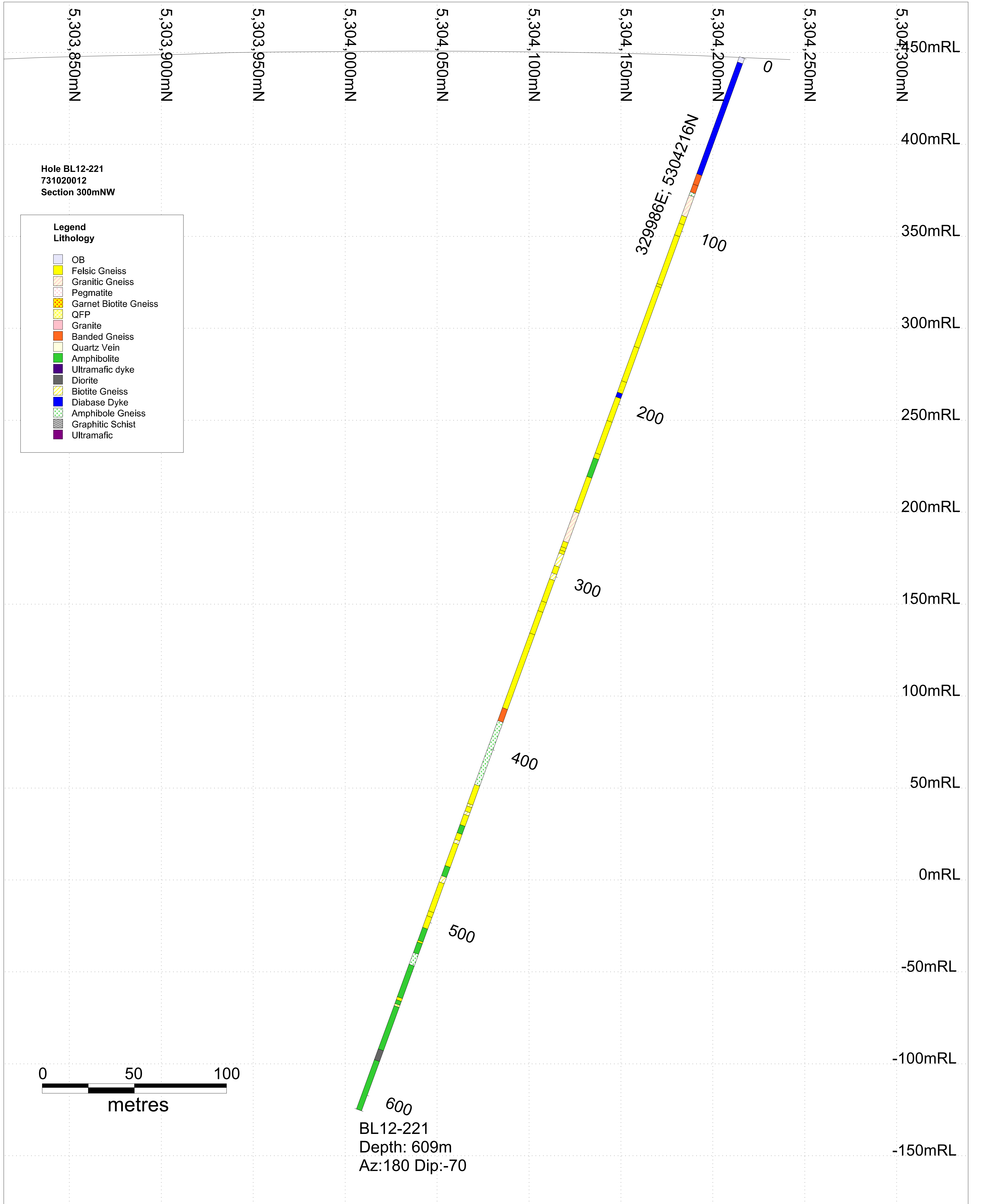


Hole BL12-179
 4227868
 Section 250mNW

Legend
 Lithology

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic

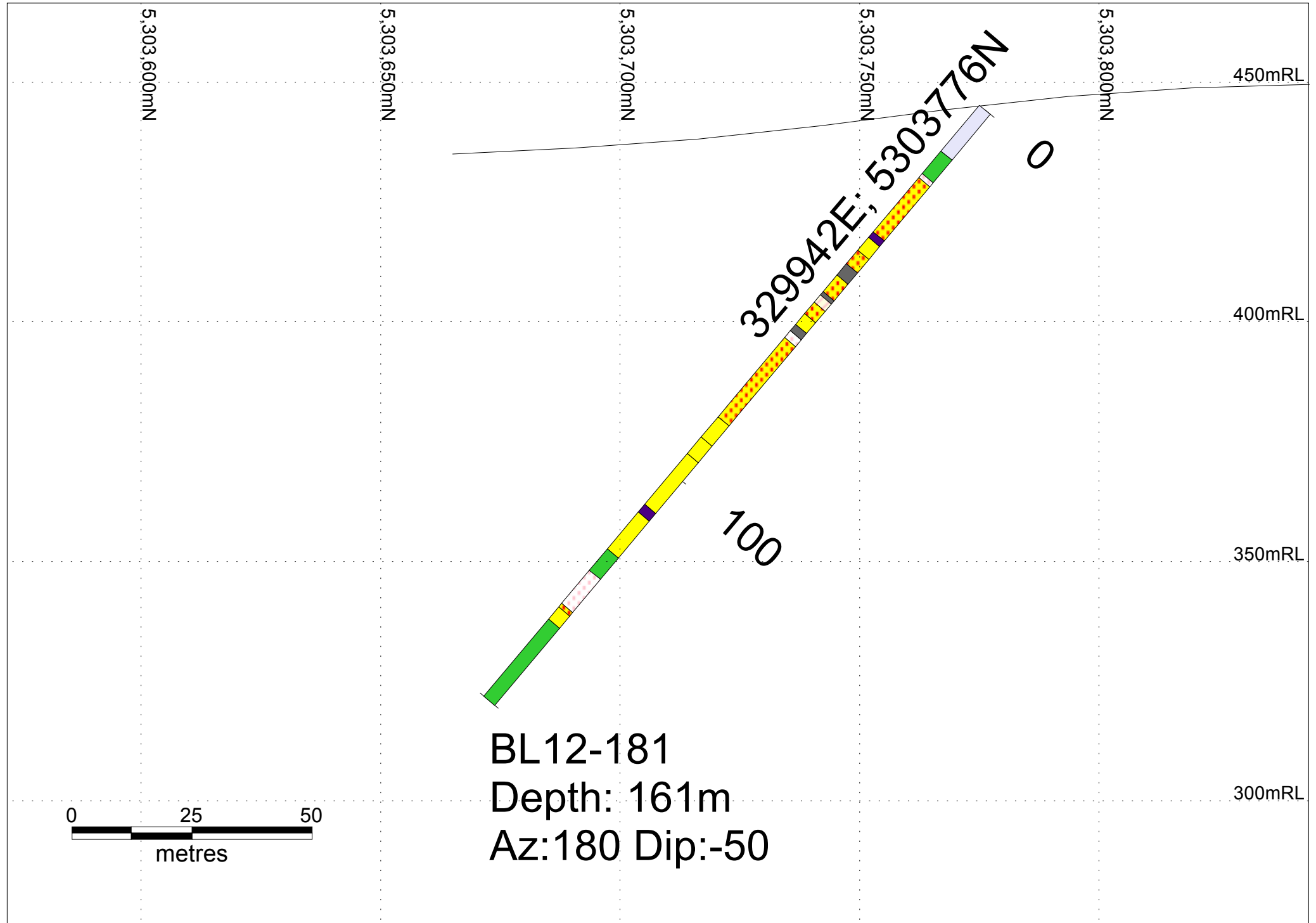




Hole BL12-181
 4227868
 Section 350mNW

**Legend
 Lithology**

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic



731020014 731020016

330,850mE
5,303,950mN
450mRL

5,303,900mN

330,800mE

5,303,850mN

5,303,800mN

330,750mE

5,303,750mN

5,303,700mN

330,700mE

5,303,650mN

400mRL

350mRL

300mRL

250mRL

200mRL

150mRL

100mRL

50mRL

0mRL

-50mRL

NC683035; E170807E; 330807E

100

200

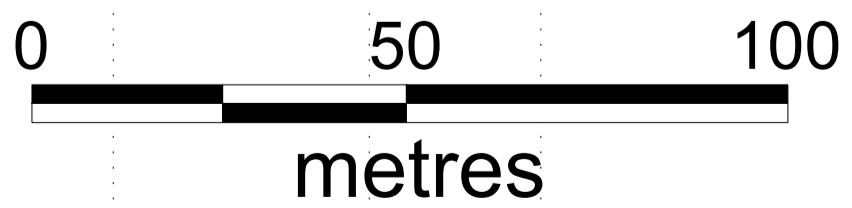
300

400

Hole BL12-180
731020016 & 731020014
Section 400mSE

Legend
Lithology












- OB
- Felsic Gneiss
- Granitic Gneiss
- Pegmatite
- Garnet Biotite Gneiss
- QFP
- Granite
- Banded Gneiss
- Quartz Vein
- Amphibolite
- Ultramafic dyke
- Diorite
- Biotite Gneiss
- Diabase Dyke
- Amphibole Gneiss
- Graphitic Schist
- Ultramafic

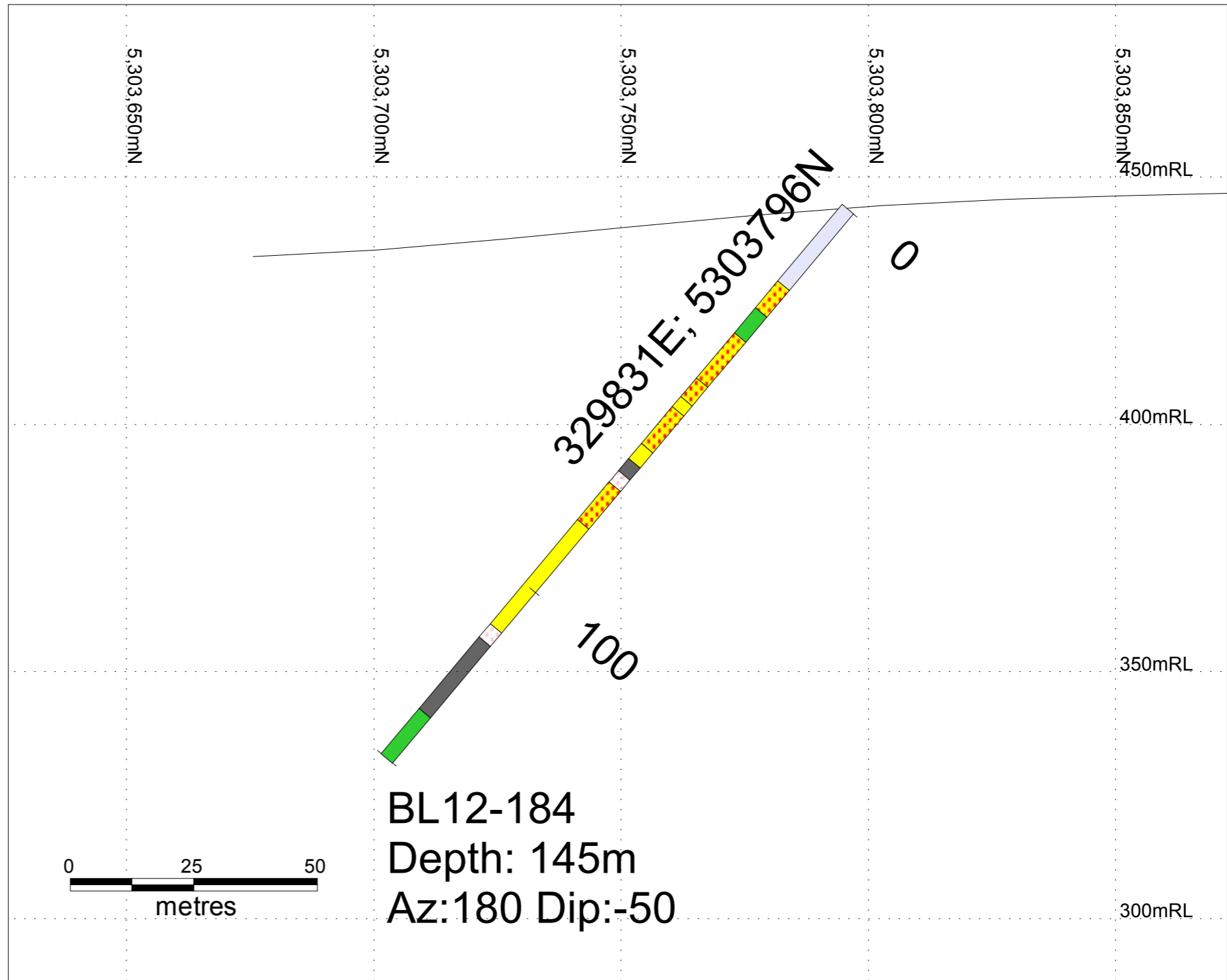


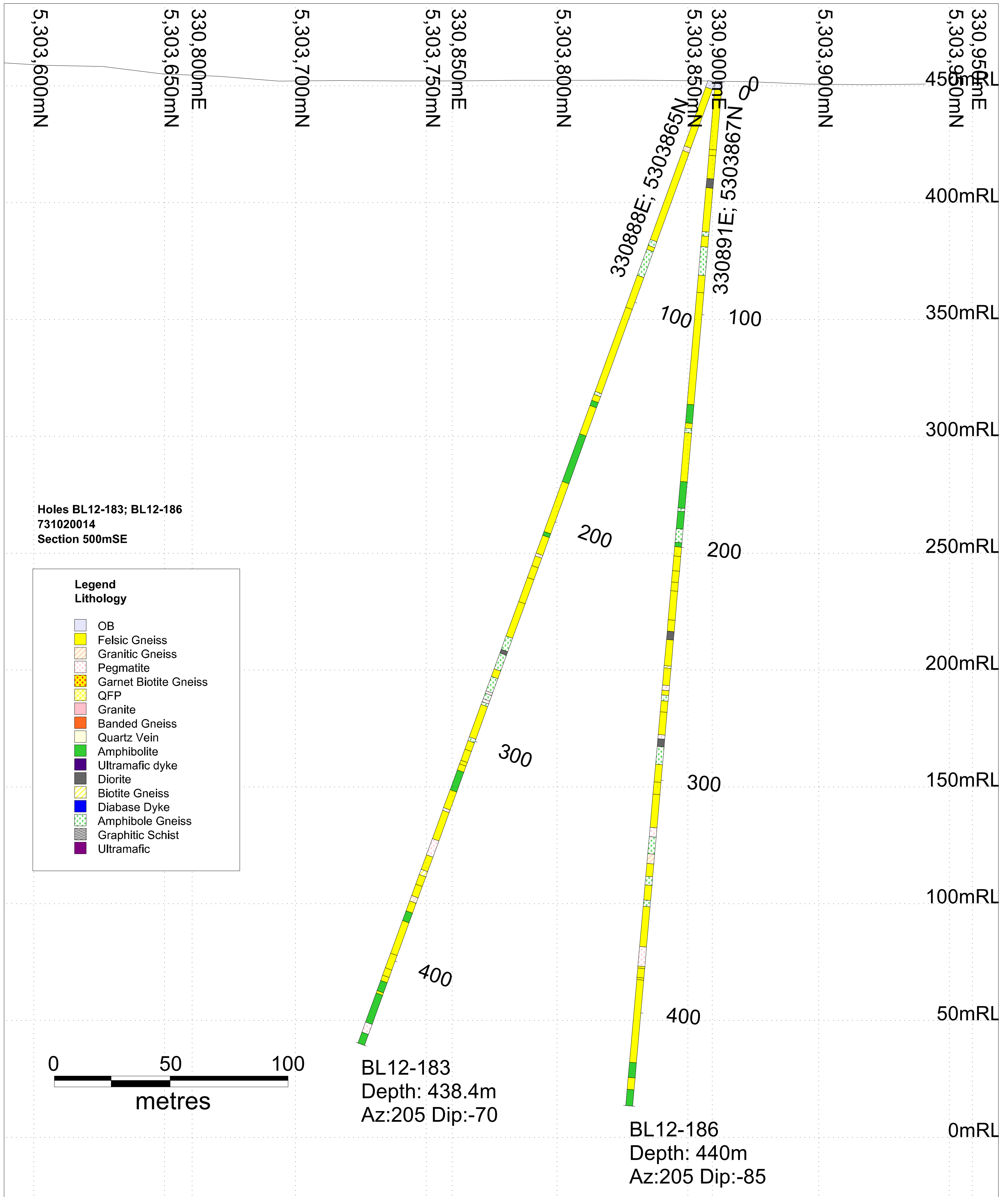
BL12-180
Depth: 470m
Az:205 Dip:-85

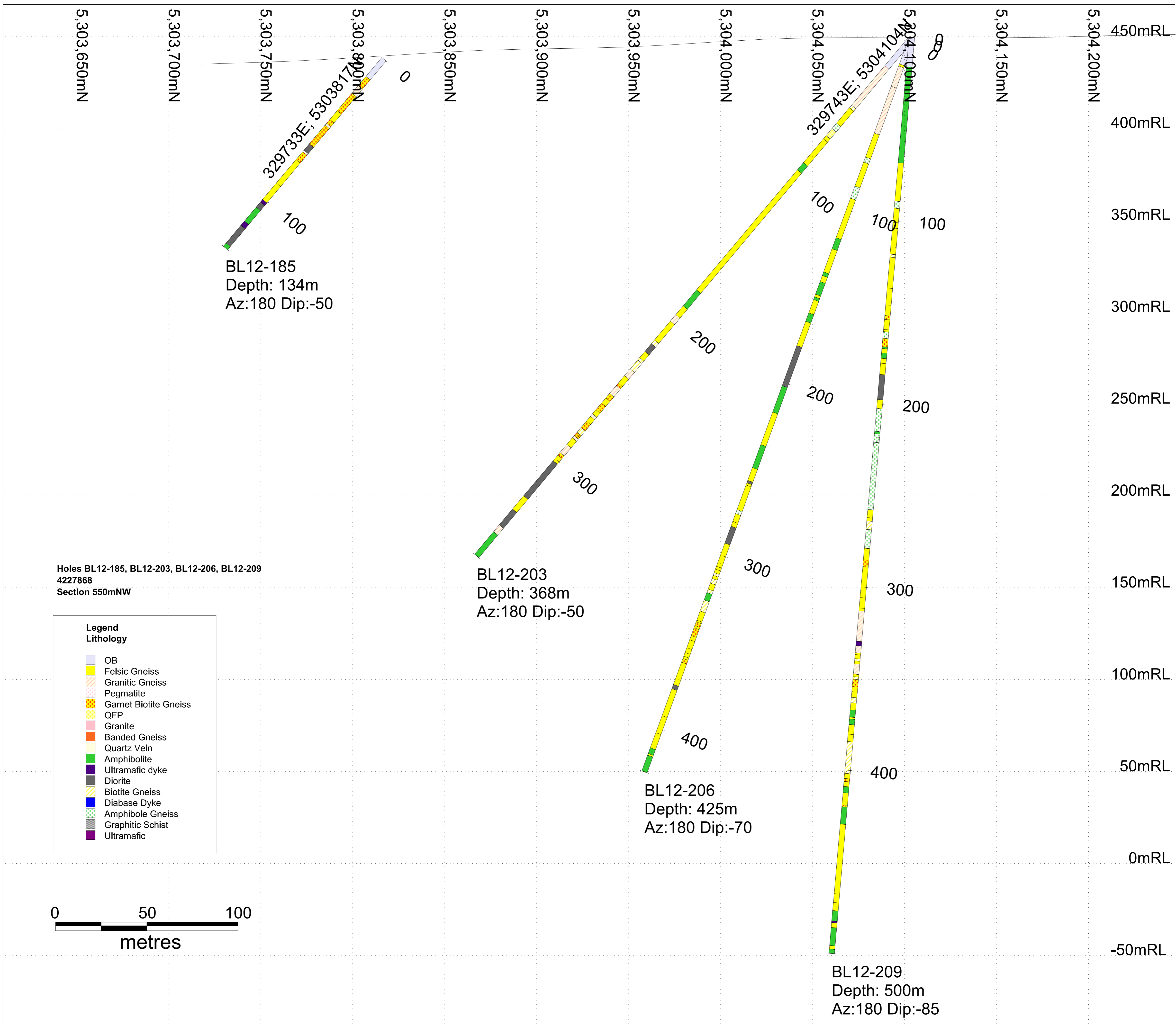
Hole BL12-184
4227868
Section 450mNW

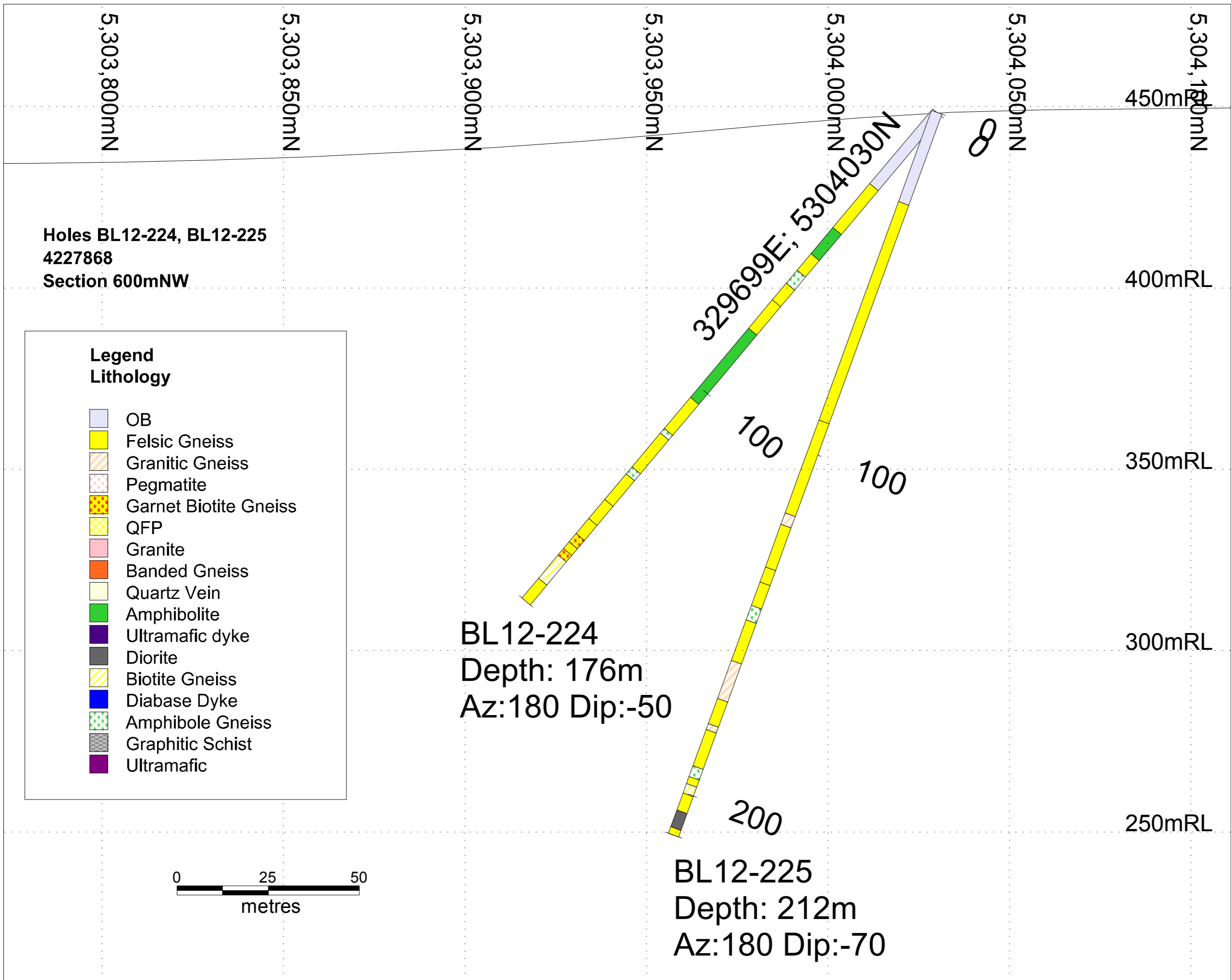
Legend
Lithology

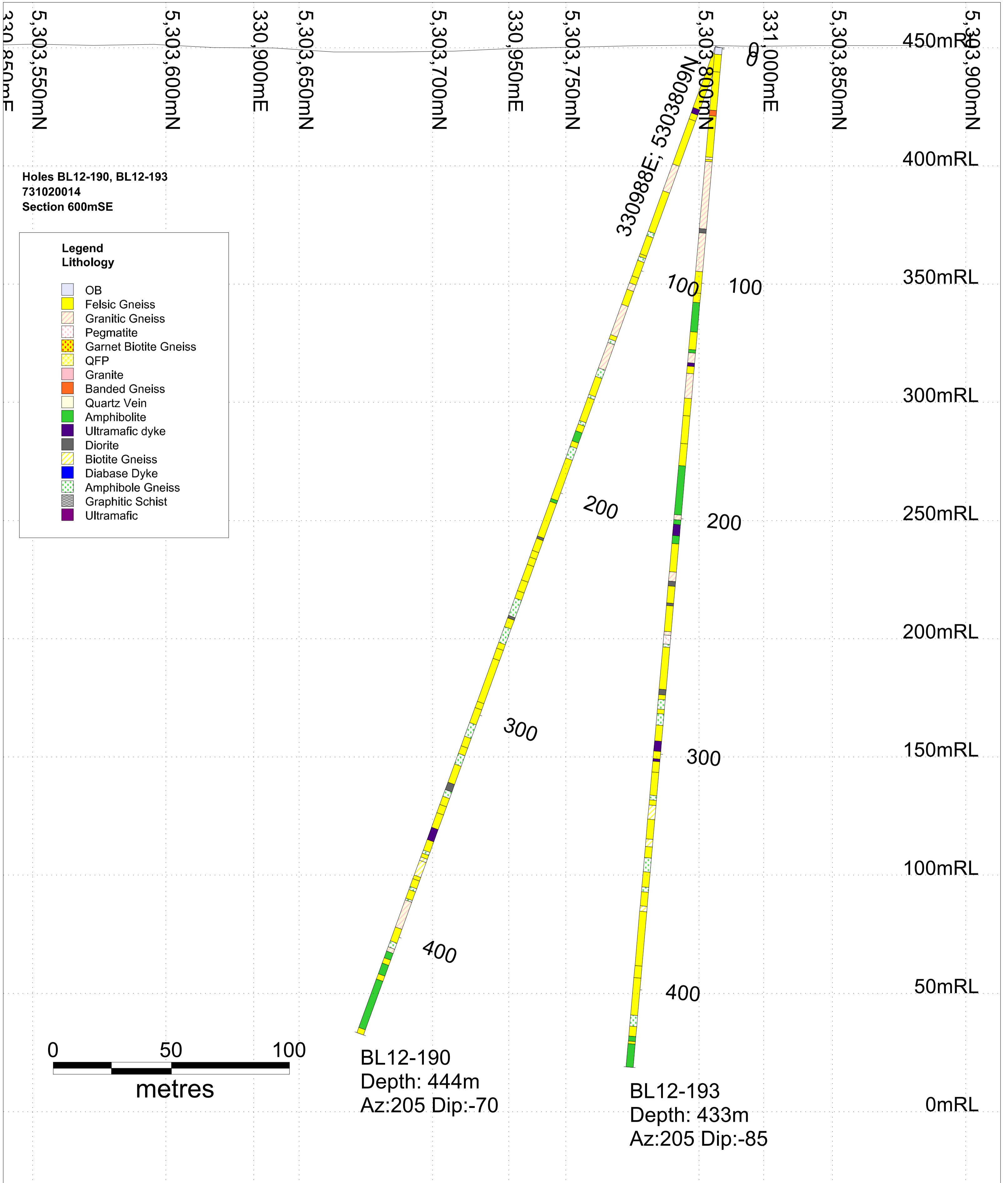
-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic

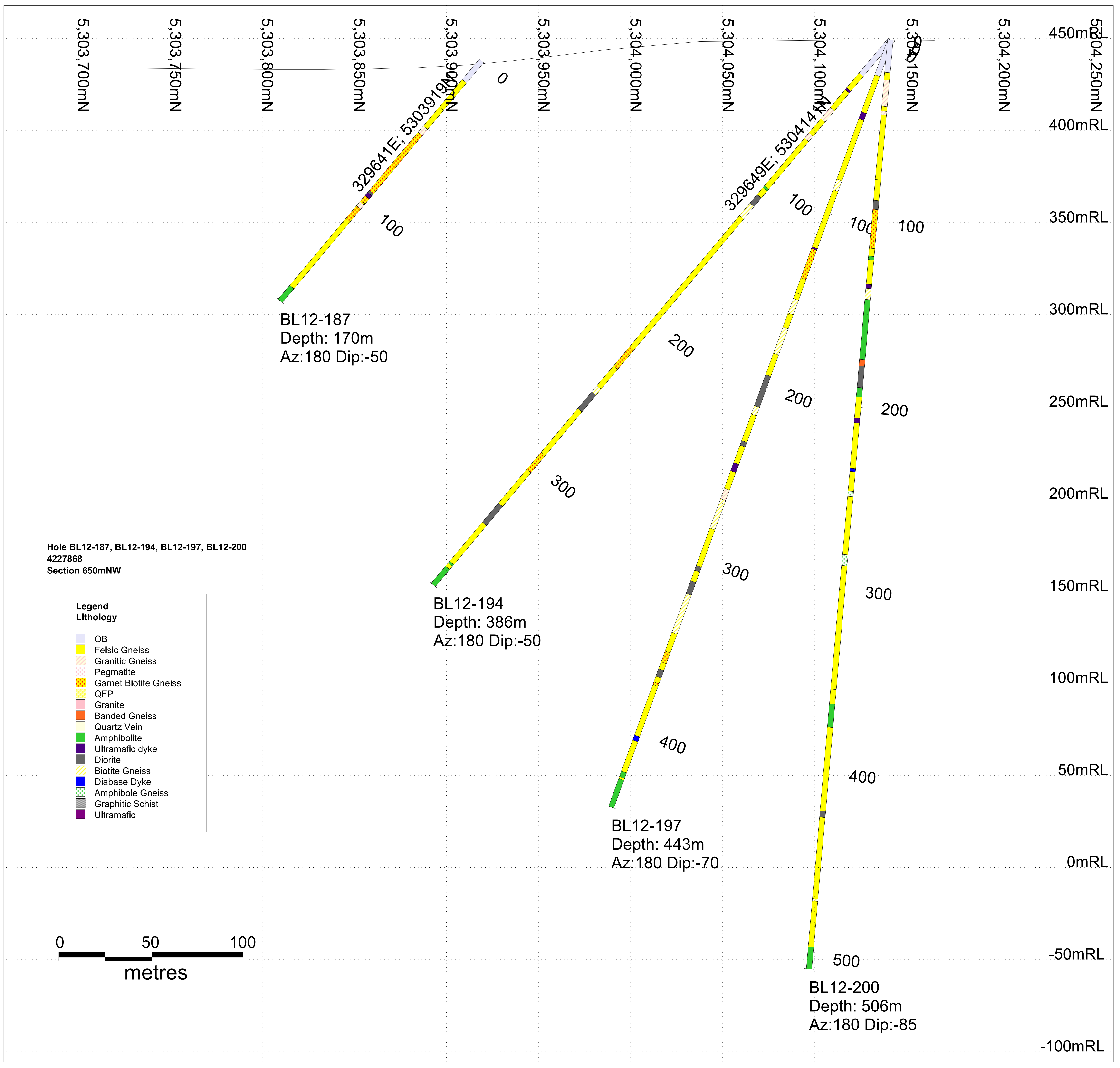


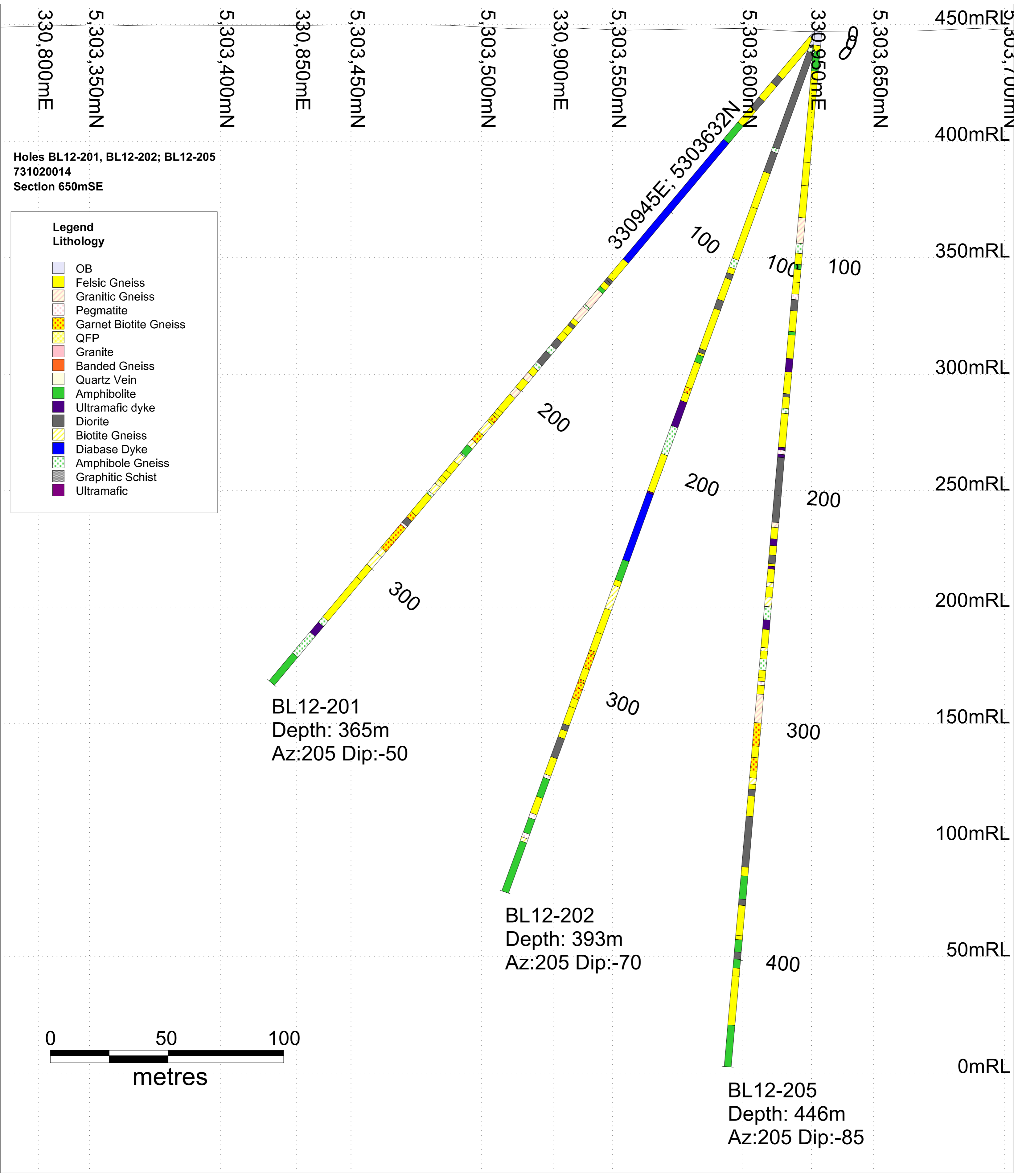


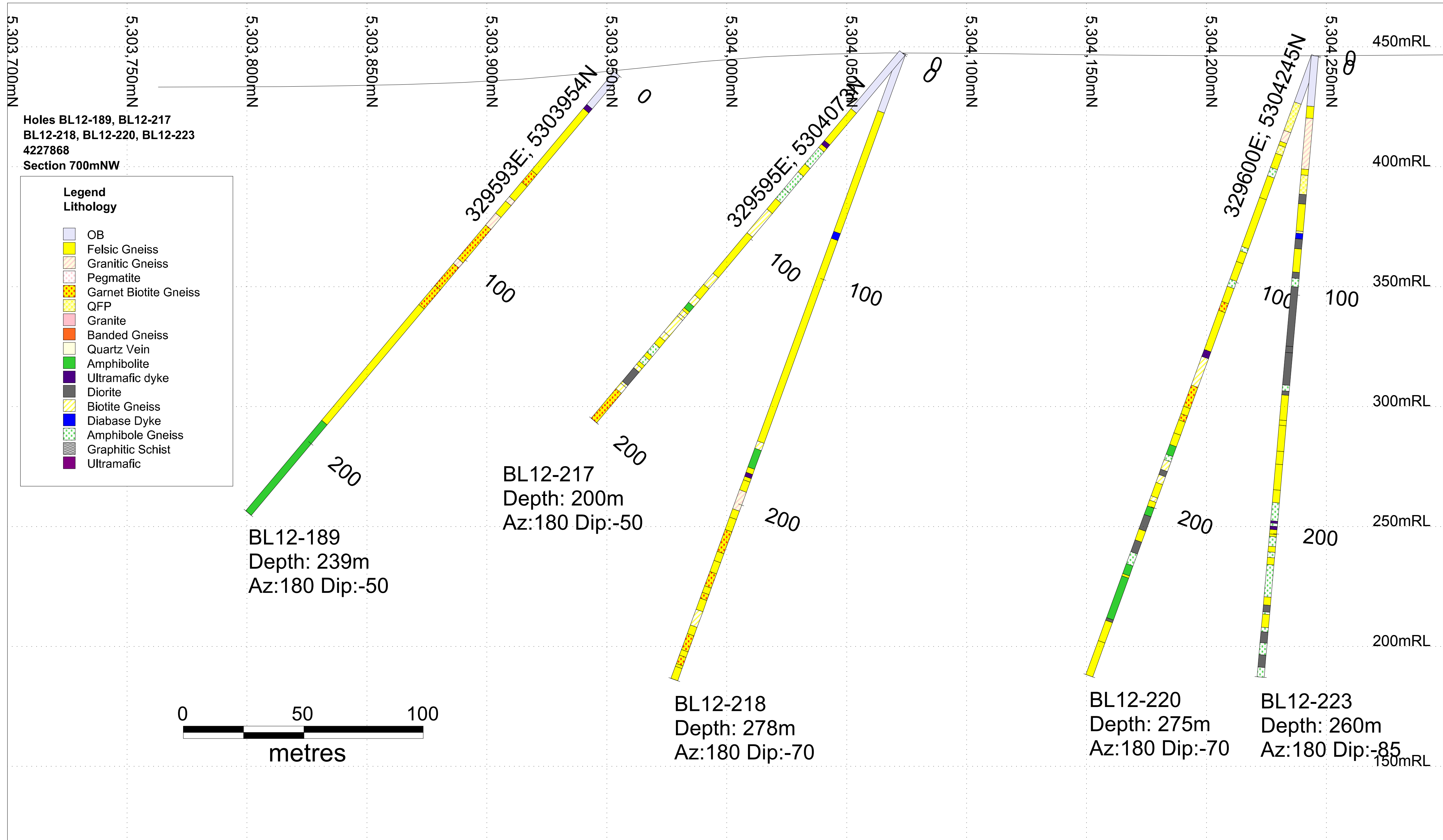








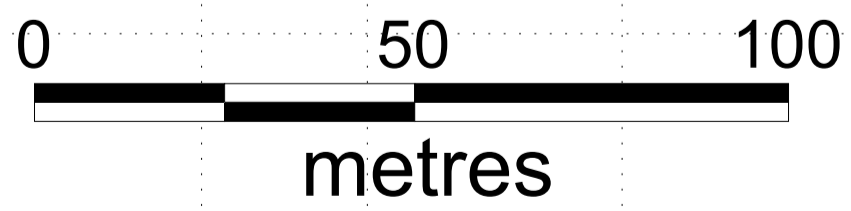




Holes BL12-196, BL12-198
731020014
Section 700mSE

**Legend
Lithology**

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic



BL12-196
Depth: 492m
Az:205 Dip:-70

BL12-198
Depth: 443m
Az:205 Dip:-85

N142377N
331056E; 530377N

300

200

100

100

300

200

400

400

5,303,500mN

330,950mE

5,303,550mN

5,303,600mN

331,000mE

5,303,650mN

5,303,700mN

331,050mE

5,303,750mN

5,303,800mN

331,100mE

5,303,850mN

50mRL

400mRL

350mRL

300mRL

250mRL

200mRL

150mRL

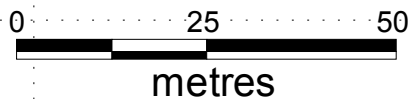
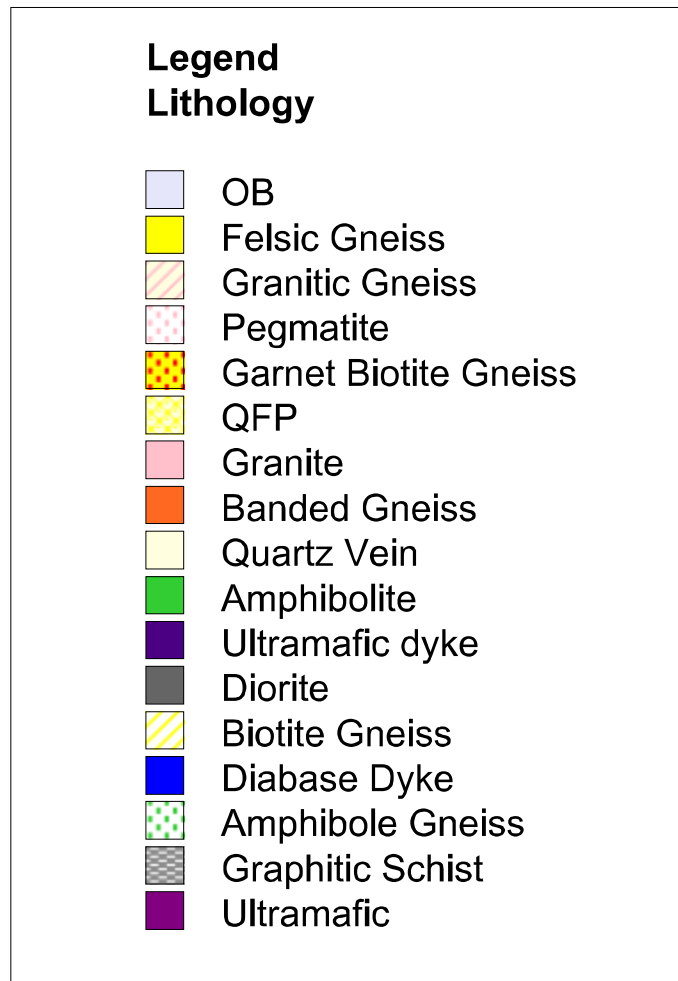
100mRL

50mRL

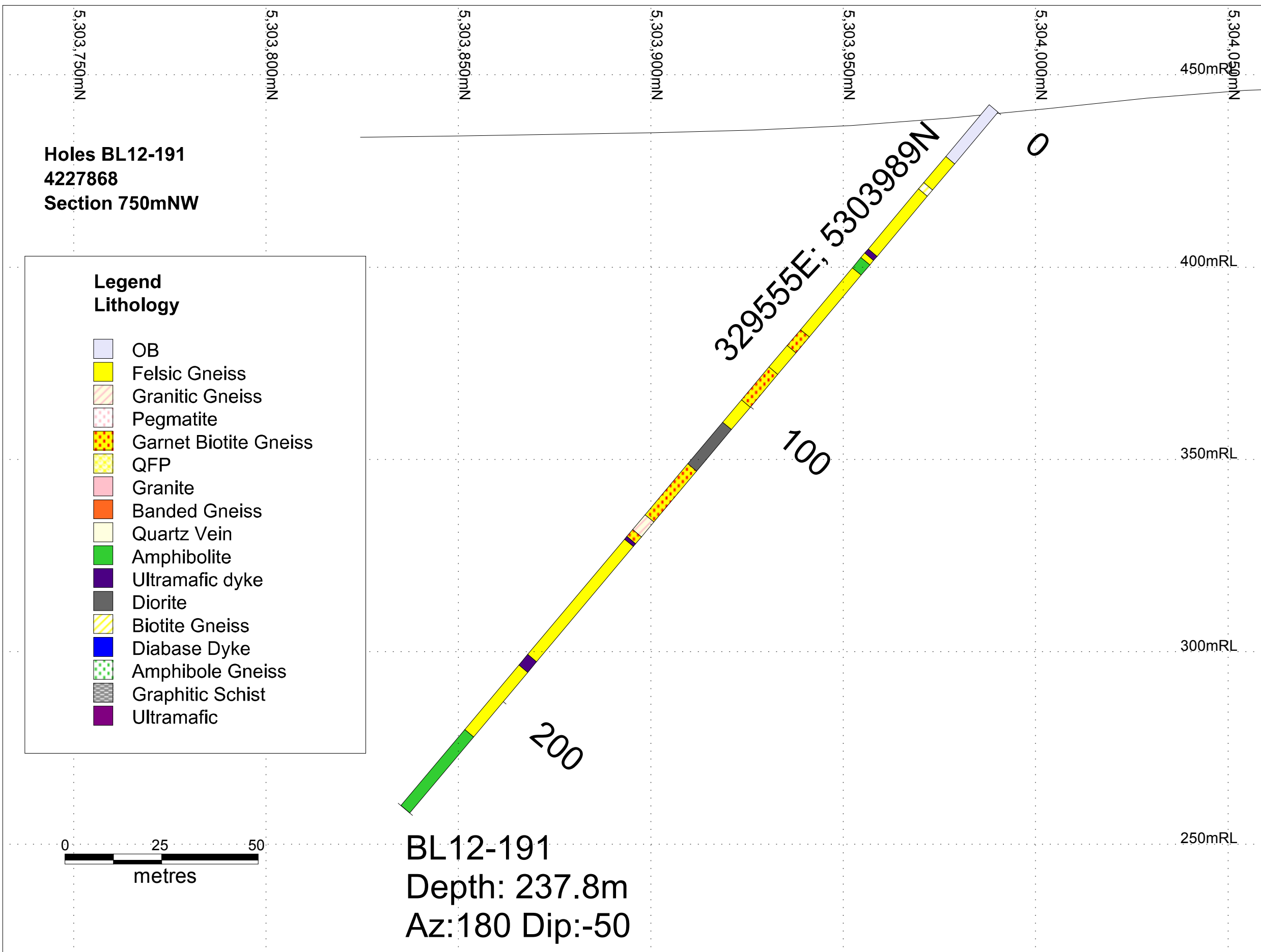
0mRL

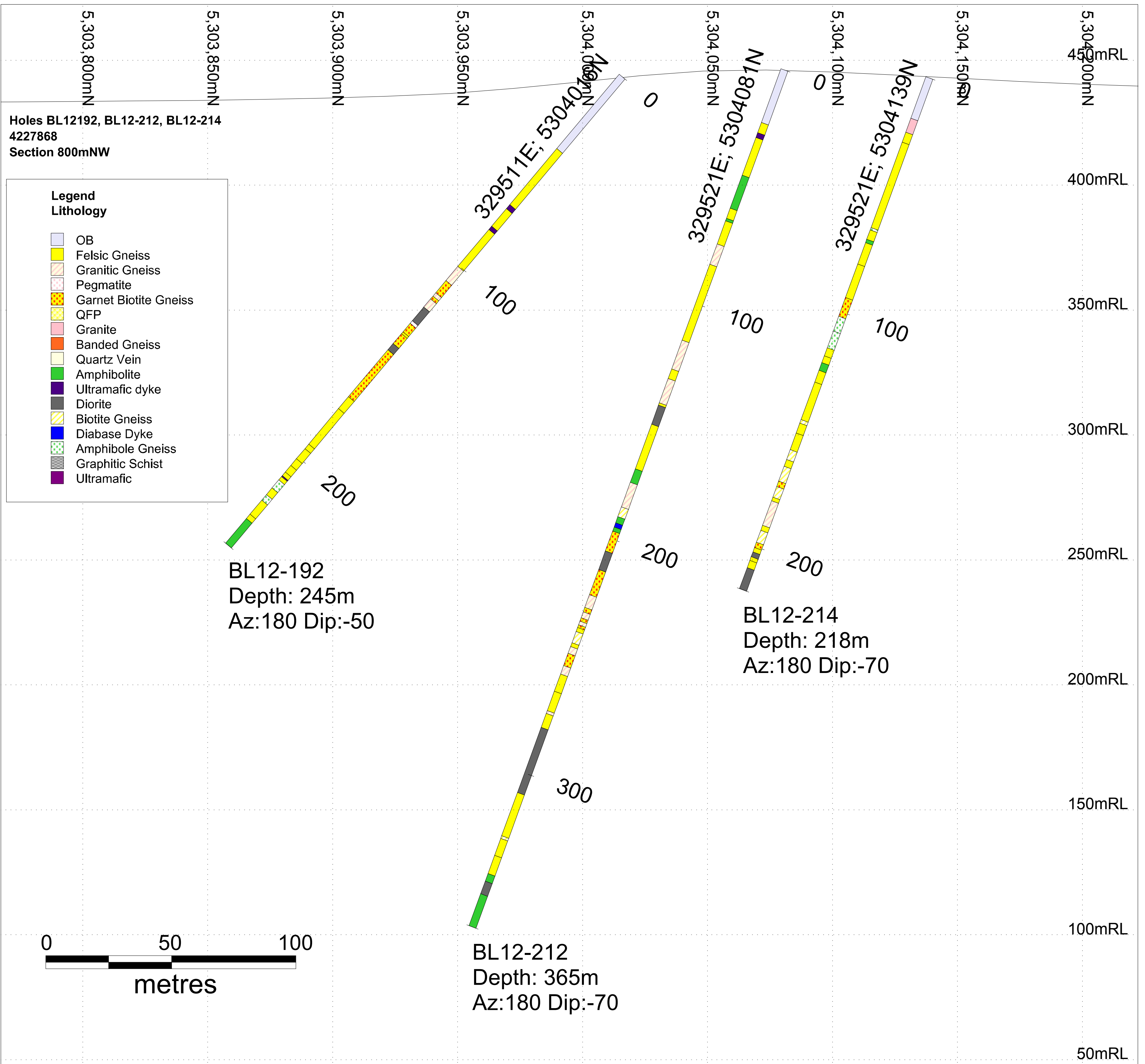
-50mRL

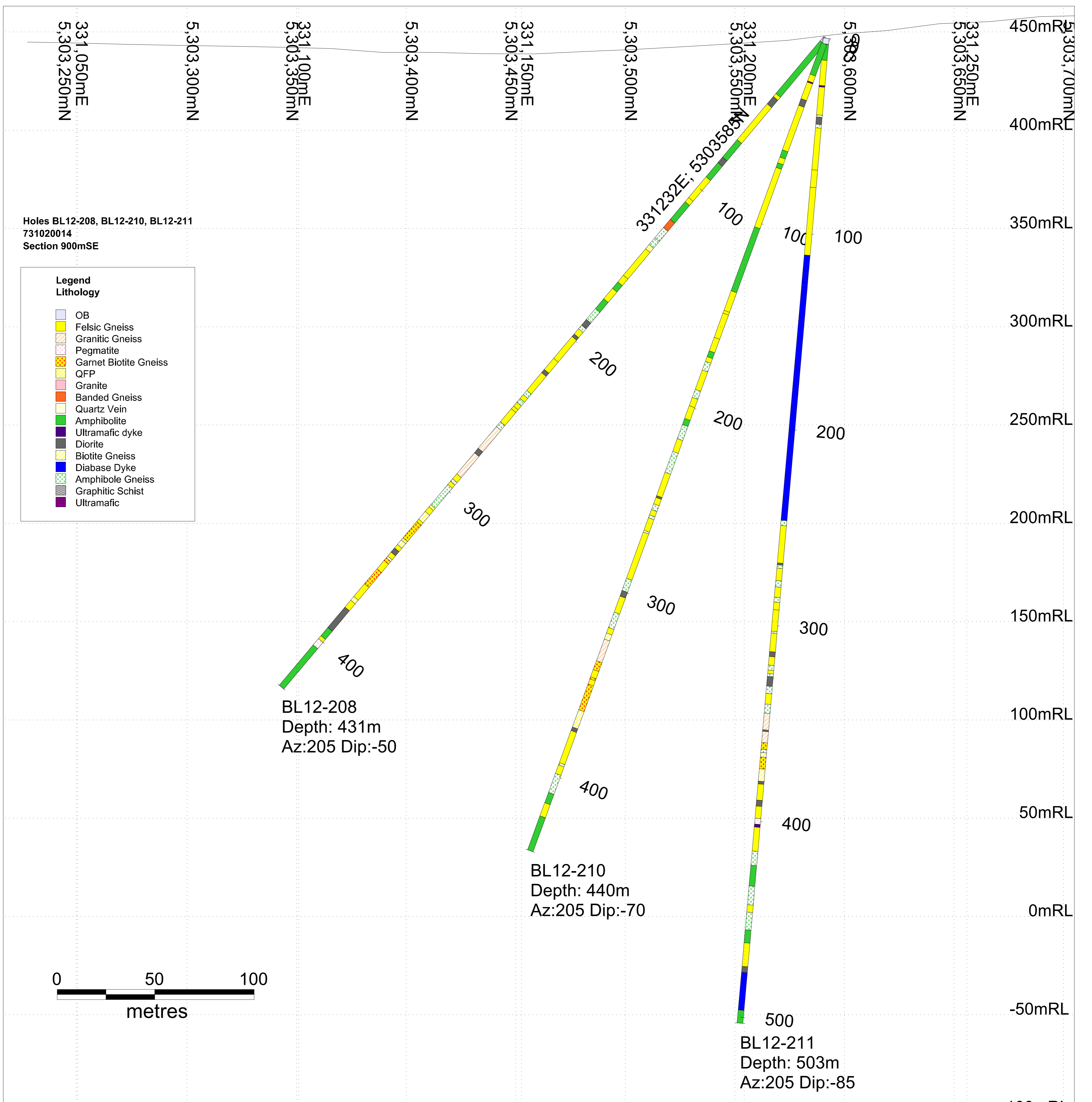
Holes BL12-191
4227868
Section 750mNW

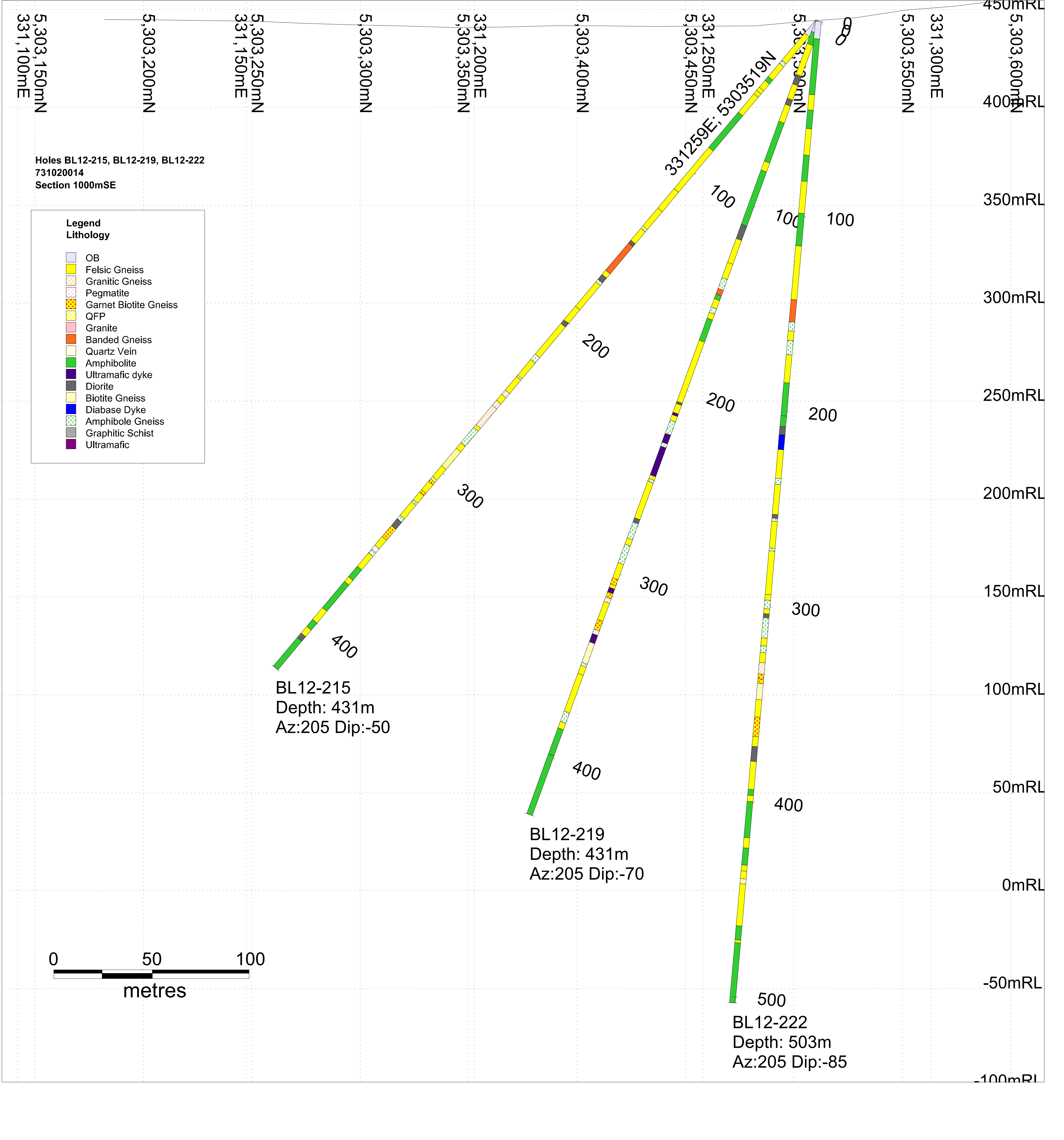


BL12-191
Depth: 237.8m
Az: 180 Dip: -50




















327,450mE
 327,500mE
 5,305,700mN
 327,550mE
 327,600mE
 5,305,750mN
 327,650mE
 327,700mE
 5,305,800mN
 327,750mE
 327,800mE
 5,305,850mN
 327,850mE

Holes BN12-019, BN12-020
 Looking 333 degrees
 Claim 731020007

Legend
Lithology

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic

327775E; 5305839N

BN12-19
 Depth: 5m
 Az:245 Dip:-45

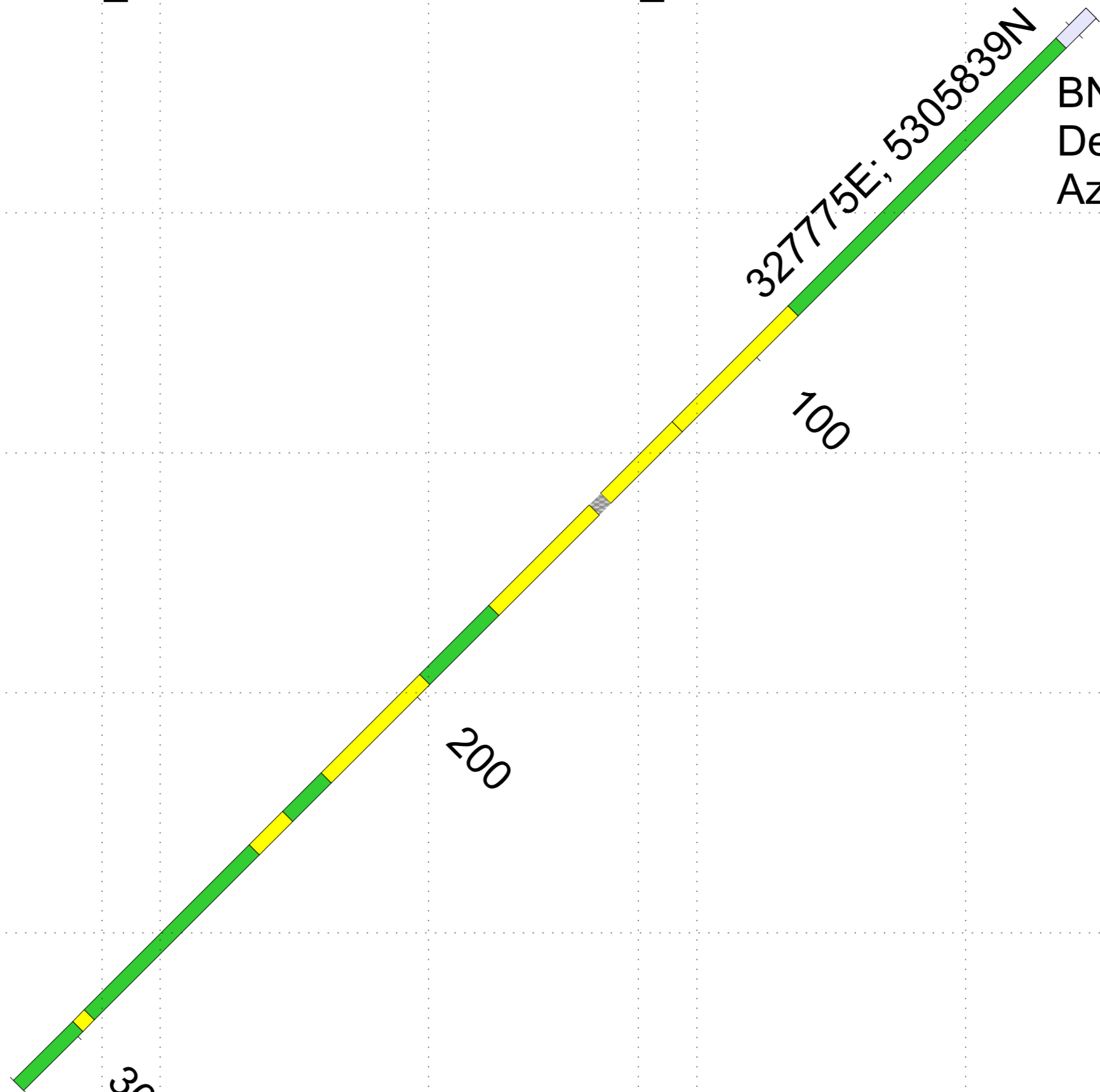
450mRL
 400mRL
 350mRL
 300mRL
 250mRL
 200mRL

100

200

300

BN12-20
 Depth: 316m
 Az:245 Dip:-45

















327,800mE
5,306,250mN

327,850mE
5,306,200mN

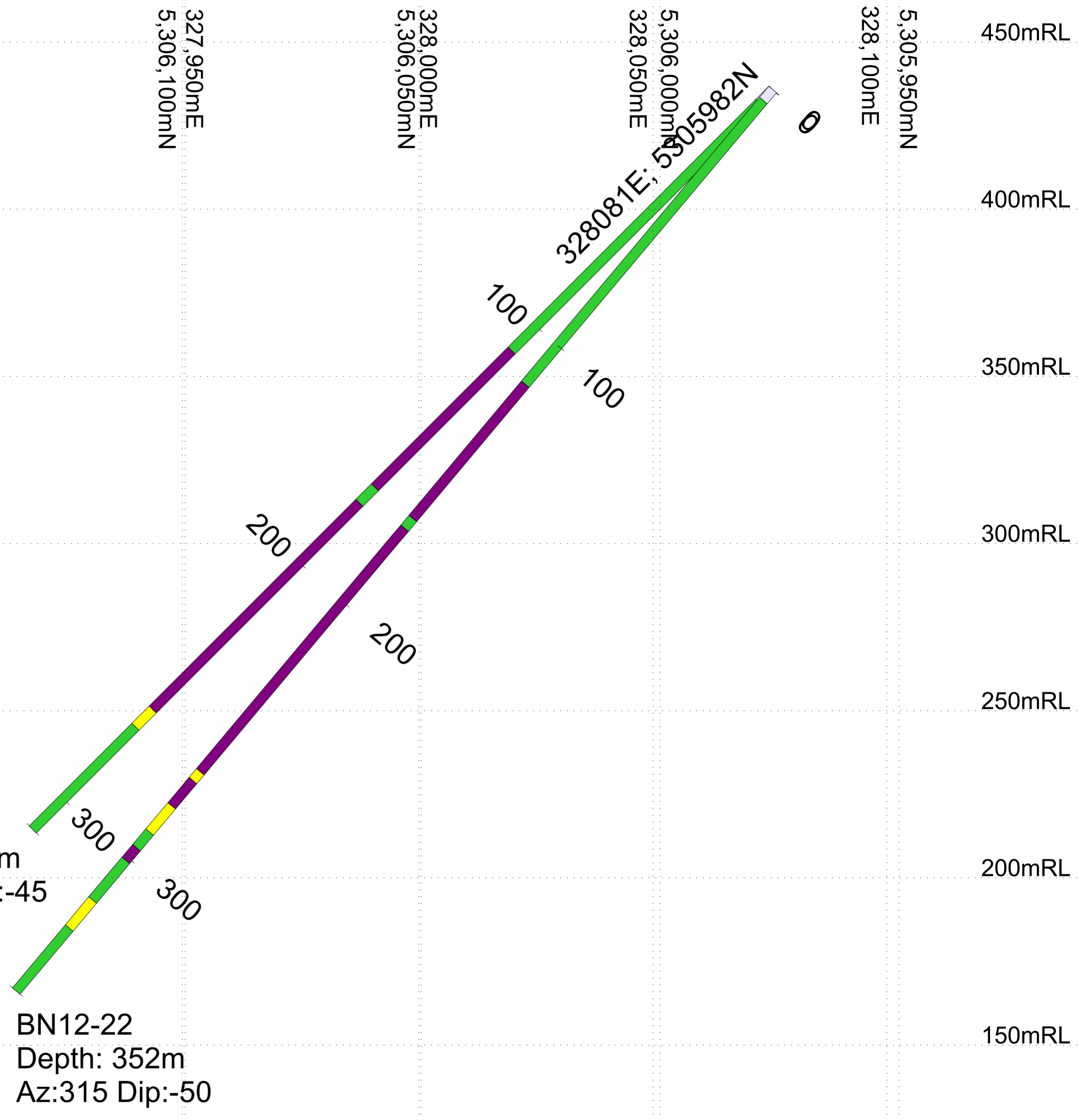
Holes BN12-021, BN12-022
Looking 044 degrees
Claim: 731020007

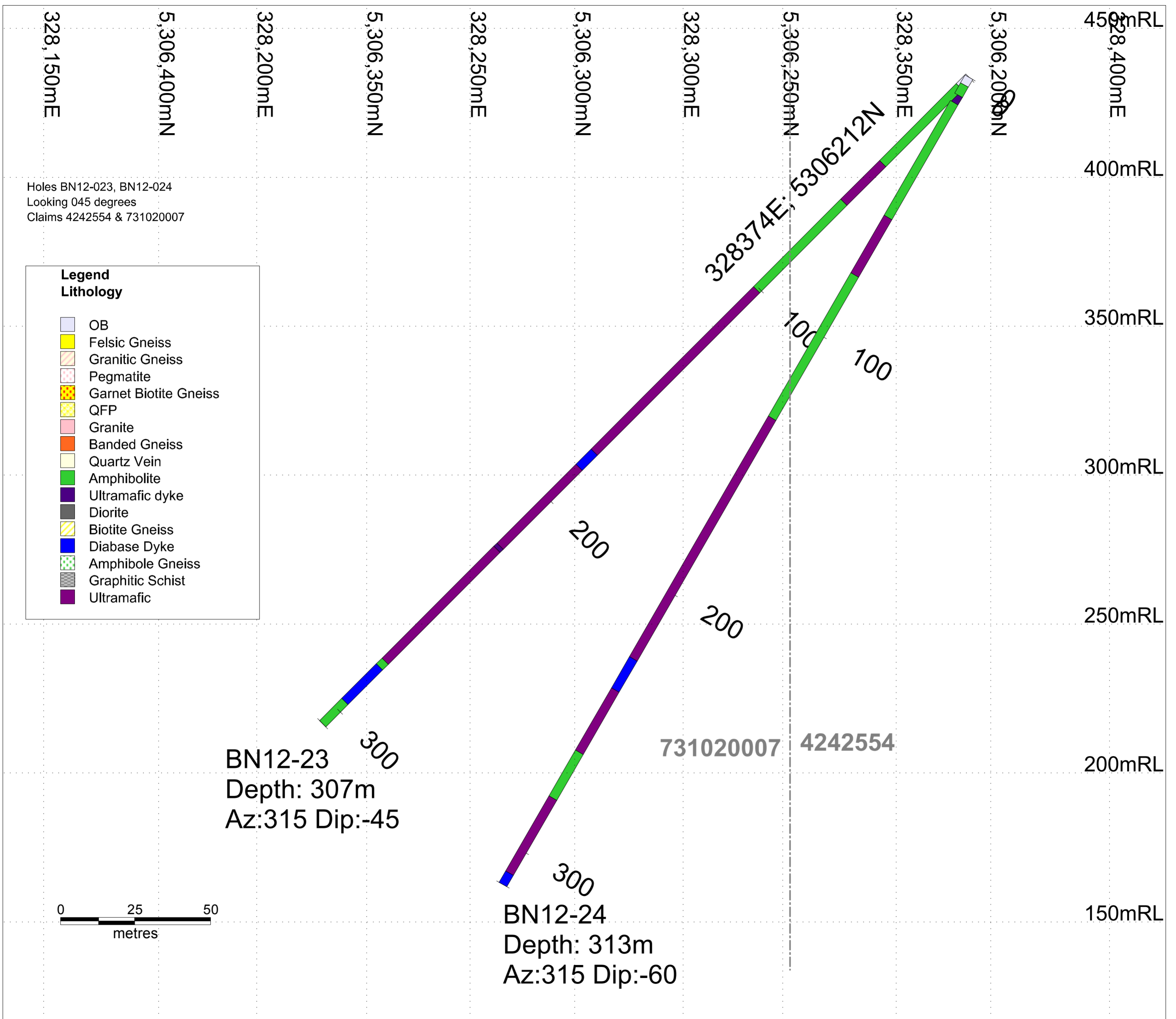
Legend
Lithology

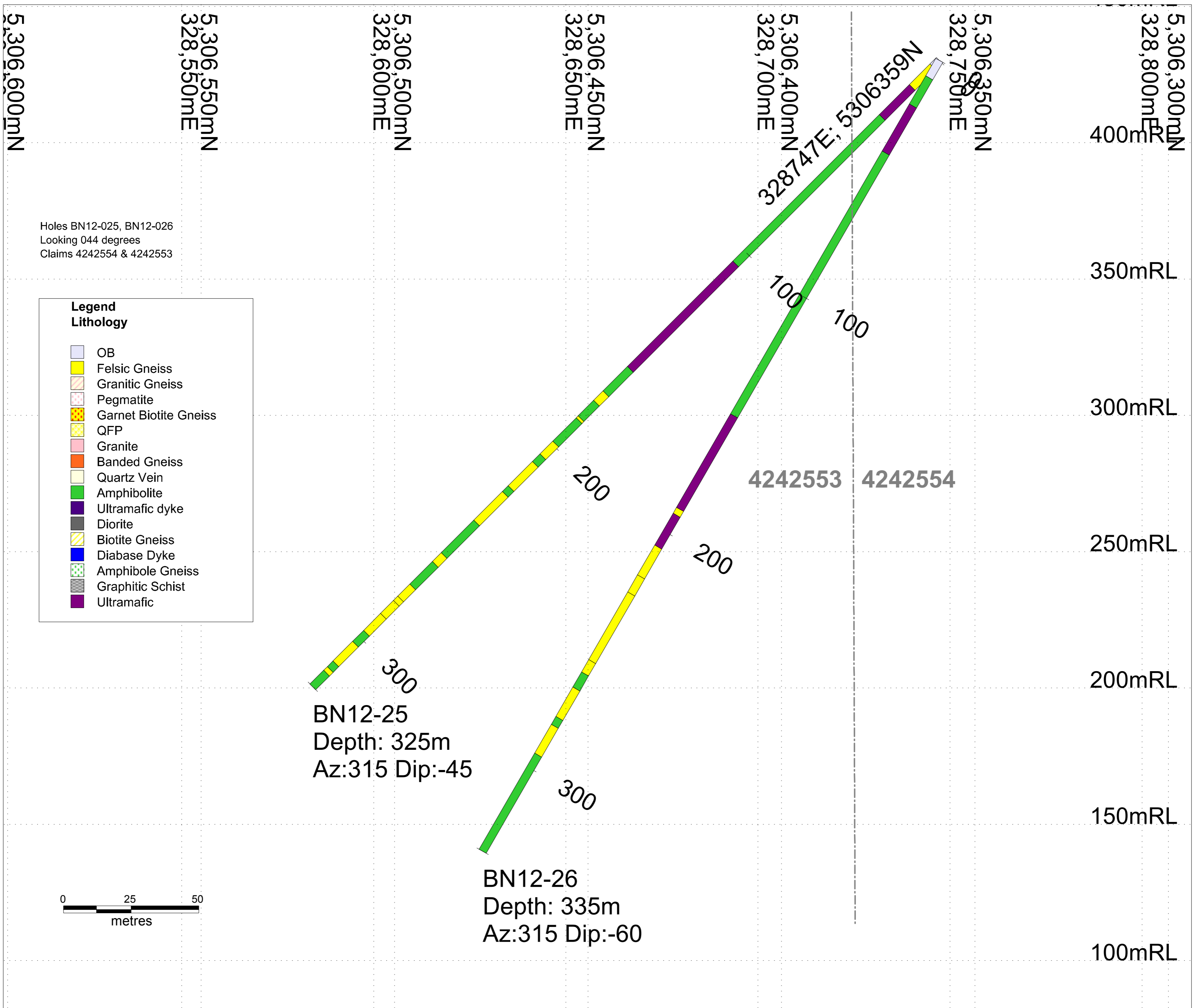
-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic

BN12-21
Depth: 313m
Az:315 Dip:-45

BN12-22
Depth: 352m
Az:315 Dip:-50



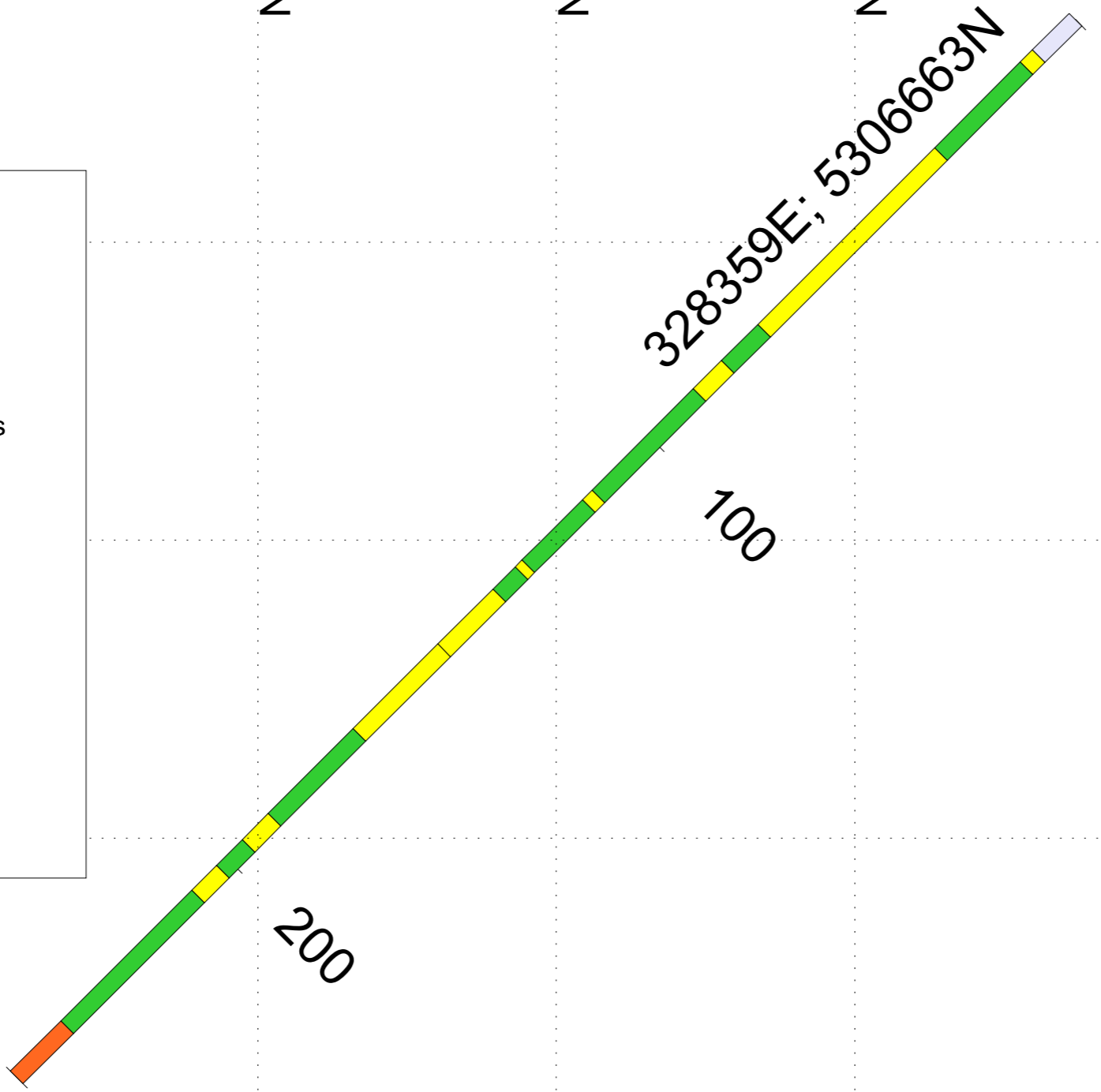




Holes BN12-027
 Looking 089 degrees
 Claim 4242553

Legend
Lithology

- OB
- Felsic Gneiss
- Granitic Gneiss
- Pegmatite
- Garnet Biotite Gneiss
- QFP
- Granite
- Banded Gneiss
- Quartz Vein
- Amphibolite
- Ultramafic dyke
- Diorite
- Biotite Gneiss
- Diabase Dyke
- Amphibole Gneiss
- Graphitic Schist
- Ultramafic



328359E; 5306663N

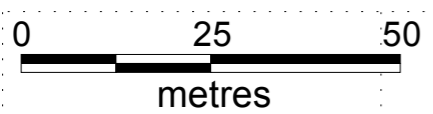
200

100

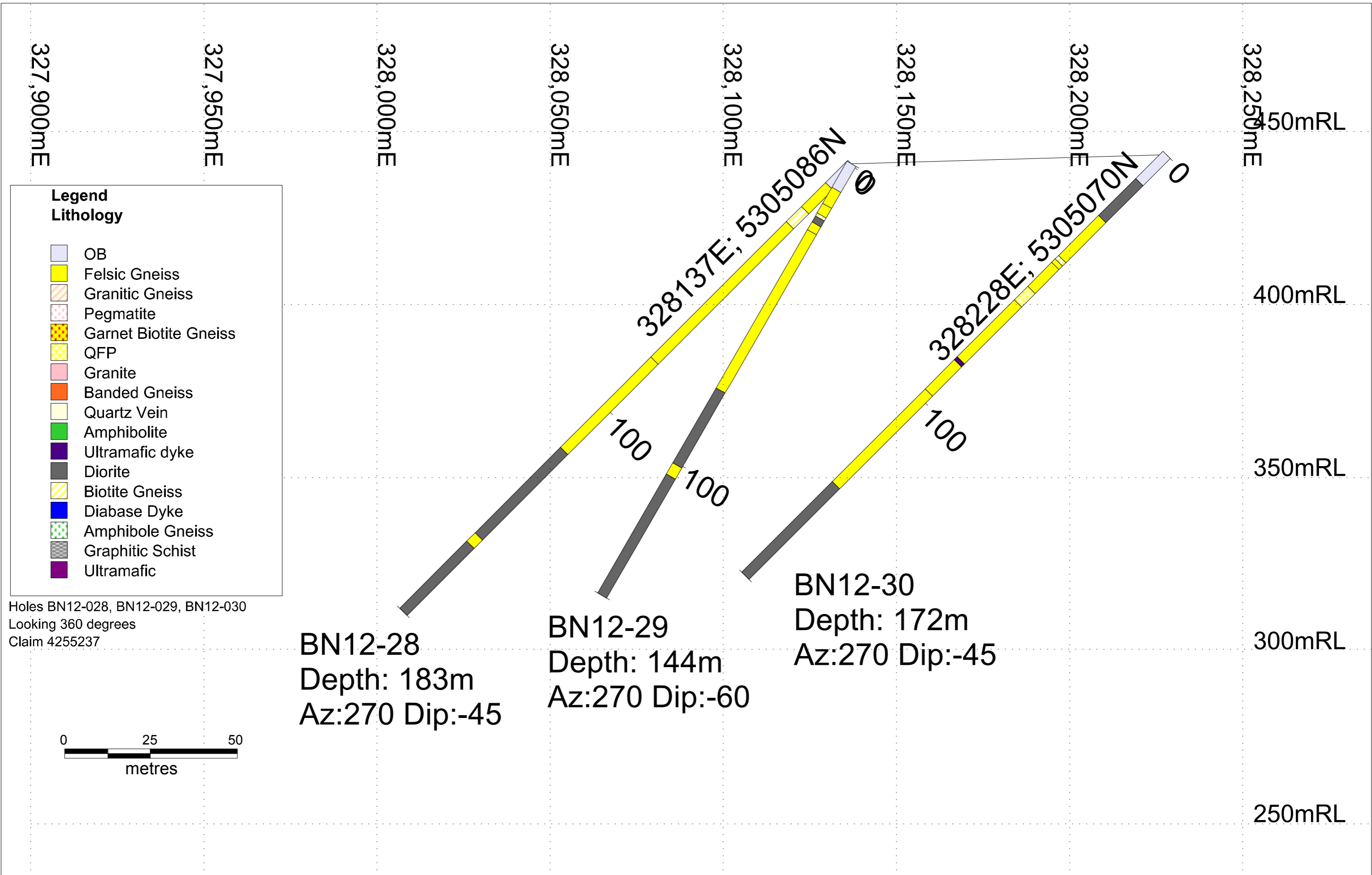
0

5,306,900mN
 5,306,850mN
 5,306,800mN
 5,306,750mN
 5,306,700mN
 5,306,650mN
 5,306,600mN

450mRL
 400mRL
 350mRL
 300mRL
 250mRL




















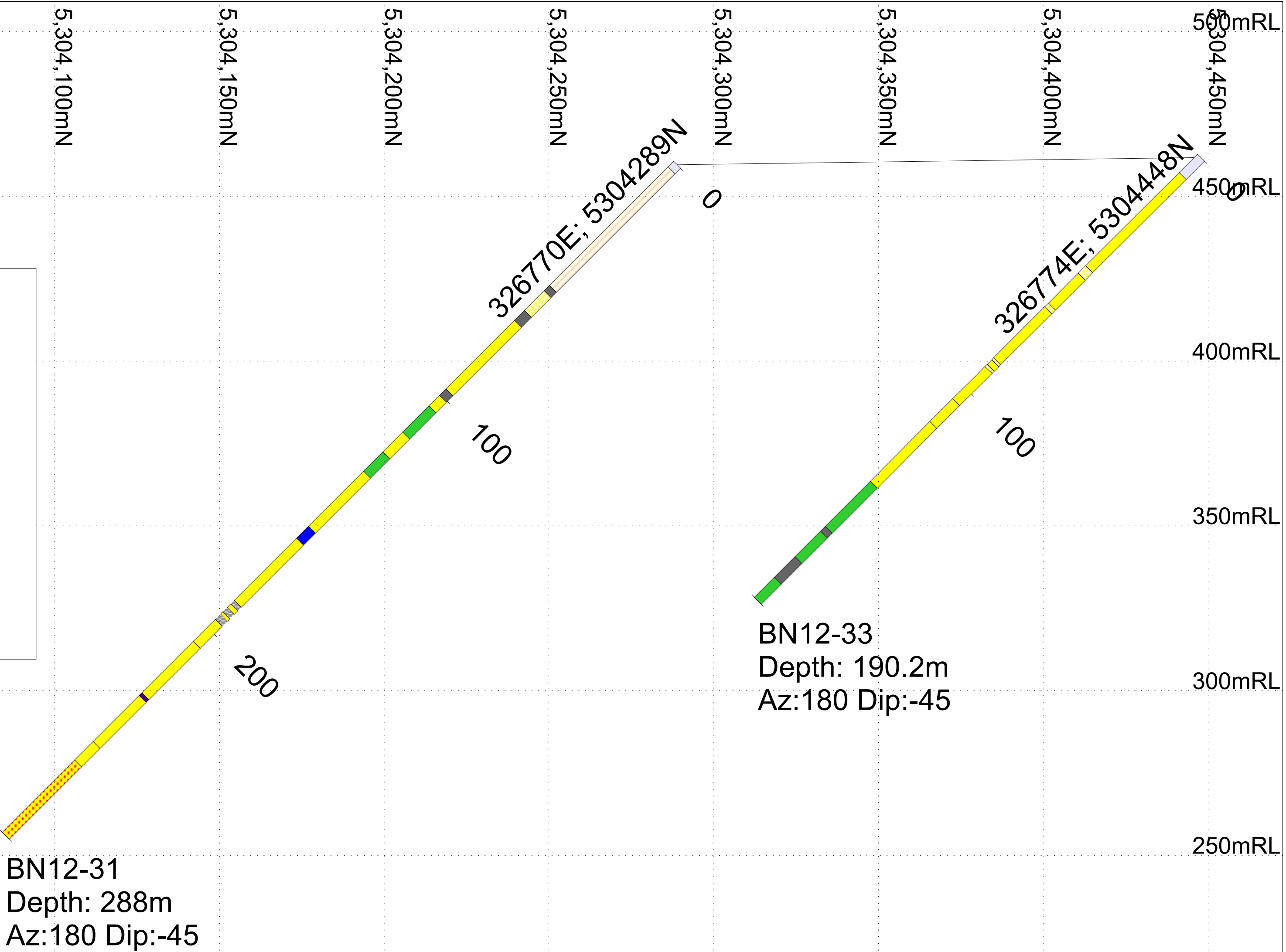
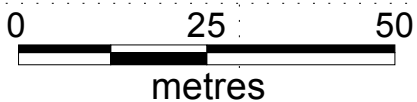
BN12-27
 Depth: 250.9m
 Az:360 Dip:-45

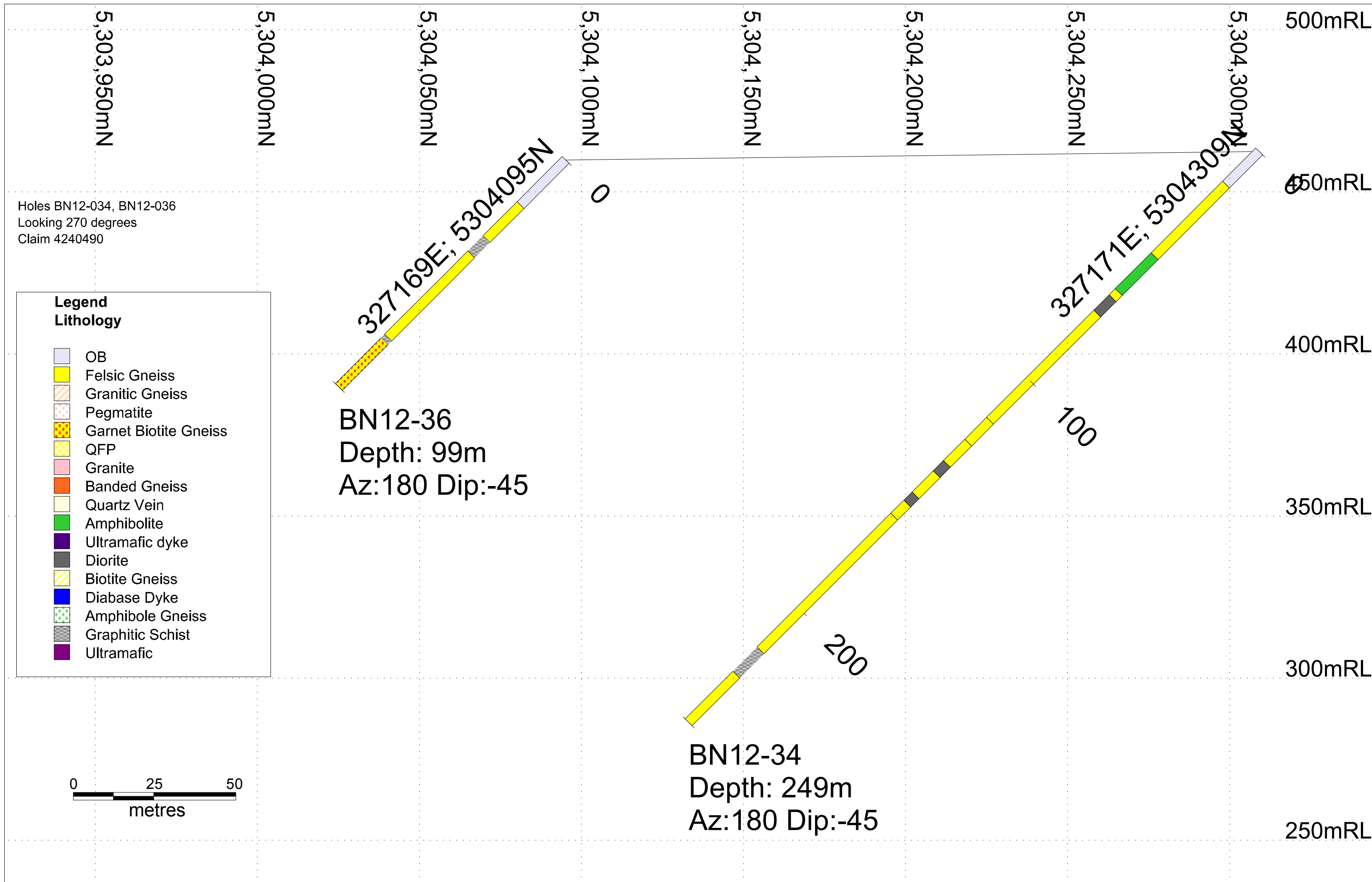


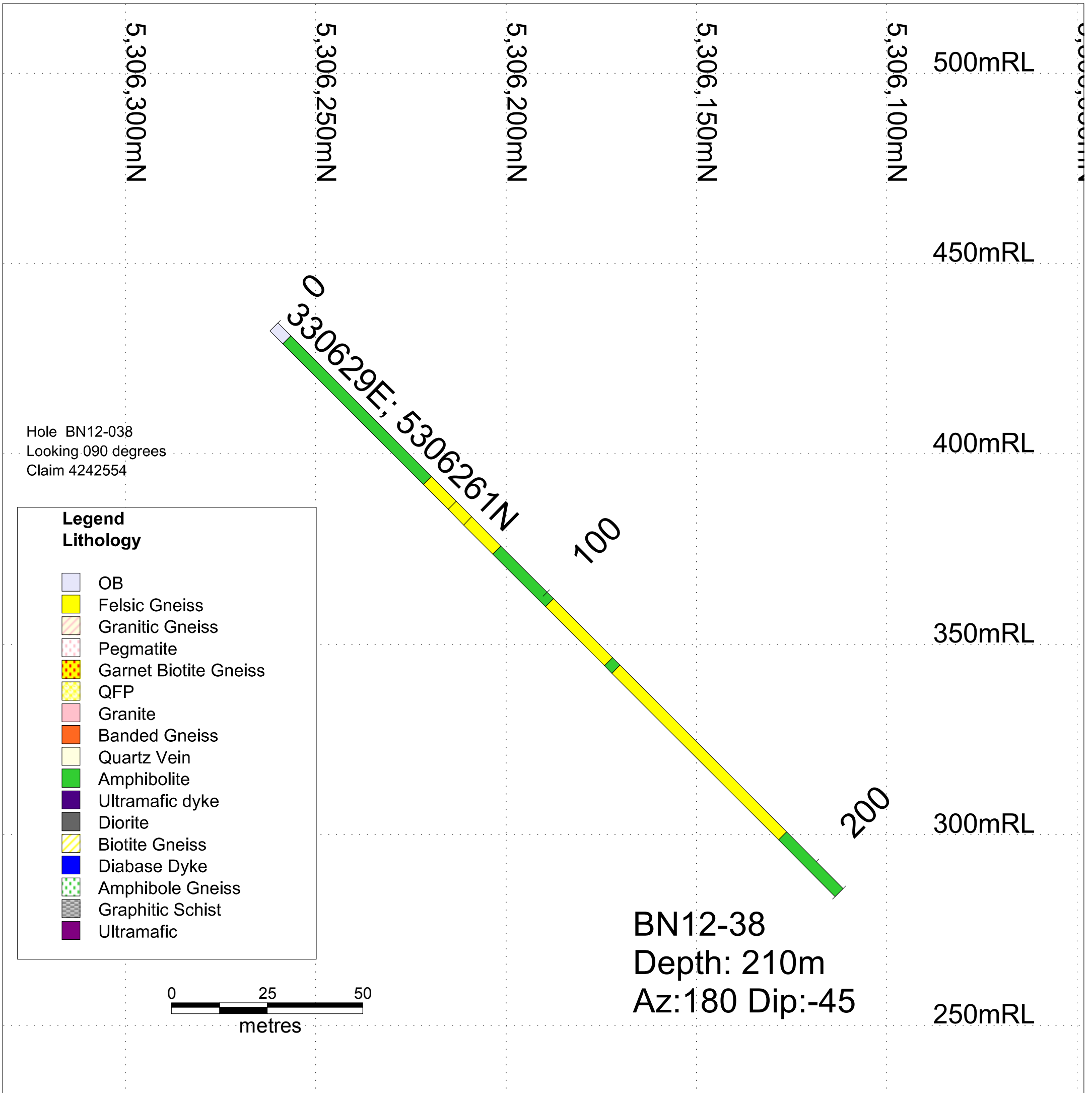
Holes BN12-031, BN12-033
 Looking 270 degrees
 Claim 4255238

Legend
Lithology

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic







5,306,450mN

5,306,400mN

5,306,350mN

5,306,300mN

5,306,250mN

5,306,200mN

5,306,150mN

450mRL

















400mRL

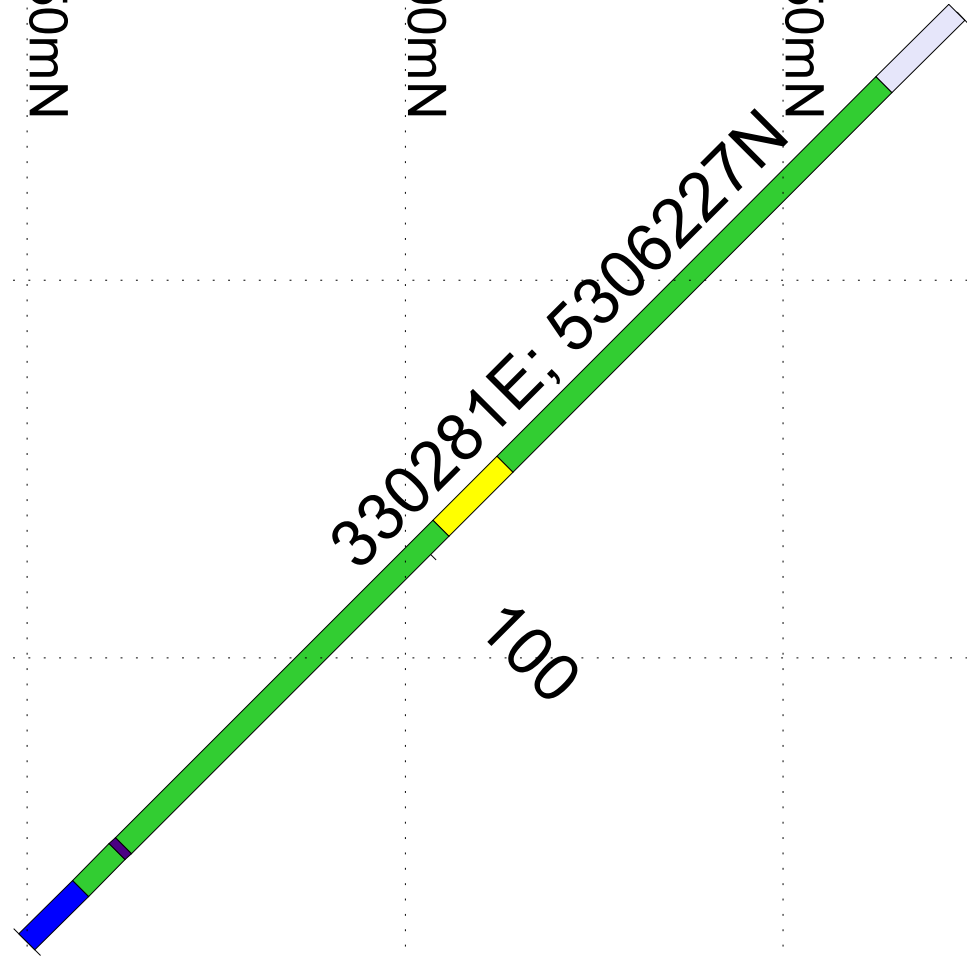
350mRL

300mRL

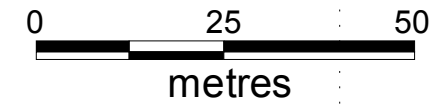
Holes BN12-039
Looking 090 degrees
Claim 4242554

Legend
Lithology

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  QFP
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic dyke
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss
-  Graphitic Schist
-  Ultramafic



BN12-39
Depth: 174m
Az:360 Dip:-45



APPENDIX IV

Meterage & Costs by Hole & Claim

Appendix IV Meterage costs by hole and claim

	HoleID	ClaimNumber	per m cost Depth (m)	\$108.00 Rounded Cost	4227868	731020014	731020016	731020012	731020007	4240490	4255238	4242553	4255237	4242554
1	BL12-179	4227868	197	\$21,276.00	197									
1	BL12-181	4227868	161	\$17,388.00	161									
1	BL12-184	4227868	145	\$15,660.00	145									
1	BL12-185	4227868	134	\$14,472.00	134									
1	BL12-187	4227868	170	\$18,360.00	170									
1	BL12-189	4227868	239	\$25,812.00	239									
1	BL12-191	4227868	237.8	\$25,682.00	237.8									
1	BL12-192	4227868	245	\$26,460.00	245									
1	BL12-194	4227868	386	\$41,688.00	386									
1	BL12-197	4227868	443	\$47,844.00	443									
1	BL12-200	4227868	506	\$54,648.00	506									
1	BL12-203	4227868	368	\$39,744.00	368									
1	BL12-206	4227868	425	\$45,900.00	425									
1	BL12-209	4227868	500	\$54,000.00	500									
1	BL12-212	4227868	365	\$39,420.00	365									
1	BL12-214	4227868	218	\$23,544.00	218									
1	BL12-217	4227868	200	\$21,600.00	200									
1	BL12-218	4227868	278	\$30,024.00	278									
1	BL12-220	4227868	275	\$29,700.00	275									
1	BL12-223	4227868	260	\$28,080.00	260									
1	BL12-224	4227868	176	\$19,008.00	176									
1	BL12-225	4227868	212	\$22,896.00	212									
1	BL12-183	COCH LOT2 CON2 S; PIN 731020014	438.4	\$47,347.00		438.4								
1	BL12-186	COCH LOT2 CON2 S; PIN 731020014	440	\$47,520.00		440								
1	BL12-190	COCH LOT2 CON2 S; PIN 731020014	444	\$47,952.00		444								
1	BL12-193	COCH LOT2 CON2 S; PIN 731020014	433	\$46,764.00		433								
1	BL12-196	COCH LOT2 CON2 S; PIN 731020014	492	\$53,136.00		492								
1	BL12-198	COCH LOT2 CON2 S; PIN 731020014	443	\$47,844.00		443								
1	BL12-201	COCH LOT2 CON2 S; PIN 731020014	365	\$39,420.00		365								
1	BL12-202	COCH LOT2 CON2 S; PIN 731020014	393	\$42,444.00		393								
1	BL12-205	COCH LOT2 CON2 S; PIN 731020014	446	\$48,168.00		446								
1	BL12-208	COCH LOT2 CON2 S; PIN 731020014	431	\$46,548.00		431								
1	BL12-210	COCH LOT2 CON2 S; PIN 731020014	440	\$47,520.00		440								
1	BL12-211	COCH LOT2 CON2 S; PIN 731020014	503	\$54,324.00		503								
1	BL12-215	COCH LOT2 CON2 S; PIN 731020014	431	\$46,548.00		431								
1	BL12-219	COCH LOT2 CON2 S; PIN 731020014	431	\$46,548.00		431								
1	BL12-222	COCH LOT2 CON2 S; PIN 731020014	503	\$54,324.00		503								
1	BL12-180	COCH LOT2 CON2 N & S; PIN 731020016 & 731020014	470	\$50,760.00		293	177							
1	BL12-182	COCH LOT3 CON2 N; PIN 731020012	545	\$58,860.00				545						
1	BL12-188	COCH LOT3 CON2 N; PIN 731020012	523.4	\$56,527.00				523.4						
1	BL12-195	COCH LOT3 CON2 N; PIN 731020012	518	\$55,944.00				518						
1	BL12-199	COCH LOT3 CON2 N; PIN 731020012	524	\$56,592.00				524						
1	BL12-204	COCH LOT3 CON2 N; PIN 731020012	681	\$73,548.00				681						
1	BL12-207	COCH LOT3 CON2 N; PIN 731020012	597	\$64,476.00				597						
1	BL12-213	COCH LOT3 CON2 N; PIN 731020012	711	\$76,788.00				711						
1	BL12-221	COCH LOT3 CON2 N; PIN 731020012	609	\$65,772.00				609						
1	BN12-19	COCH LOT6 CON3 N; PIN 731020007	5	\$540.00					5					
1	BN12-20	COCH LOT6 CON3 N; PIN 731020007	316	\$34,128.00					316					
1	BN12-21	COCH LOT6 CON3 N; PIN 731020007	313	\$33,804.00					313					
1	BN12-22	COCH LOT6 CON3 N; PIN 731020007	352	\$38,016.00					352					
1	BN12-23	4242554 & COCH LOT6 CON3 N; PIN 731020007	307	\$33,156.00					221					86
1	BN12-24	4242554 & COCH LOT6 CON3 N; PIN 731020007	313	\$33,804.00					189					124

