

**ASSESSMENT REPORT ON
DIAMOND DRILLING
BORDEN LAKE PROJECT**

**COCHRANE TOWNSHIP
PORCUPINE DISTRICT, ONTARIO**

Submitted to:
PROVINCIAL RECORDING OFFICE
Ministry of Northern Development and Mines and Forestry
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INTRODUCTION

Between February 24th 2011 and January 16th 2012, Probe Mines Limited completed 134 drill holes on the Borden Lake Project as part of its ongoing drilling program. This report describes the results of these 134 diamond drill holes on the Borden Lake property.

A surface gold showing is present on the Borden Lake Project and has 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 of 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, a drill program was completed to test the extent of the surface showing. Results indicated that there was excellent potential to host a low-grade, bulk tonnage gold deposit on the property. Additional drilling on the property has continued to illustrate this potential and Probe released an updated NI 43-101 compliant Resource Estimate in May 2012 on the Borden Lake Deposit. Previous assessment for the first stage drilling was filed under work report W1060.02610 in November 2010.

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 Lake 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, 4242555, 4249706, 4249707, 4255237, 4252997 located in Cochrane Township.

Probe Mines has entered into an option agreement with M. Tremblay and J. Robert on claims 4227868, 42404910, 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 MNDMF

Work reported in this report was also completed on three 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 option claims have been submitted with this assessment report.

The amount of credits applied from the work completed as detailed in this report is \$3,826,838, 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	Work Period		Township	G-Plan	NTS	Units	Assess Required by due date	Total Reserve
			From	To						
4240490	POR	6-May-17	February-24-11	January-16-12	COCHRANE	G-1085	41O14	6	\$2,400.00	
4255237	POR	27-May-17	February-24-11	January-16-12	COCHRANE	G-1085	41O14	6	\$2,400.00	
4255238	POR	27-May-17	February-24-11	January-16-12	COCHRANE	G-1085	41O14	4	\$1,600.00	
4242553	POR	13-Sep-12	February-24-11	January-16-12	COCHRANE	G-1085	41O14	16	\$2,113.00	
4242555	POR	13-Sep-12	February-24-11	January-16-12	COCHRANE	G-1085	41O14	16	\$1,988.00	
4249706	POR	13-Sep-12	February-24-11	January-16-12	COCHRANE	G-1085	41O14	4	\$308.00	
4249707	POR	13-Sep-12	February-24-11	January-16-12	COCHRANE	G-1085	41O14	4	\$433.00	
4227868	POR	10-Nov-15	February-24-11	January-16-12	COCHRANE	G-1085	41O14	15	\$1,393.00	\$38,628
4252997	POR	26-Apr-13	February-24-11	January-16-12	COCHRANE	G-1085	41O14	15	\$3,504.00	

Patented Claims (private lands/dispositions)

Township/ Area	Patented Claim ID	Percent Option	Units	Hectares
COCHRANE	PIN 731020007; North Half of Lot 6, Concession 3	100% (mineral and surface)	4	64
COCHRANE	PIN 731020012; North Half of Lot 3, Concession 2	earn-in 100% (mineral rights)	4	64
COCHRANE	PIN 731020014; South Half of Lot 2, Concession 2	earn-in 50% (mineral rights)	4	64

GEOLOGY

The Borden Lake 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

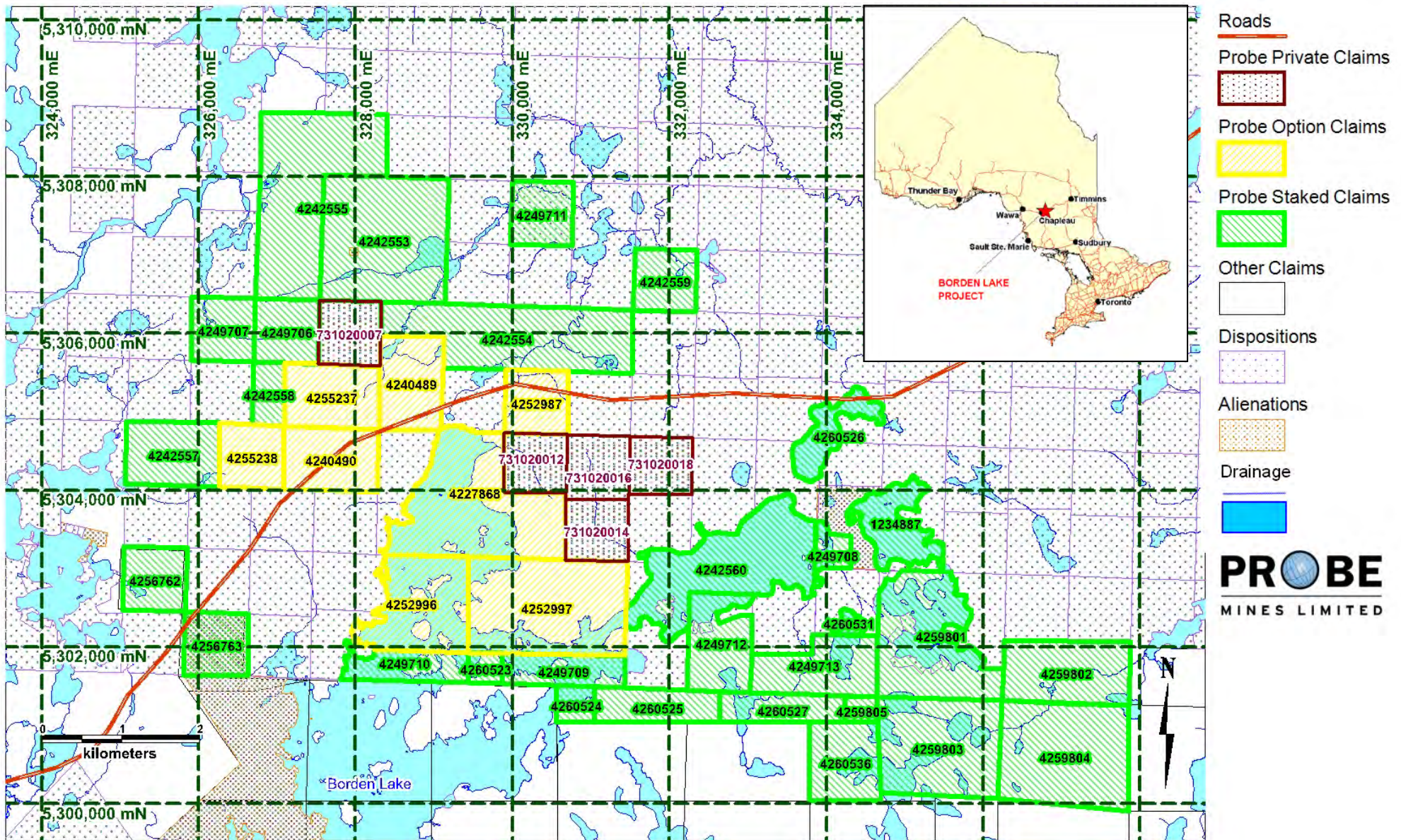


Figure 1- Location of the Borden Lake Project

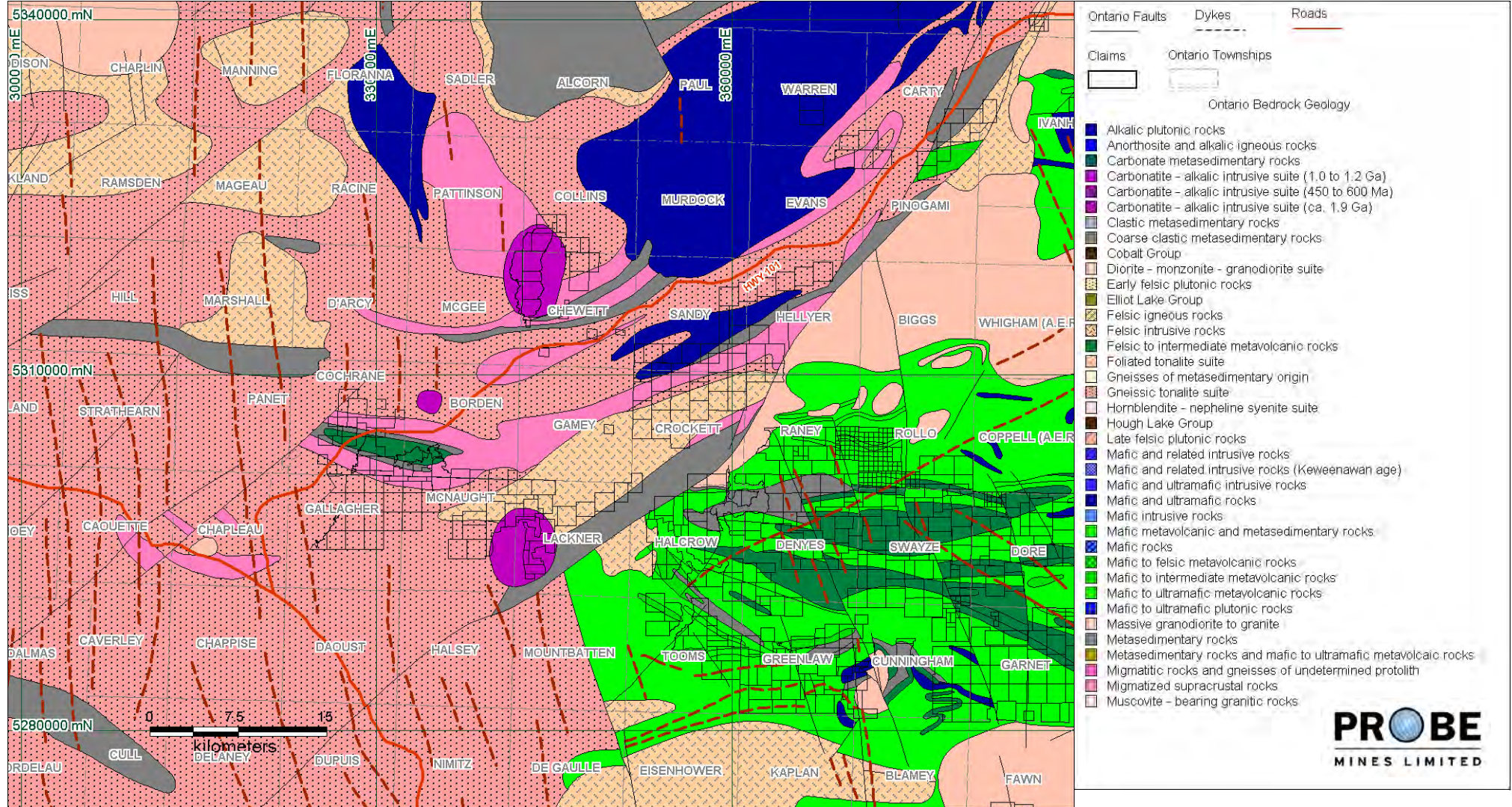


Figure 2 – General Geology of the Borden Lake Area

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 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.

DIAMOND DRILLING

Between February 24th 2011 and January 16th 2012, Probe Mines Limited completed 134 drill holes on the Borden Lake Project as part of its ongoing drilling initiative on the Borden lake project. Total meterage was 35,433.70m. Bradley Brothers of Noranda was the drilling contractor. The program was overseen by David Palmer, with onsite management and logging by Craig Yuill and Gabrielle Hosein.

The drill hole data for the 134 drill holes is summarized in Table 3. 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 and 1:3,000 respectively.

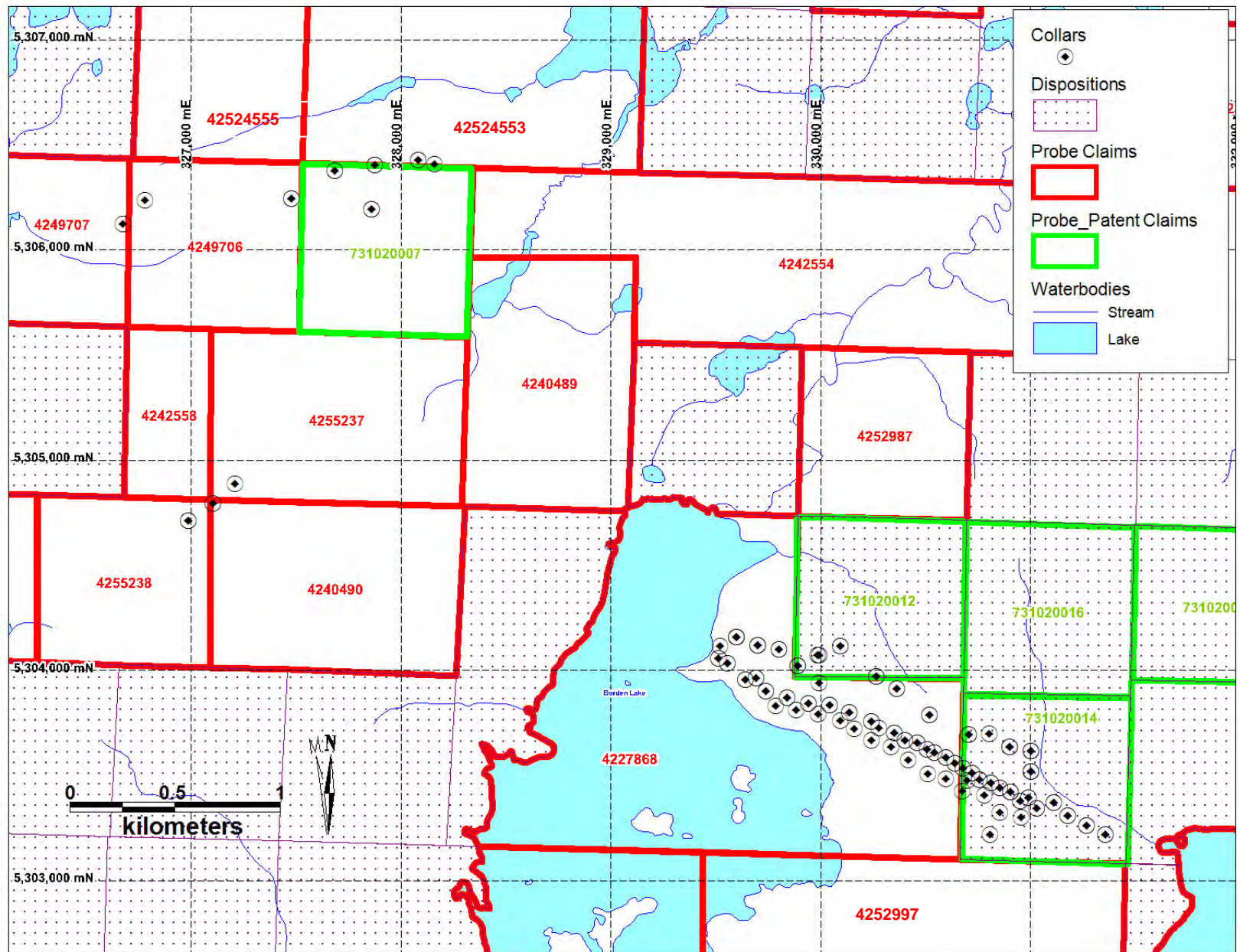


Figure 3 - Diamond Drill Hole Locations (see Appendix I for 1:5,000 map)

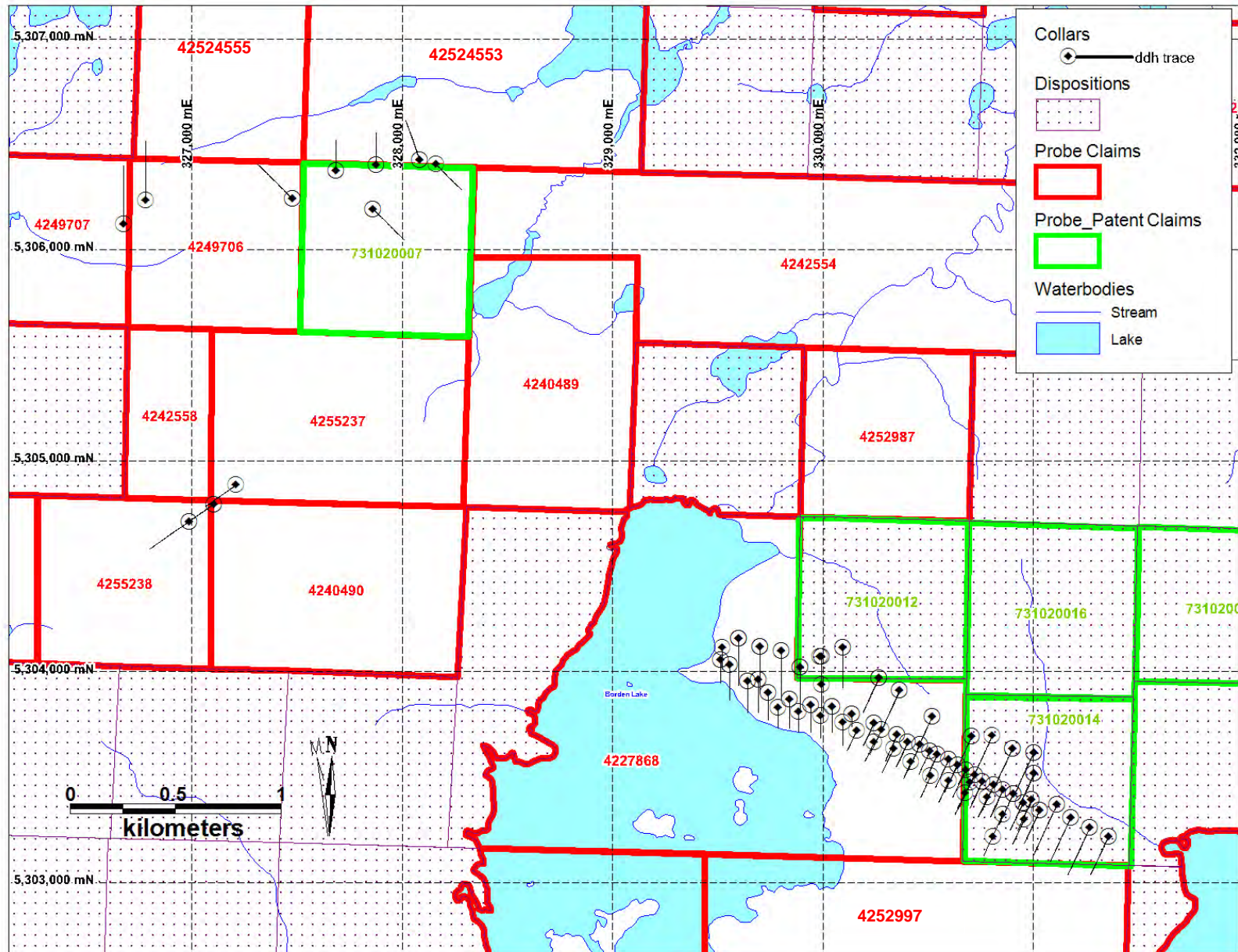


Figure 4 - Diamond Drill Hole Traces and Depths (see Appendix I for 1:3,000 map)

Table 3 – Diamond drill hole data (NAD 83, Zone 17)

HoleID	Date Started	Date Completed	Azimuth	Depth (m)	CollarDip	Easting	Northing
BL11-26	24/02/2011	27/02/2011	205	364	-70	330365	5303910
BL11-27	27/02/2011	01/03/2011	205	209	-50	330353	5303700
BL11-28	01/03/2011	04/03/2011	205	230	-70	330353	5303700
BL11-29	04/03/2011	06/03/2011	205	206	-50	330460	5303653
BL11-30	06/03/2011	08/03/2011	205	212	-70	330460	5303653
BL11-31	08/03/2011	11/03/2011	205	206	-50	330544	5303608
BL11-32	11/03/2011	14/03/2011	205	218	-70	330544	5303608
BL11-33	14/03/2011	16/03/2011	205	221.5	-50	330638	5303559
BL11-34	16/03/2011	18/03/2011	205	230	-70	330638	5303559
BL11-35	18/03/2011	20/03/2011	205	107	-50	330720	5303512
BL11-36	20/03/2011	22/03/2011	205	221	-70	330720	5303512
BL11-37	06/04/2011	09/04/2011	205	227	-50	330812	5303464
BL11-38	09/04/2011	12/04/2011	205	236	-70	330812	5303464
BL11-39	12/04/2011	15/04/2011	205	251	-50	330904	5303421
BL11-40	15/04/2011	15/04/2011	205	41.9	-70	330904	5303421
BL11-41	15/04/2011	18/04/2011	205	248.6	-75	330904	5303421
BL11-42	18/04/2011	21/04/2011	205	248	-50	330992	5303393
BL11-43	21/04/2011	23/04/2011	205	242.7	-70	330992	5303393
BL11-44	23/04/2011	26/04/2011	205	366.3	-70	330899	5303634
BL11-45	23/04/2011	27/04/2011	205	267.2	-50	331030	5303344
BL11-46	26/04/2011	29/04/2011	205	359	-55	330899	5303634
BL11-47	27/04/2011	30/04/2011	205	266	-70	331030	5303344
BL11-48	30/04/2011	02/05/2011	205	365	-70	331004	5303518
BL11-49	30/04/2011	02/05/2011	205	203	-50	330957	5303300
BL11-50	02/05/2011	18/05/2011	205	203	-50	330854	5303324
BL11-51	02/05/2011	19/05/2011	205	323	-55	331004	5303518
BL11-52	19/05/2011	20/05/2011	205	164	-50	330782	5303407
BL11-53	20/05/2011	22/05/2011	205	302	-55	330707	5303693
BL11-54	20/05/2011	22/05/2011	205	173	-50	330674	5303426
BL11-55	22/05/2011	24/05/2011	205	173	-50	330597	5303482
BL11-56	22/05/2011	24/05/2011	205	320	-70	330707	5303693
BL11-57	24/05/2011	25/05/2011	205	174.8	-50	330511	5303505
BL11-58	24/05/2011	26/05/2011	205	294	-55	330520	5303788
BL11-59	26/05/2011	27/05/2011	205	130.8	-50	330418	5303571
BL11-60	26/05/2011	29/05/2011	205	310.7	-70	330520	5303788
BL11-61	27/05/2011	29/05/2011	205	191	-50	330334	5303635
BL11-62	29/05/2011	30/05/2011	205	155	-50	330243	5303668

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HoleID	Date Started	Date Completed	Azimuth	Depth (m)	CollarDip	Easting	Northing
BL11-63	29/05/2011	31/05/2011	205	221.2	-50	330700	5303474
BL11-64	30/05/2011	31/05/2011	205	164	-50	330160	5303722
BL11-65	31/05/2011	01/06/2011	205	215	-50	330757	5303481
BL11-66	01/06/2011	02/06/2011	180	167	-50	330094	5303758
BL11-67	02/06/2011	04/06/2011	205	227.8	-70	330757	5303481
BL11-68	03/06/2011	04/06/2011	180	167	-50	329988	5303792
BL11-69	05/06/2011	06/06/2011	180	152	-50	329883	5303809
BL11-70	04/06/2011	06/06/2011	205	221	-50	330855	5303440
BL11-71	06/06/2011	07/06/2011	205	215	-70	330855	5303440
BL11-72	06/06/2011	07/06/2011	180	149.1	-50	329786	5303828
BL11-73	07/06/2011	10/06/2011	180	242	-50	329693	5303963
BL11-74	07/06/2011	09/06/2011	205	221	-50	330950	5303378
BL11-75	09/06/2011	12/06/2011	205	257	-70	330950	5303378
BL11-76	10/06/2011	12/06/2011	180	260	-70	329693	5303963
BL11-77	12/06/2011	14/06/2011	205	221	-50	330677	5303535
BL11-78	12/06/2011	30/06/2011	180	165.4	-50	329515	5304055
BL11-79	15/06/2011	01/07/2011	205	221	-70	330677	5303535
BL11-80	29/06/2011	05/07/2011	180	233.8	-70	329515	5304055
BL11-81	01/07/2011	03/07/2011	205	228.6	-50	330597	5303584
BL11-82	03/07/2011	04/07/2011	205	227	-70	330597	5303584
BL11-83	04/07/2011	06/07/2011	205	189.4	-50	330507	5303624
BL11-84	05/07/2011	08/07/2011	180	263	-50	329558	5304033
BL11-85	06/07/2011	08/07/2011	205	206	-70	330507	5303624
BL11-86	08/07/2011	11/07/2011	180	272	-70	329558	5304033
BL11-87	08/07/2011	09/07/2011	205	200	-50	330403	5303665
BL11-88	10/07/2011	11/07/2011	205	206	-70	330403	5303665
BL11-89	11/07/2011	13/07/2011	180	227	-50	329643	5303953
BL11-90	12/07/2011	15/07/2011	205	316.8	-55	330267	5303972
BL11-91	14/07/2011	15/07/2011	180	212	-70	329643	5303953
BL11-92	15/07/2011	17/07/2011	180	200	-50	329738	5303899
BL11-93	15/07/2011	18/07/2011	205	329	-70	330267	5303972
BL11-94	17/07/2011	19/07/2011	180	170	-70	329738	5303899
BL11-95	18/07/2011	21/07/2011	205	314	-85	330267	5303972
BL11-96	19/07/2011	21/07/2011	180	212	-50	329839	5303870
BL11-97	21/07/2011	24/07/2011	180	200	-70	329839	5303870
BL11-98	21/07/2011	24/07/2011	180	320	-50	329991	5304071
BL11-99	24/07/2011	26/07/2011	180	230	-70	329991	5304071
BL11-100	24/07/2011	27/07/2011	180	200	-50	329942	5303842
BL11-101	26/07/2011	10/08/2011	180	134	-85	329986	5304072
BL11-102	10/08/2011	13/08/2011	180	191	-70	329942	5303842

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HoleID	Date Started	Date Completed	Azimuth	Depth (m)	CollarDip	Easting	Northing
BL11-103	11/08/2011	15/08/2011	180	368	-50	329801	5304100
BL11-104	13/08/2011	16/08/2011	180	191	-50	330043	5303834
BL11-105	15/08/2011	21/08/2011	180	437	-85	329801	5304100
BL11-106	16/08/2011	18/08/2011	180	194	-70	330043	5303834
BL11-107	18/08/2011	19/08/2011	180	89	-50	330138	5303798
BL11-108	19/08/2011	21/08/2011	180	107	-70	330138	5303798
BL11-109	21/08/2011	24/08/2011	180	251	-60	329994	5303938
BL11-110	21/08/2011	23/08/2011	205	179	-50	330241	5303755
BL11-111	23/08/2011	25/08/2011	205	215	-70	330241	5303755
BL11-112	24/08/2011	29/08/2011	180	392	-55	329598	5304159
BL11-113	29/08/2011	03/09/2011	180	386	-70	329598	5304159
BL11-114	03/09/2011	06/09/2011	180	33.8	-85	329598	5304159
BL11-115	21/09/2011	26/09/2011	180	395.9	-85	329598	5304159
BL11-116	26/09/2011	29/09/2011	180	305.6	-70	329522	5304116
BL11-117	29/09/2011	04/10/2011	180	389	-55	329699	5304119
BL11-118	04/10/2011	10/10/2011	180	431	-70	329699	5304119
BL11-119	10/10/2011	16/10/2011	180	491	-85	329699	5304119
BL11-120	02/11/2011	07/11/2011	180	368	-55	329892	5304020
BL11-121	03/11/2011	07/11/2011	205	371	-85	331004	5303518
BL11-122	08/11/2011	13/11/2011	180	398	-70	329892	5304020
BL11-123	08/11/2011	09/11/2011	205	155	-50	330806	5303219
BL11-124	10/11/2011	15/11/2011	205	407	-50	331111	5303370
BL11-125	14/11/2011	20/11/2011	180	431.3	-85	329892	5304020
BL11-126	15/11/2011	18/11/2011	205	293	-70	331111	5303370
BL11-127	18/11/2011	21/11/2011	205	353	-50	331176	5303306
BL11-128	23/11/2011	11/12/2011	180	455	-65	330094	5304116
BL11-129	21/11/2011	02/12/2011	205	290	-70	331176	5303306
BL11-130	29/11/2011	04/12/2011	205	382	-85	330899	5303634
BL11-131	02/12/2011	08/12/2011	205	386	-50	331268	5303262
BL11-132	04/12/2011	08/12/2011	205	356	-55	331001	5303617
BL11-133	08/12/2011	11/12/2011	205	359.5	-70	331001	5303617
BL11-134	08/12/2011	12/12/2011	205	341	-70	331268	5303262
BL11-135	10/12/2011	17/12/2011	180	456	-85	330094	5304116
BL11-136	12/12/2011	16/12/2011	205	310.7	-50	331356	5303218
BL11-137	11/12/2011	16/12/2011	205	388	-85	331001	5303617
BL11-138	16/12/2011	12/01/2012	205	371	-70	331356	5303218
BL11-139	16/12/2011	13/01/2012	205	371	-55	330805	5303697
BL11-140	18/12/2011	14/01/2012	205	353.6	-50	330365	5303910
BL11-Met	11/07/2011	12/07/2011	205	200	-50	330277	5303723
BN11-01	28/08/2011	03/09/2011	135	293.4	-45	327862	5306193

HoleID	Date Started	Date Completed	Azimuth	Depth (m)	CollarDip	Easting	Northing
BN11-02	04/09/2011	25/09/2011	135	326	-60	327862	5306193
BN11-03	25/09/2011	28/09/2011	135	241	-45	328160	5306405
BN11-04	28/09/2011	01/10/2011	340	281	-45	328085	5306426
BN11-05	01/10/2011	05/10/2011	340	281	-60	328085	5306426
BN11-06	05/10/2011	08/10/2011	360	215	-45	327877	5306403
BN11-07	08/10/2011	11/10/2011	360	269	-60	327877	5306403
BN11-08	11/10/2011	14/10/2011	360	206	-45	327684	5306374
BN11-09	14/10/2011	17/10/2011	360	290	-60	327684	5306374
BN11-10	17/10/2011	06/11/2011	315	331.5	-45	327479	5306241
BN11-11	06/11/2011	11/11/2011	315	398.4	-60	327479	5306241
BN11-12	11/11/2011	16/11/2011	360	392	-45	326782	5306236
BN11-13	16/11/2011	22/11/2011	360	394.8	-45	326675	5306120
BN11-14	30/11/2011	05/12/2011	235	250	-45	327212	5304885
BN11-15	05/12/2011	09/12/2011	235	282.7	-45	327104	5304794
BN11-16	09/12/2011	09/12/2011	235	363.9	-60	327104	5304794
BN11-17	13/12/2011	18/12/2011	235	323	-45	326987	5304712
BN11-18	18/12/2011	16/01/2012	235	215	-60	326987	5304712

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 800NW and are every 50m (where applicable) to 1200mSE. An index plan view of the section lines and collar locations is also presented at the start of Appendix III. Table 4 lists the section that each drill hole is illustrated on. There are 18 holes located to the NW of the Borden Lake 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 first phase program with one new unit, quartz feldspar porphyry (QFP), intersected in some of the holes. This unit, believed to be a textural variant of the quartz pebble felsic paragneiss unit occurs as quartz and feldspar phenocrysts within a siliceous matrix.

Table 4 – Drill holes, Sections and Claim number

	HoleID	Section	Unpatented or Patented (private) claim number	Depth (m)
1	BL11-26	0m	4227868	364
2	BL11-27	100m SE	4227868	209
3	BL11-28	100m SE	4227868	230
4	BL11-29	200m SE	4227868	206
5	BL11-30	200m SE	4227868	212
6	BL11-31	300m SE	4227868	206
7	BL11-32	300m SE	4227868	218
8	BL11-33	400m SE	4227868	221.5
9	BL11-34	400m SE	4227868	230
10	BL11-35	500m SE	COCH LOT2 CON2 S; PIN 731020014	107
11	BL11-36	500m SE	COCH LOT2 CON2 S; PIN 731020014	221
12	BL11-37	600m SE	COCH LOT2 CON2 S; PIN 731020014	227
13	BL11-38	600m SE	COCH LOT2 CON2 S; PIN 731020014	236
14	BL11-39	700m SE	COCH LOT2 CON2 S; PIN 731020014	251
15	BL11-40	700m SE	COCH LOT2 CON2 S; PIN 731020014	41.9
16	BL11-41	700m SE	COCH LOT2 CON2 S; PIN 731020014	248.6
17	BL11-42	800m SE	COCH LOT2 CON2 S; PIN 731020014	248
18	BL11-43	800m SE	COCH LOT2 CON2 S; PIN 731020014	242.7
19	BL11-44	600m SE	COCH LOT2 CON2 S; PIN 731020014	366.3
20	BL11-45	850m SE	COCH LOT2 CON2 S; PIN 731020014	267.2
21	BL11-46	600m SE	COCH LOT2 CON2 S; PIN 731020014	359
22	BL11-47	850m SE	COCH LOT2 CON2 S; PIN 731020014	266
23	BL11-48	750m SE	COCH LOT2 CON2 S; PIN 731020014	365
24	BL11-49	800m SE	COCH LOT2 CON2 S; PIN 731020014	203
25	BL11-50	700m SE	COCH LOT2 CON2 S; PIN 731020014	203
26	BL11-51	750m SE	COCH LOT2 CON2 S; PIN 731020014	323
27	BL11-52	600m SE	COCH LOT2 CON2 S; PIN 731020014	164
28	BL11-53	400m SE	4227868 (172m) & 731020014 (130m)	302
29	BL11-54	500m SE	4227868 (160m) & 731020014 (13m)	173
30	BL11-55	400m SE	4227868	173
31	BL11-56	400m SE	4227868 (101m) & 731020014 (219m)	320
32	BL11-57	300m SE	4227868	174.8
33	BL11-58	200m SE	4227868	294
34	BL11-59	200m SE	4227868	130.8
35	BL11-60	200m SE	4227868	310.7
36	BL11-61	100m SE	4227868	191
37	BL11-62	0m	4227868	155
38	BL11-63	500m SE	4227868 (121.2m) & 731020014 (100m)	221.2
39	BL11-64	100m NW	4227868	164
40	BL11-65	550m SE	COCH LOT2 CON2 S; PIN 731020014	215
41	BL11-66	200m NW	4227868	167
42	BL11-67	550m SE	COCH LOT2 CON2 S; PIN 731020014	227.8
43	BL11-68	300m NW	4227868	167
44	BL11-69	400m NW	4227868	152
45	BL11-70	650m SE	COCH LOT2 CON2 S; PIN 731020014	221
46	BL11-71	650m SE	COCH LOT2 CON2 S; PIN 731020014	215
47	BL11-72	500m NW	4227868	149.1

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	HoleID	Section	Unpatented or Patented (private) claim number	Depth (m)
48	BL11-73	600m NW	4227868	242
49	BL11-74	750m SE	COCH LOT2 CON2 S; PIN 731020014	221
50	BL11-75	750m SE	COCH LOT2 CON2 S; PIN 731020014	257
51	BL11-76	600m NW	4227868	260
52	BL11-77	450m SE	4227868 (204m) & 731020014 (17m)	221
53	BL11-78	800m NW	4227868	165.4
54	BL11-79	450m SE	4227868 (189m) & 731020014 (32m)	221
55	BL11-80	800m NW	4227868	233.8
56	BL11-81	350m SE	4227868	228.6
57	BL11-82	350m SE	4227868	227
58	BL11-83	250m SE	4227868	189.4
59	BL11-84	750m NW	4227868	263
60	BL11-85	250m SE	4227868	206
61	BL11-86	750m NW	4227868	272
62	BL11-87	150m SE	4227868	200
63	BL11-88	150m SE	4227868	206
64	BL11-89	650m NW	4227868	227
65	BL11-90	100m NW	4227868 (311.8m) & 731020012 (5m)	316.8
66	BL11-91	650m NW	4227868	212
67	BL11-92	550m NW	4227868	200
68	BL11-93	100m NW	4227868 (320m) & 731020012 (9m)	329
69	BL11-94	550m NW	4227868	170
70	BL11-95	100m NW	4227868 (280m) & 731020012 (34m)	314
71	BL11-96	450m NW	4227868	212
72	BL11-97	450m NW	4227868	200
73	BL11-98	300m NW	731020012 (160m) & 4227868 (160m)	320
74	BL11-99	300m NW	COCH LOT3 CON2; PIN 731020012	230
75	BL11-100	350m NW	4227868	200
76	BL11-101	300m NW	COCH LOT3 CON2; PIN 731020012	134
77	BL11-102	350m NW	4227868	191
78	BL11-103	500m NW	4227868	368
79	BL11-104	250m NW	4227868	191
80	BL11-105	500m NW	4227868	437
81	BL11-106	250m NW	4227868	194
82	BL11-107	150m NW	4227868	89
83	BL11-108	150m NW	4227868	107
84	BL11-109	300m NW	4227868	251
85	BL11-110	50m NW	4227868	179
86	BL11-111	50m NW	4227868	215
87	BL11-112	700m NW	4227868	392
88	BL11-113	700m NW	4227868	386
89	BL11-114	700m NW	4227868	33.8
90	BL11-115	700m NW	4227868	395.90
91	BL11-116	800m NW	4227868	305.6
92	BL11-117	600m NW	4227868	389
93	BL11-118	600m NW	4227868	431
94	BL11-119	600m NW	4227868	491
95	BL11-120	400m NW	4227868 (285m); & 731020012 (83m)	368
96	BL11-121	750m SE	COCH LOT2 CON2 S; PIN 731020014	371
97	BL11-122	400m NW	4227868 (258m); & 731020012 (140m)	398

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	HoleID	Section	Unpatented or Patented (private) claim number	Depth (m)
98	BL11-123	700m SE	COCH LOT2 CON2 S; PIN 731020014	155
99	BL11-124	900m SE	COCH LOT2 CON2 S; PIN 731020014	407
100	BL11-125	400m NW	COCH LOT3 CON2; PIN 731020012	431.3
101	BL11-126	900m SE	COCH LOT2 CON2 S; PIN 731020014	293
102	BL11-127	1000m SE	COCH LOT2 CON2 S; PIN 731020014	353
103	BL11-128	200m NW	731020012 (350m) & 4227868 (105m)	455
104	BL11-129	1000m SE	COCH LOT2 CON2 S; PIN 731020014	290
105	BL11-130	600m SE	COCH LOT2 CON2 S; PIN 731020014	382
106	BL11-131	1100m SE	COCH LOT2 CON2 S; PIN 731020014 (300m) & 4252997 (86m)	386
107	BL11-132	700m SE	COCH LOT2 CON2 S; PIN 731020014	356
108	BL11-133	700m SE	COCH LOT2 CON2 S; PIN 731020014	359.5
109	BL11-134	1100m SE	COCH LOT2 CON2 S; PIN 731020014	341
110	BL11-135	200m NW	COCH LOT3 CON2; PIN 731020012	456
111	BL11-136	1200m SE	COCH LOT2 CON2 S; PIN 731020014 (225m) & 4252997 (85.7m)	310.7
112	BL11-137	700m SE	COCH LOT2 CON2 S; PIN 731020014	388
113	BL11-138	1200m SE	COCH LOT2 CON2 S; PIN 731020014	371
114	BL11-139	500m SE	COCH LOT2 CON2 S; PIN 731020014	371
115	BL11-140	0m	4227868	353.6
116	BL11-Met	0m	4227868	200
117	BN11-01	BN11-01&02	COCH LOT6 CON3 N; PIN 731020007	293.4
118	BN11-02	BN11-01&02	COCH LOT6 CON3 N; PIN 731020007	326
119	BN11-03	BN11-03	4242553 (21m); COCH LOT6 CON3 N; PIN 731020007 (220m)	241
120	BN11-04	BN11-04&05	4242553	281
121	BN11-05	BN11-04&05	4242553	281
122	BN11-06	BN11-06&07	4242553	215
123	BN11-07	BN11-06&07	4242553	269
124	BN11-08	BN11-08&09	COCH LOT6 CON3 N; PIN 731020007 (60m) ; 4242553 (146m)	206
125	BN11-09	BN11-08&09	COCH LOT6 CON3 N; PIN 731020007 (84m) ; 4242553 (206m)	290
126	BN11-10	BN11-10&11	4249706	331.5
127	BN11-11	BN11-10&11	4249706	398.4
128	BN11-12	BN11-12	4249706 (296m) & 4242555 (96m)	392
129	BN11-13	BN11-13	4249707	394.8
130	BN11-14	BN11-14	4255237 (158m) & 4240490 (47m) & 4255238 (45m)	250
131	BN11-15	BN11-15,16,17&18	4240490 (19m) & 4255238 (263.7m)	282.7
132	BN11-16	BN11-15,16,17&18	4240490 (27m) & 4255238 (336.9m)	363.9
133	BN11-17	BN11-15,16,17&18	4255238	323
134	BN11-18	BN11-15,16,17&18	4255238	215

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

Drilling results continue to indicate that there is excellent potential to host a low-grade, bulk tonnage gold deposit. Further drilling is recommended.

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APPENDIX I

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

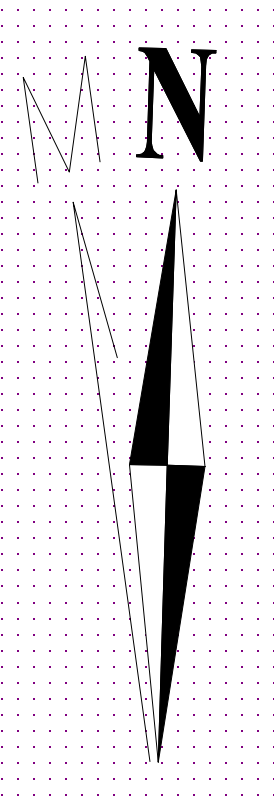
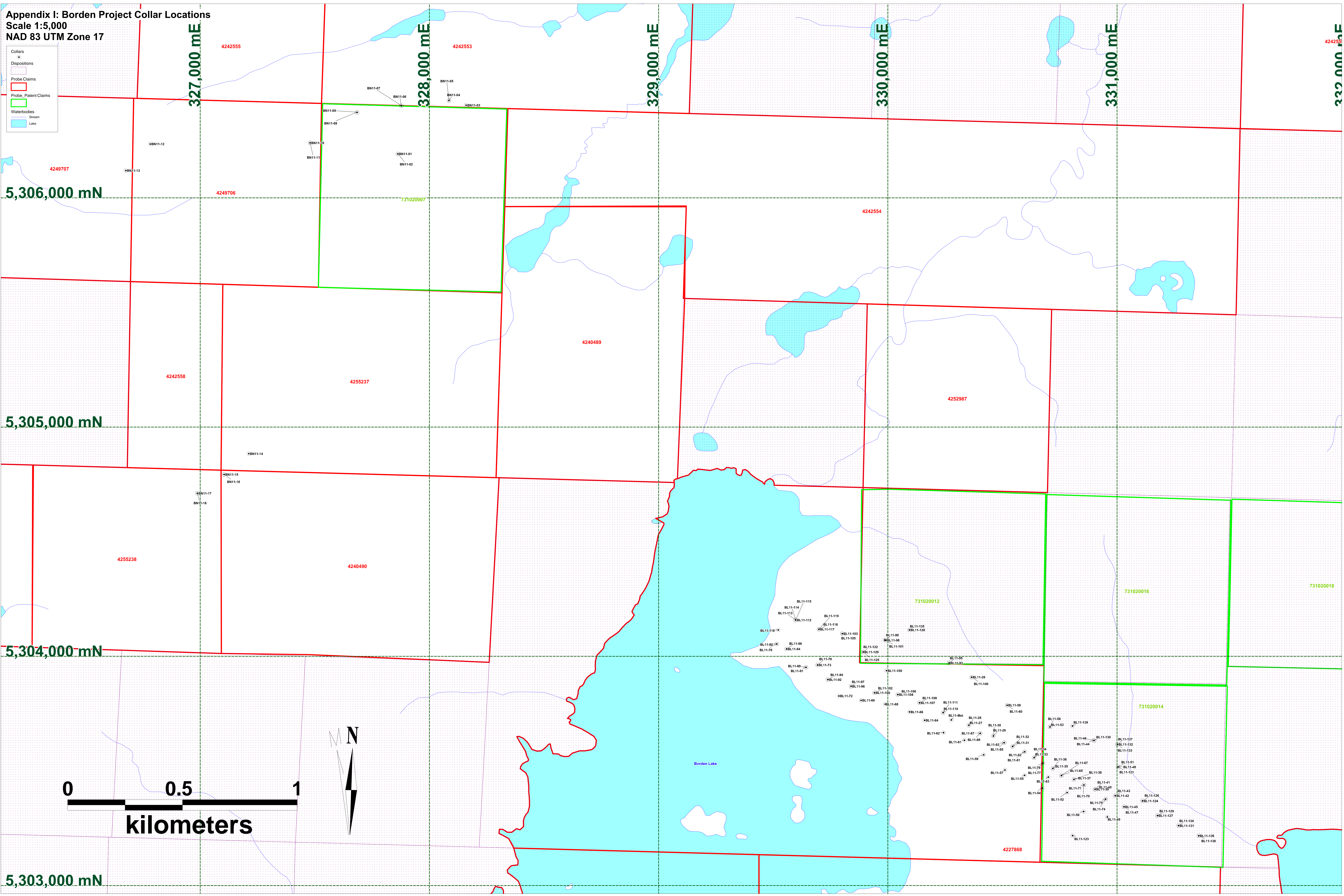
and

Drill hole Trace Plan Maps (1:3,000)

Appendix I: Borden Project Collar Locations

Scale 1:5,000
NAD 83 UTM Zone 17

Collars
Dispositions
Probe Claims
Probe Patent Claims
Waterbodies
Stream
Lake



Appendix I: Borden Lake DDH traces Plan view

Scale 1:3,000

NAD 83 UTM Zone 17

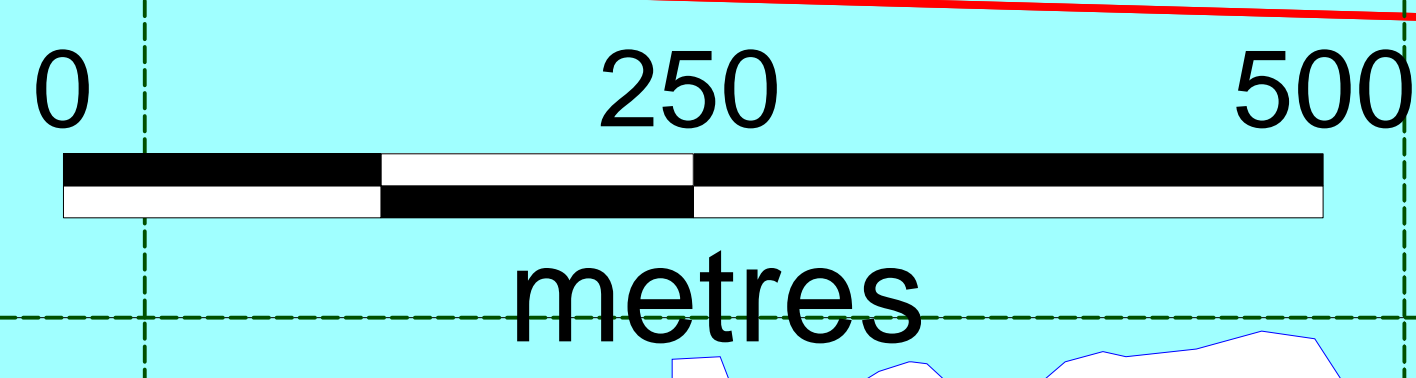
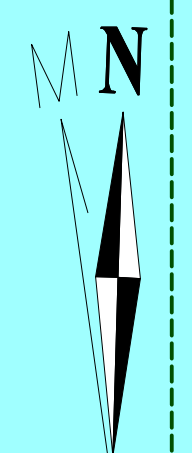
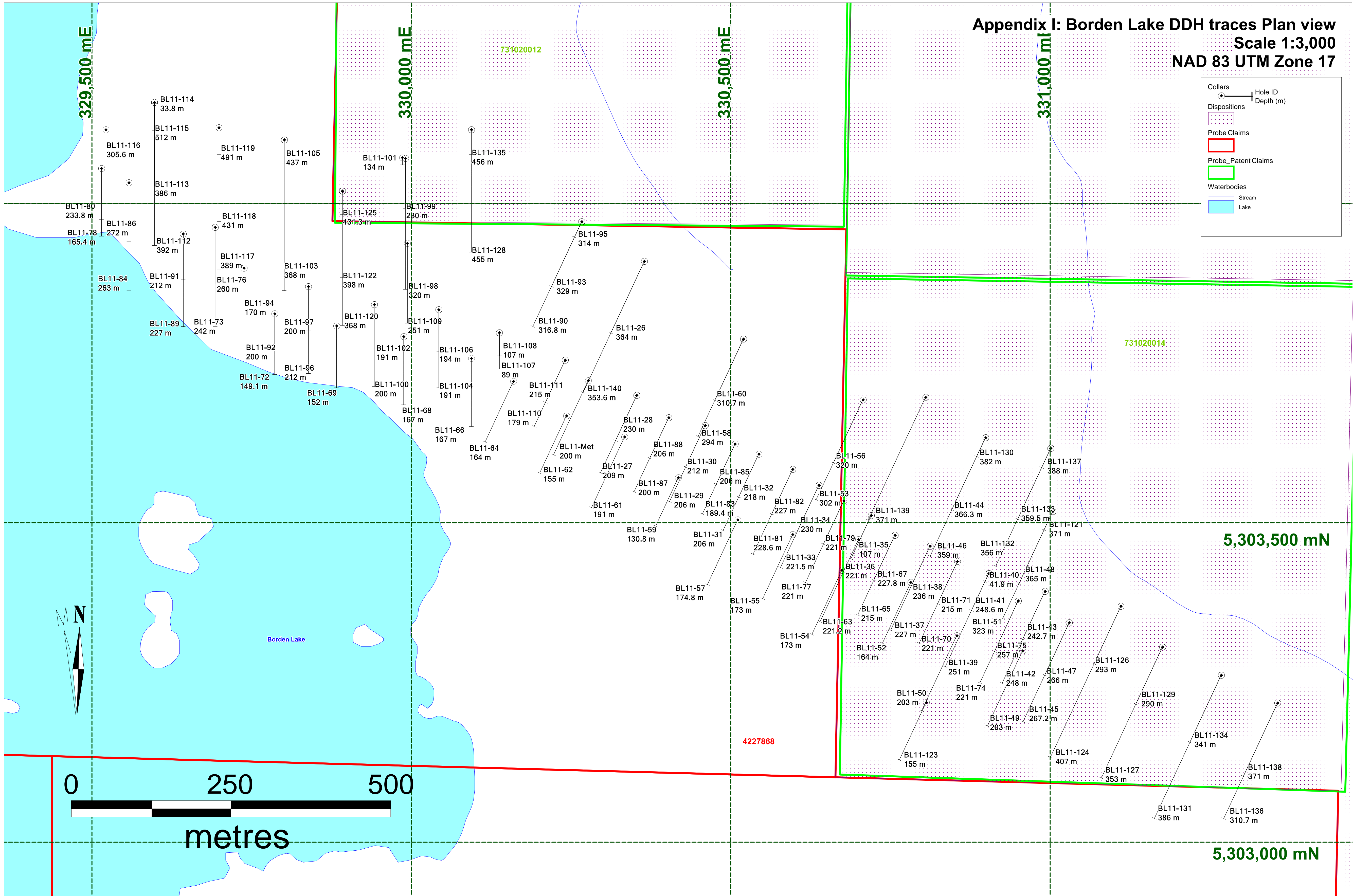
Collars: Hole ID: Depth (m)

Dispositions:

Probe Claims:

Probe Patent Claims:

Waterbodies: Stream: Lake:



5,303,500 mN

5,303,000 mN

731020012

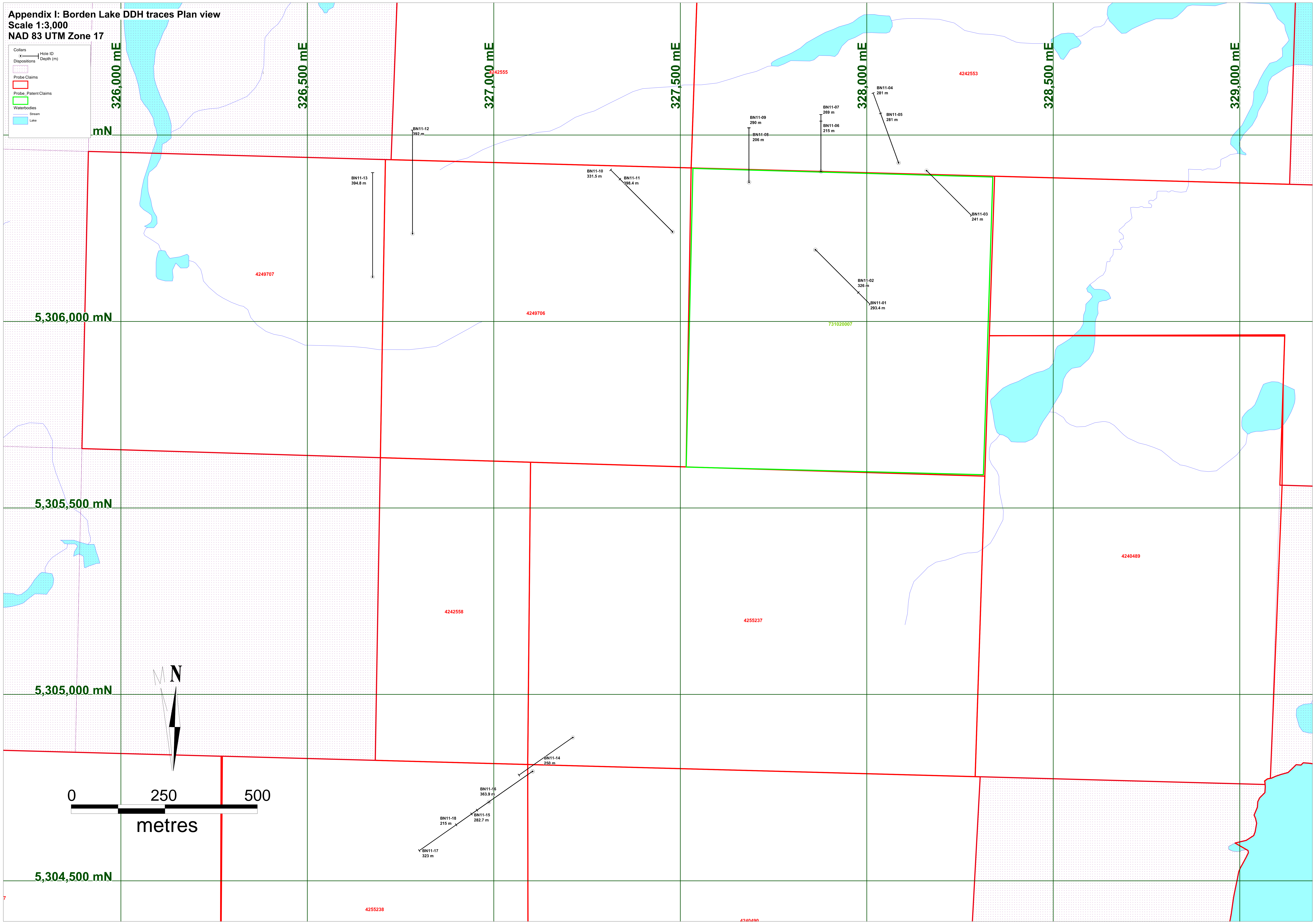
731020014

4227868

Appendix I: Borden Lake DDH traces Plan view
Scale 1:3,000
NAD 83 UTM Zone 17

Collars
Dispositions
Probe Claims
Probe_Patent Claims
Waterbodies
Stream
Lake

Hole ID
Depth (m)



APPENDIX II

Drill logs

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 Northing 5303910 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	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



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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



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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, LatLong) 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 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	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, LatLong) 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303653
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303653
							Datum NAD 83
							Zone 17

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	(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	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, LatLong) 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303608
				(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	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



Diamond Drilling Log

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DDH.
BL11-34

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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 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	4.2	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 graine 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	(m) degrees	Property Name Borden Lake	Easting 330720
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303512
				(m) degrees	(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	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	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 gradiates 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, LatLong) 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	(m) degrees	Property Name Borden Lake	Easting 330812
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303464
				(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	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	Property Name Borden Lake	Easting 330904
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303421
					(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	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



**Diamond
Drilling
Log**

Hole No
DDH.
BL11-40

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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 Northing 5303421 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	7.3	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	Property Name Borden Lake	Easting 330904
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303421
					(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, Lat/Long) 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
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	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 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 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	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, LatLong) 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	RockType	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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Diamond Drilling Log

Hole No
DDH.
BL11-45

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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 Northing 5303344 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	7.3	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, LatLong) 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	(m) degrees		Northing 5303344
				(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	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, LatLong) 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	UM\LAMP Dike	Black and white	Fine grained		Black and white, fine grained UM\LAMP 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 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 Northing 5303518 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	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, LatLong) 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	(m) degrees	Property Name Borden Lake	Easting 330854
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303324
				(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	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, LatLong) 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	(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	4.4	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-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	(m) degrees	Property Name Borden Lake	Easting 330782 Northing 5303407 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	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 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303693
				(m) degrees	(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	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	(m) degrees		Northing 5303426
				(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	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, LatLong) 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	(m) degrees		Northing 5303482
							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	(m) degrees	Property Name Borden Lake	Easting 330707
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303693
				(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	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	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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Diamond Drilling Log

Hole No
DDH.
BL11-57

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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	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, LatLong) 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, blebbty, 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	(m) degrees	Property Name Borden Lake	Easting 330418
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303571
				(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	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	(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	UM\LAMP 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, LatLong) 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



Diamond Drilling Log

Hole No
DDH.
BL11-63

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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	(m) degrees	Property Name Borden Lake	Easting 330700 Northing 5303474 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	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 and 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



Diamond Drilling Log

Hole No
DDH.
BL11-65

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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, LatLong) 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 Northing 5303481 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	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, LatLong) 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 Northing 5303481 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	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



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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



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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	(m) degrees	Property Name Borden Lake	Easting 329883 Northing 5303809 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	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	(m) degrees	Property Name Borden Lake	Easting 330855
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303440
							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



Diamond Drilling Log

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BL11-73

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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, LatLong) 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 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	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, LatLong) 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 Northing 5303378 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	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 of 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



**Diamond
Drilling
Log**

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DDH.
BL11-75

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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, LatLong) 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	(m) degrees		Northing 5303378
				(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	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



Diamond Drilling Log

Hole No
DDH.
BL11-76

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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, LatLong) 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 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	4.3	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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304055
				(m) degrees	(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	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	UM\LAMP 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
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	4.0	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



**Diamond
Drilling
Log**

Hole No
DDH.
BL11-81

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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	(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
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	6.8	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	(m) degrees		Northing 5303624
				(m) degrees	(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	(m) degrees		Northing 5304033
							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, LatLong) 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
				(m) degrees	(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	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, Lat/Long) 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303665
				(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	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



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BL11-89

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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, LatLong) 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	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



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BL11-90

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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	(m) degrees		Northing 5303972
							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



**Diamond
Drilling
Log**

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DDH.
BL11-91

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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	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	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



Diamond Drilling Log

Hole No
DDH.
BL11-92

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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, LatLong) 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 Northing 5303899 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	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, LatLong) 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	(m) degrees		Northing 5303899
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	RockType	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, LatLong) 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 intervals.	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	Porphyroblastic	Intermixed spider 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	Porphyroblastic	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



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DDH.
BL11-98

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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, LatLong) 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 Northing 5304071 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	13.2	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					



Diamond Drilling Log

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DDH.
BL11-99

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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, Lat/Long) 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 Northing 5304071 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	13.0	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	(m) degrees	Property Name Borden Lake	Easting 329986 Northing 5304072 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	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					



Diamond Drilling Log

Hole No
DDH.
BL11-102

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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, LatLong) 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 Northing 5303842 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	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, LatLong) 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



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DDH.
BL11-104

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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	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



Diamond Drilling Log

Hole No
DDH.
BL11-105

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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, LatLong) 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304100
							Datum NAD 83
							Zone 17

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, LatLong) 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 blebby, 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
				(m) degrees	(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	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, Lat/Long) 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303798
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

From	To	Rock Type	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					



Diamond Drilling Log

Hole No
DDH.
BL11-109

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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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303938
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

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



Diamond Drilling Log

Hole No
DDH.
BL11-110

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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, LatLong) 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	(m) degrees		Northing 5303755
				(m) degrees	(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 pyrrhotite-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 Northing 5303755 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	6.3	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



**Diamond
Drilling
Log**

Hole No
DDH.
BL11-112

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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	(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



Diamond Drilling Log

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DDH.
BL11-113

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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, LatLong) 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



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DDH.
BL11-114

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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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304159
							Datum NAD 83
							Zone 17

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



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DDH.
BL11-116

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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 Northing 5304116 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	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



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DDH.
BL11-117

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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	(m) degrees	Property Name Borden Lake	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304119
							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



Diamond Drilling Log

Hole No
DDH.
BL11-118

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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, LatLong) 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, Lat/Long) 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	(m) degrees	Property Name Borden Lake	Easting 329699
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5304119
							Datum NAD 83
							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	(m) degrees	Property Name Borden Lake	Easting 331004 Northing 5303518 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	6.5	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



Diamond Drilling Log

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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
				(m) degrees	(m) degrees		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



**Diamond
Drilling
Log**

Hole No
DDH.
BL11-124

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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, Lat/Long) 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	Property Name Borden Lake	Easting 331111
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303370
					(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	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	(m) degrees	Property Name Borden Lake	Easting 329892 Northing 5304020 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	24.0	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	UMLAMP 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



**Diamond
Drilling
Log**

Hole No
DDH.
BL11-127

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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, LatLong) 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	(m) degrees	Property Name Borden Lake	Easting 331176
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303306
				(m) degrees	(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	(m) degrees		Northing 5304116
							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



Diamond Drilling Log

Hole No
DDH.
BL11-129

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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, LatLong) 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	(m) degrees	Property Name Borden Lake	Easting 331176 Northing 5303306 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	4.9	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	(m) degrees	Property Name Borden Lake	Easting 330899
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303634
				(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	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



Diamond Drilling Log

Hole No
DDH.
BL11-131

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1 of 3

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, LatLong) 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	(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	Property Name Borden Lake	Easting 331001
Exploration Co., Owner or Optionee Probe Mines Limited					(m) degrees		Northing 5303617
					(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



**Diamond
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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) 360	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 11/12/2011	Date Logged Dec 8-11, 2011	Logged By Gabrielle Hosein	(m) degrees	(m) degrees	Property Name Borden Lake	Easting 331001 Northing 5303617 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	3.0	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 schlieren pyrite and 1-2% medium to coarse grained clotty to schlieren 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	(m) degrees	Property Name Borden Lake	Easting 331268 Northing 5303262 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	2.8	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	UM\LAMP 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, LatLong) 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	(m) degrees	Property Name Borden Lake	Easting 330094 Northing 5304116 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	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	(m) degrees	Property Name Borden Lake	Easting 331356 Northing 5303218 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	2.8	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	UM\LAMP 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	UM\LAMP 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, LatLong) 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		Northing 5303617
					(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	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, LatLong) 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 Northing 5303218 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	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 Northing 5303697 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	6.0	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, LatLong) 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	(m) degrees	Property Name Borden Lake	Easting 330365
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5303910
				(m) degrees	(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, LatLong) 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	(m) degrees		Northing 5303723
				(m) degrees	(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, Lat/Long) 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306193
							Datum NAD 83
							Zone 17

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



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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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306193
				(m) degrees	(m) degrees		Datum NAD 83
							Zone 17

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



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BN11-03

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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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306426
				(m) degrees	(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	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	(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	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	UM\LAMP 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	UM\LAMP 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	UM\LAMP 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
Exploration Co., Owner or Optionee Probe Mines Limited				(m) degrees	(m) degrees		Northing 5306403
				(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	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	UM\LAMP 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	UM\LAMP 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



Diamond Drilling Log

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DDH.
BN11-09

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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. Intetmixed amphibolite layers.	15	0	1	>1
177.8	192.2	Amphibole Felsic Gneiss	Grey and Green	Medium Grained	Porphyroblastic	Porphyroblastic amphibole and bioite in a fine graine felsic goundmass.		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 magin 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



**Diamond
Drilling
Log**

Hole No
DDH.
BN11-11

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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



Diamond Drilling Log

Hole No
DDH.
BN11-12

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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, LatLong) 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
				(m) degrees	(m) degrees		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



**Diamond
Drilling
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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, LatLong) 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	UM\LAMP 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



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BN11-15

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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, LatLong) 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	UM\LAMP 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-pyrrhotite.	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



**Diamond
Drilling
Log**

Hole No
DDH.
BN11-18

Page No
1 of 1

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		Northing 5304712
					(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	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 (1:3,000)

And

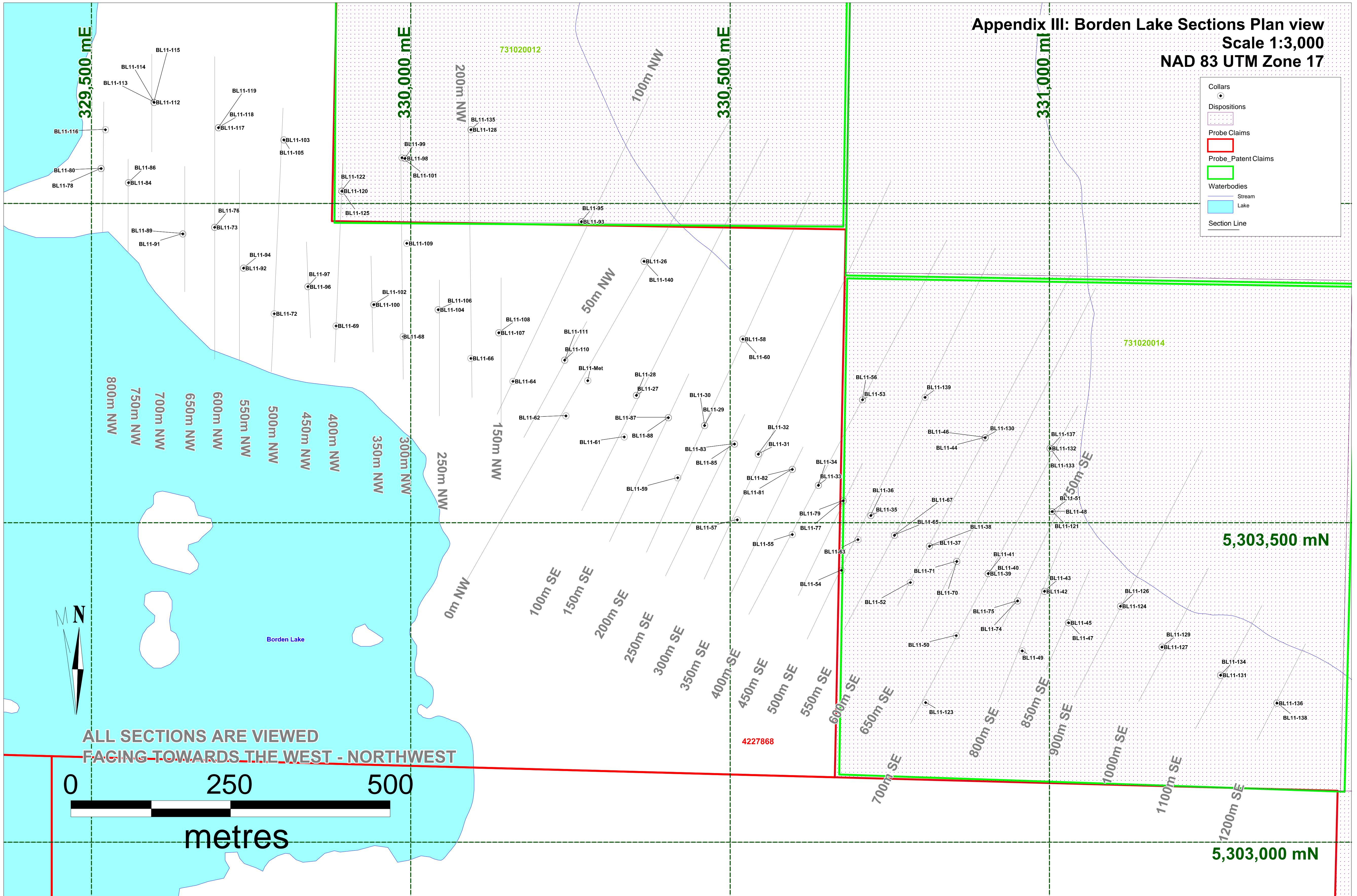
Drill Hole Cross Sections (1:1,000)

Appendix III: Borden Lake Sections Plan view

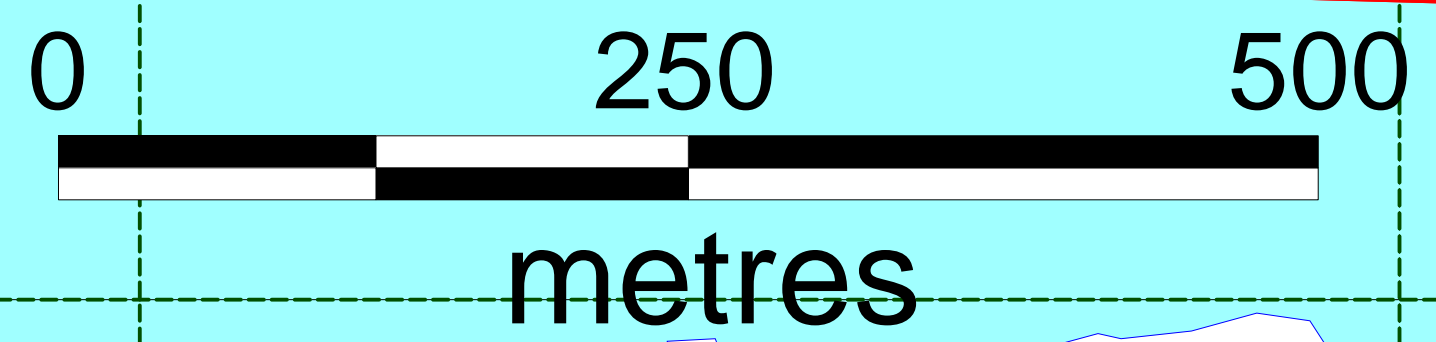
Scale 1:3,000

NAD 83 UTM Zone 17

Collars
Dispositions
Probe Claims
Probe_Patent Claims
Waterbodies
Stream
Lake
Section Line



ALL SECTIONS ARE VIEWED FACING TOWARDS THE WEST - NORTHWEST



5,303,000 mN

5,303,900mN

5,303,950mN

5,304,000mN

5,304,050mN

5,304,100mN

5,304,150mN

5,304,200mN

450mRL

400mRL

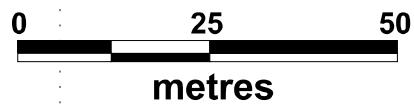
350mRL

300mRL

250mRL

200mRL

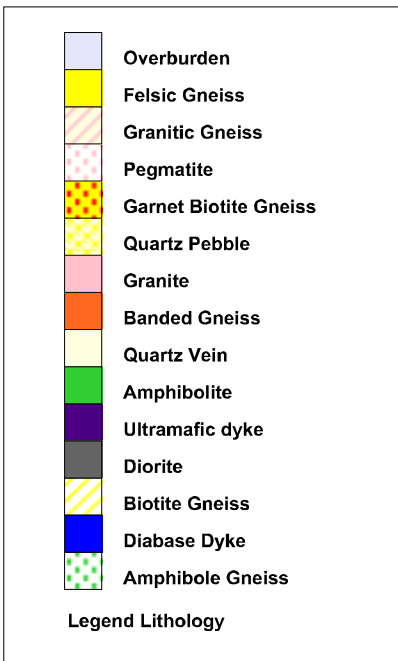
150mRL



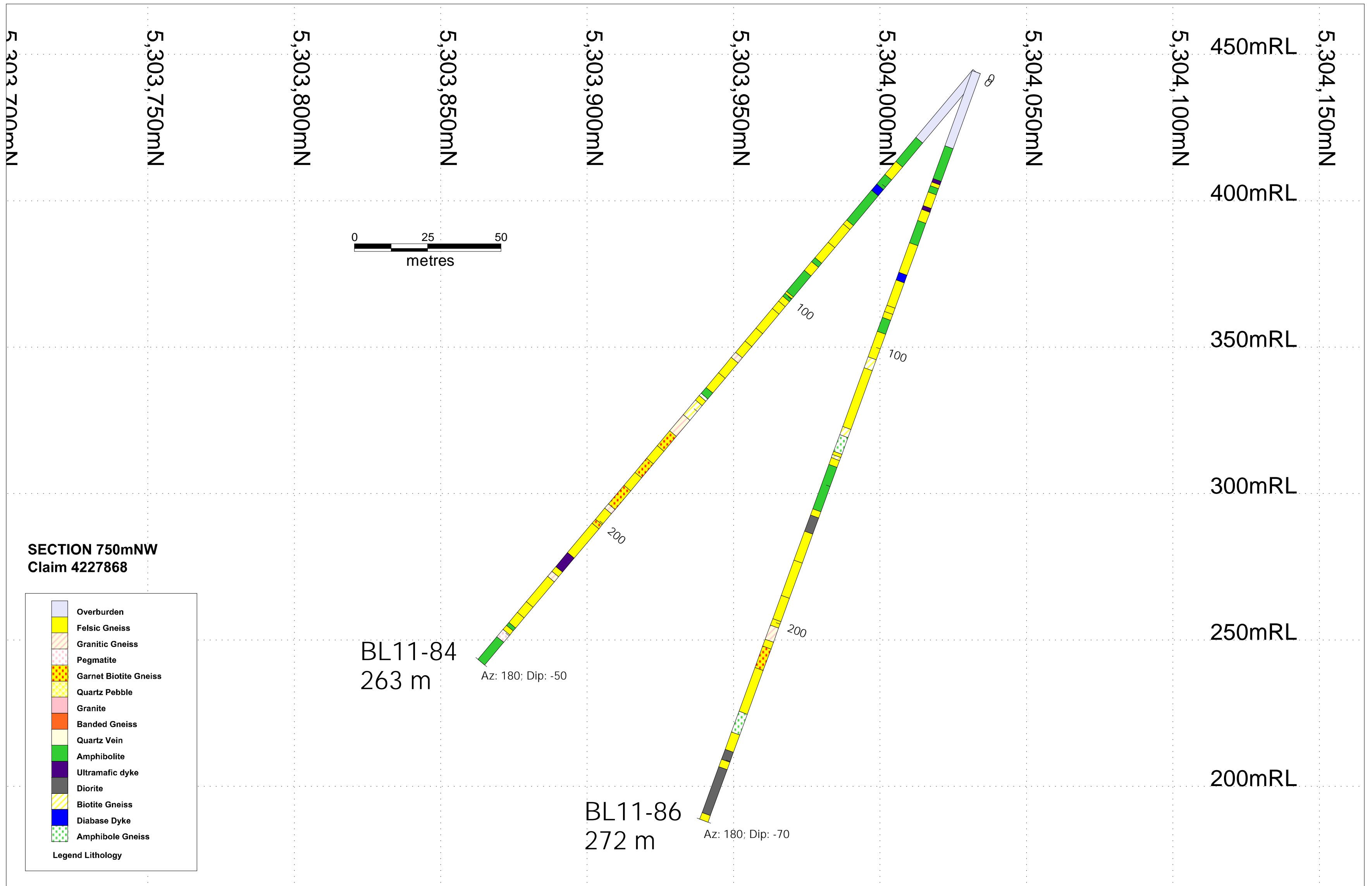
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BL11-78
 165.4 m

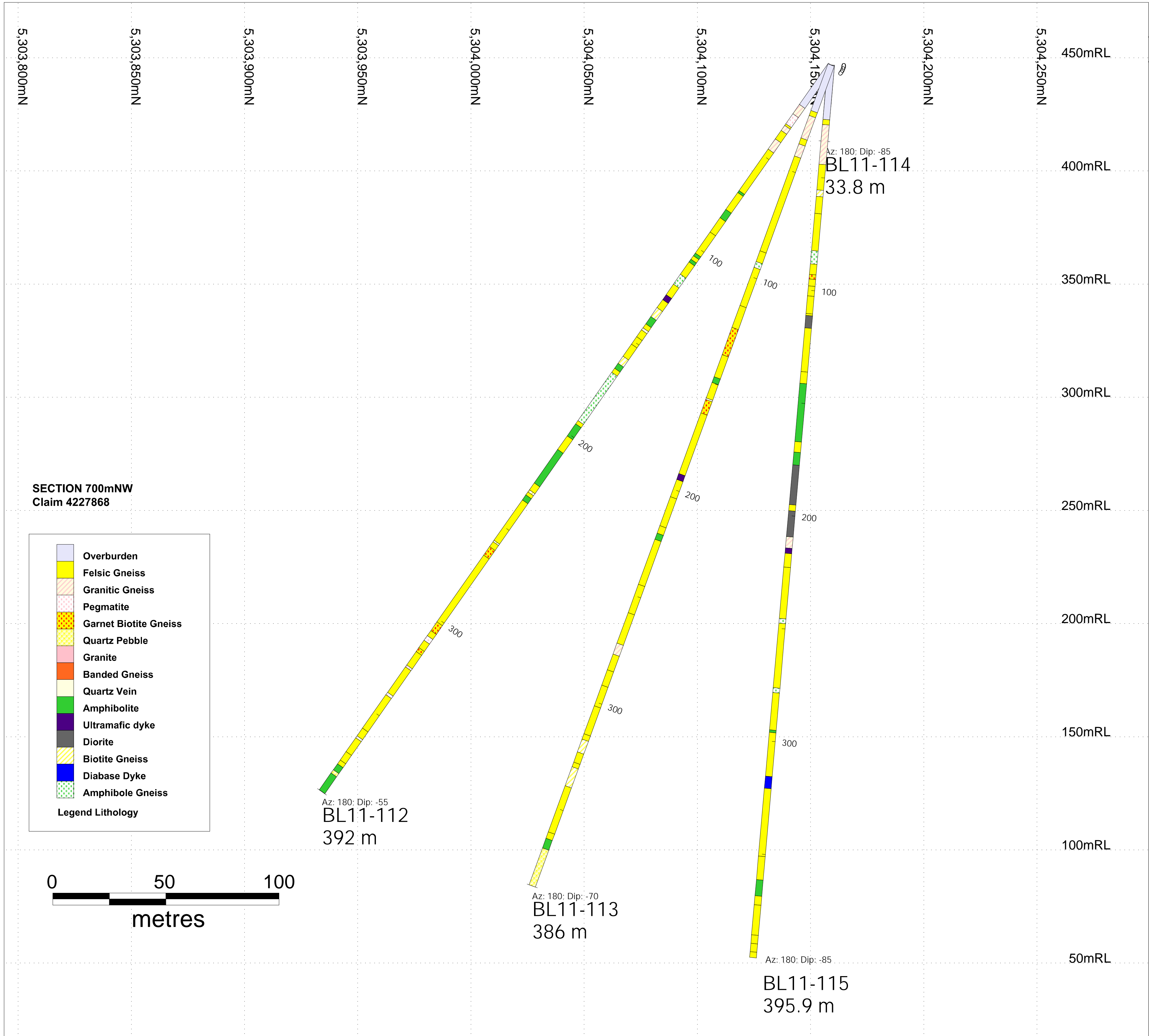
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BL11-80
 233.8 m

Az: 180; Dip: -70
BL11-116
 305.6 m

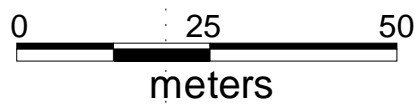
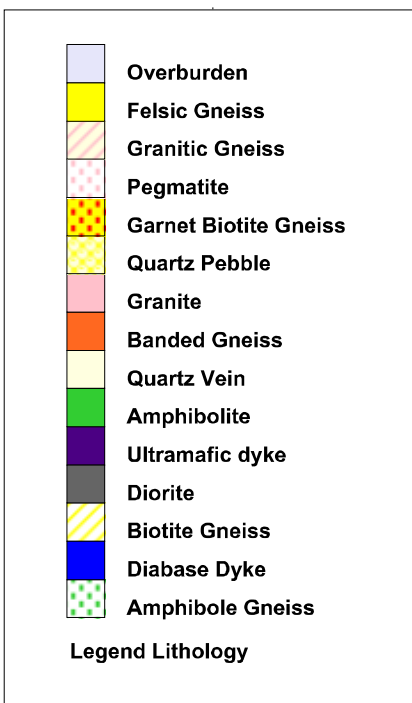


SECTION 800mNW
Claim 4227868





SECTION 650mNW
Claim 4227868



Az: 180; Dip: -50

BL11-89

227 m

200

Az: 180; Dip: -70

BL11-91

212 m

100

100

5,303,750mN

5,303,800mN

5,303,850mN

5,303,900mN

5,303,950mN

5,304,000mN

450mRL

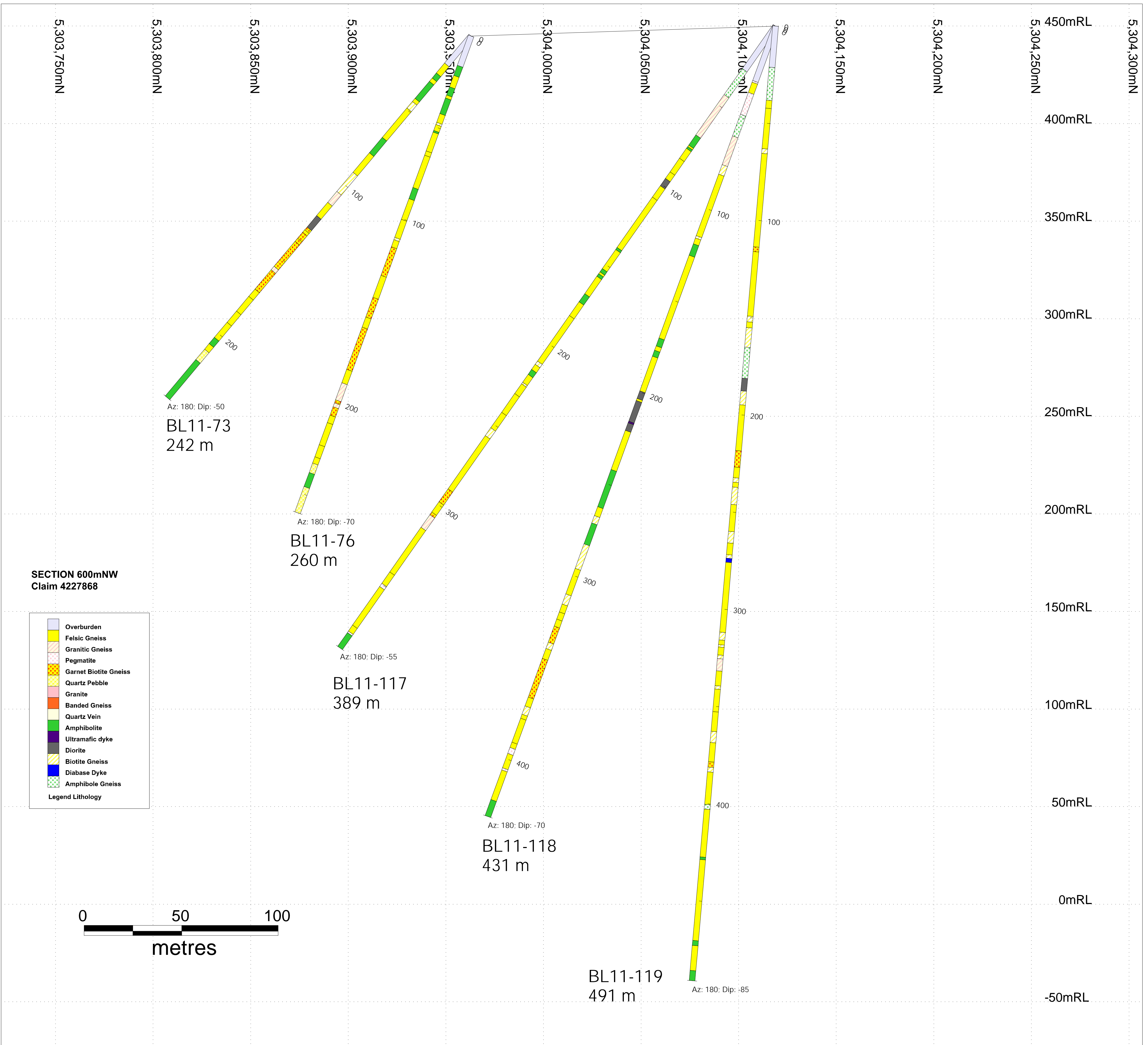
400mRL

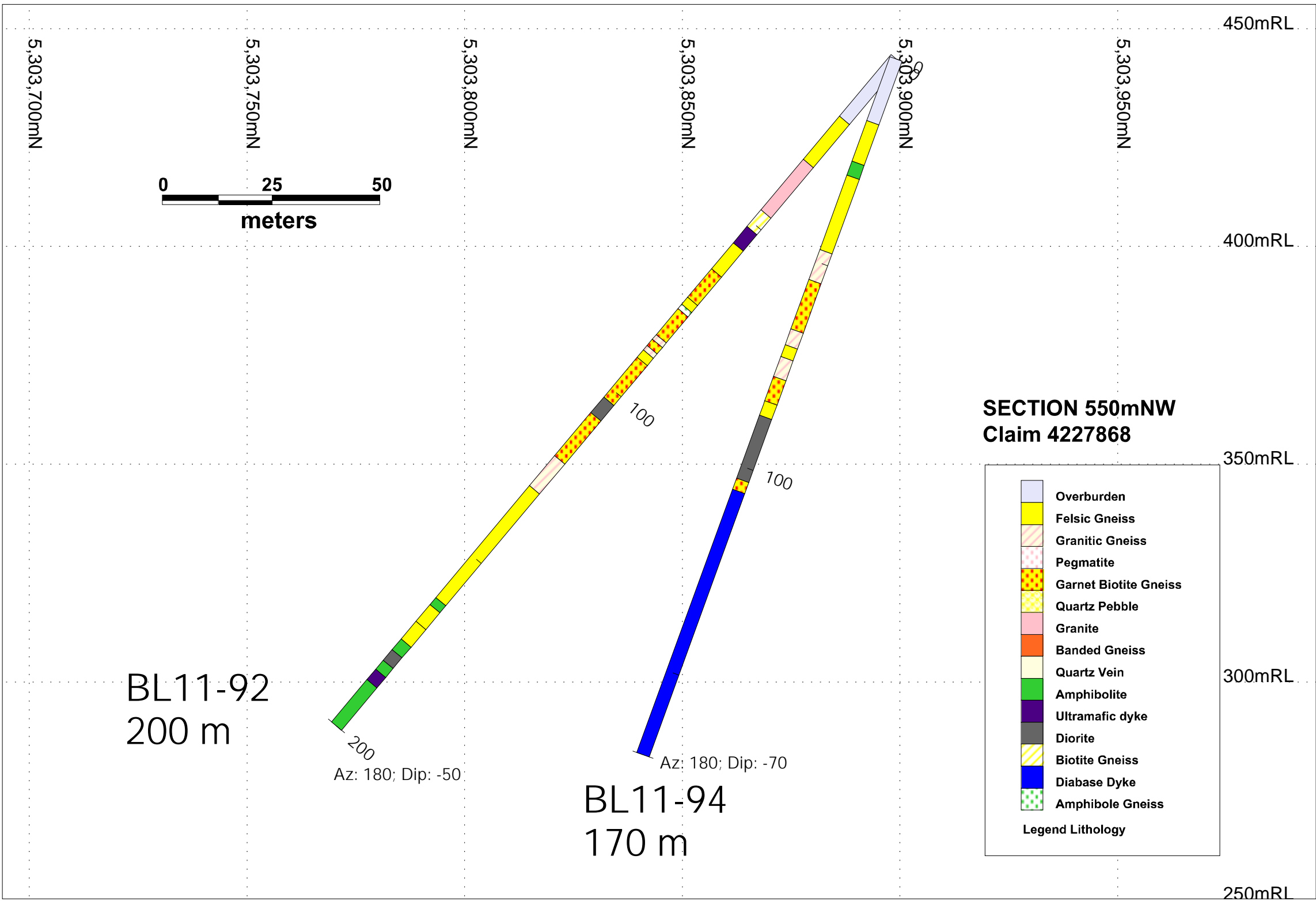
350mRL

300mRL

250mRL

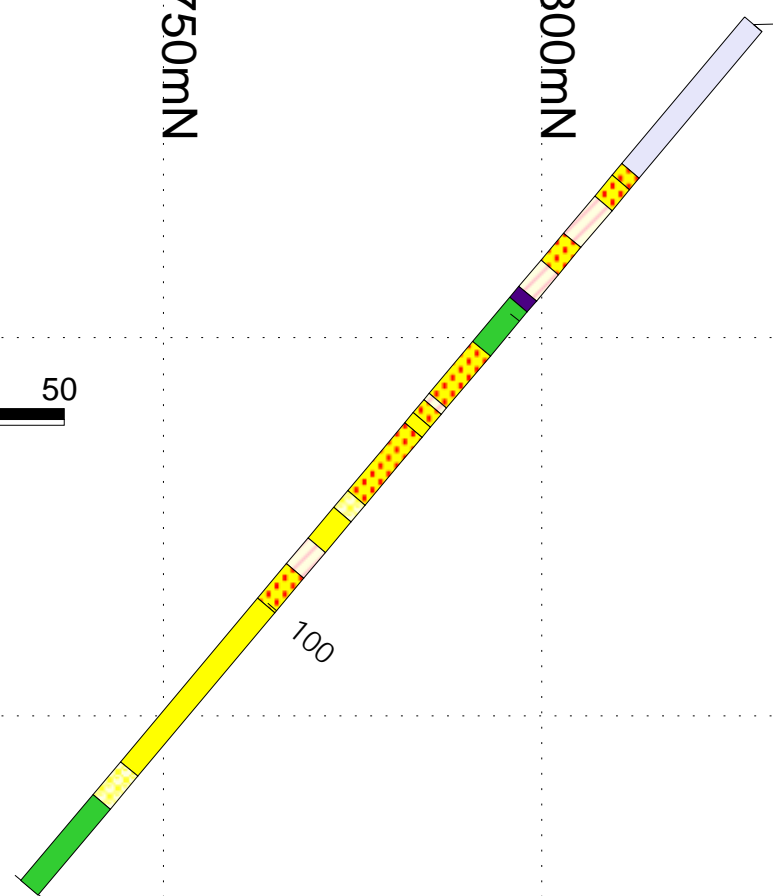
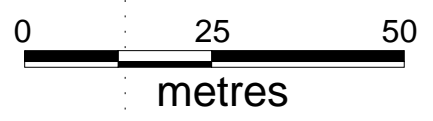
200mRL



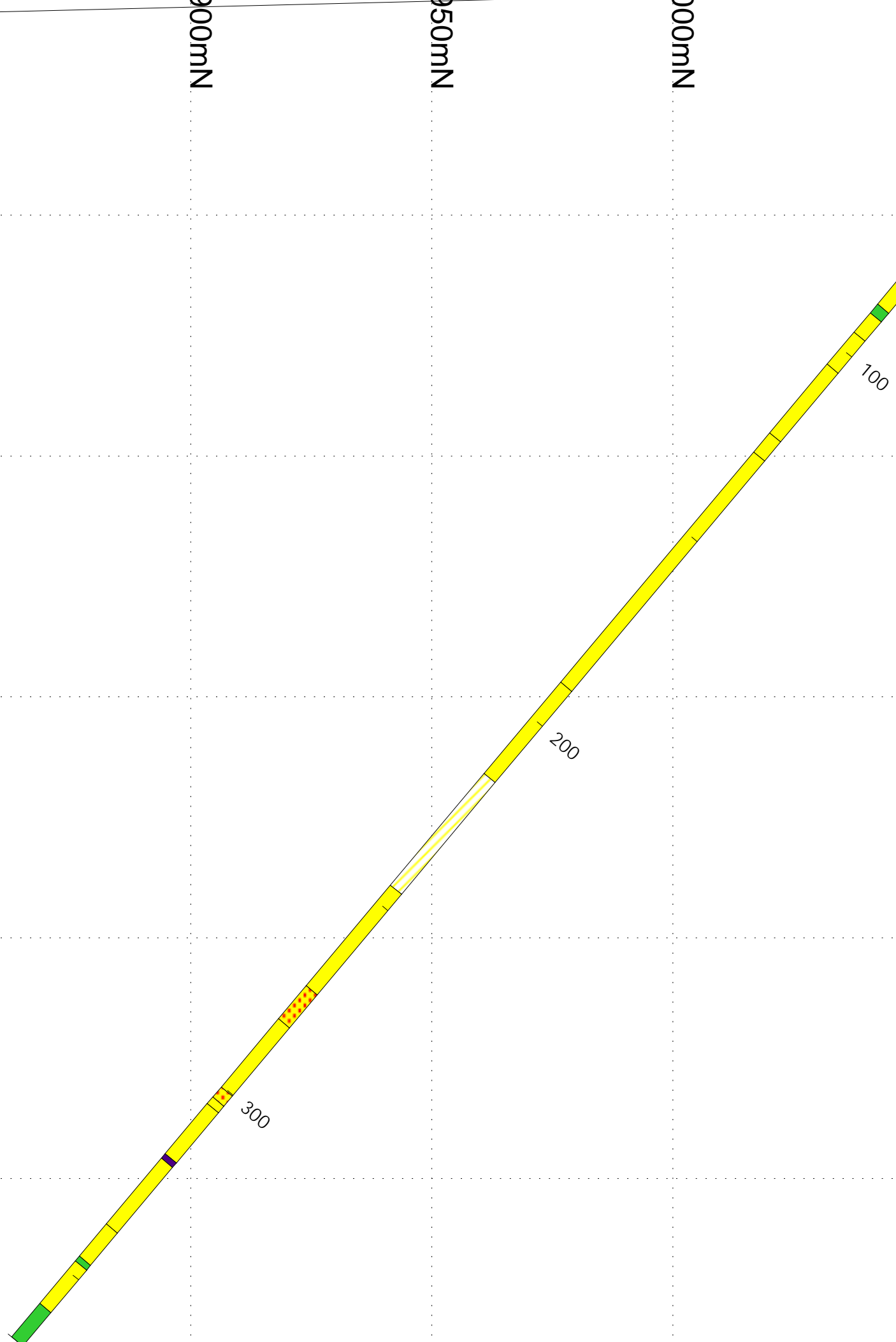


5,303,700mN
 5,303,750mN
 5,303,800mN
 5,303,850mN
 5,303,900mN
 5,303,950mN
 5,304,000mN
 5,304,050mN
 5,304,100mN
 5,304,150mN
 5,304,200mN

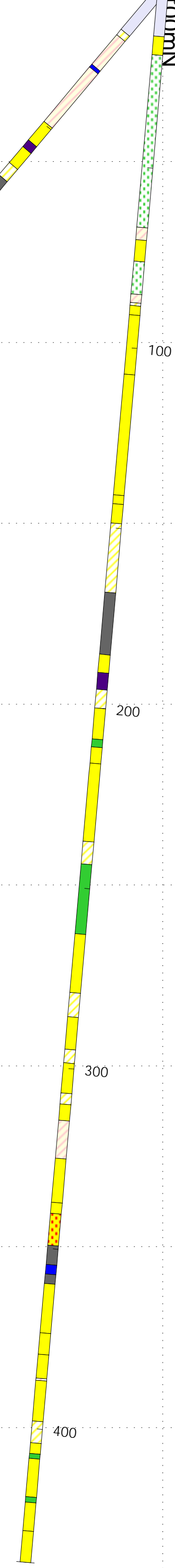
450mRL
 400mRL
 350mRL
 300mRL
 250mRL
 200mRL
 150mRL
 100mRL
 50mRL
 0mRL



Az: 180; Dip: -50
BL11-72
 149.1 m



Az: 180; Dip: -50
BL11-103
 368 m

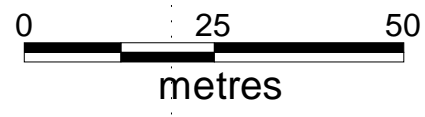


BL11-105
 437 m
 Az: 180; Dip: -85

SECTION 500mNW
Claim 4227868

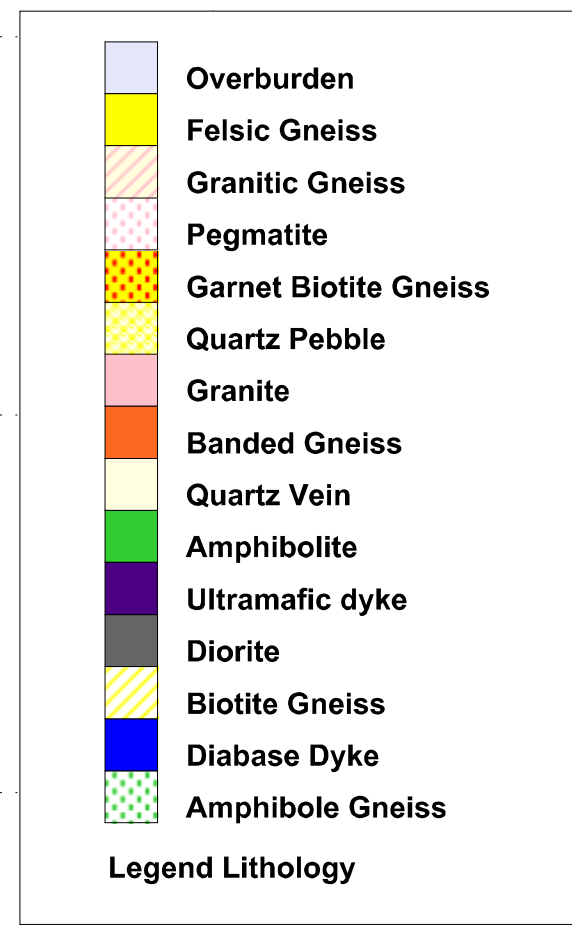
- Overburden
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic dyke
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss
- Legend Lithology

5,303,700mN
 5,303,750mN
 5,303,800mN
 5,303,850mN
 5,303,900mN
 5,303,950mN



450mRL
 400mRL
 350mRL
 300mRL
 250mRL

**SECTION 450mNW
 Claim 4227868**



Az: 180; Dip: -50
BL11-96
 212 m

Az: 180; Dip: -70
BL11-97
 200 m

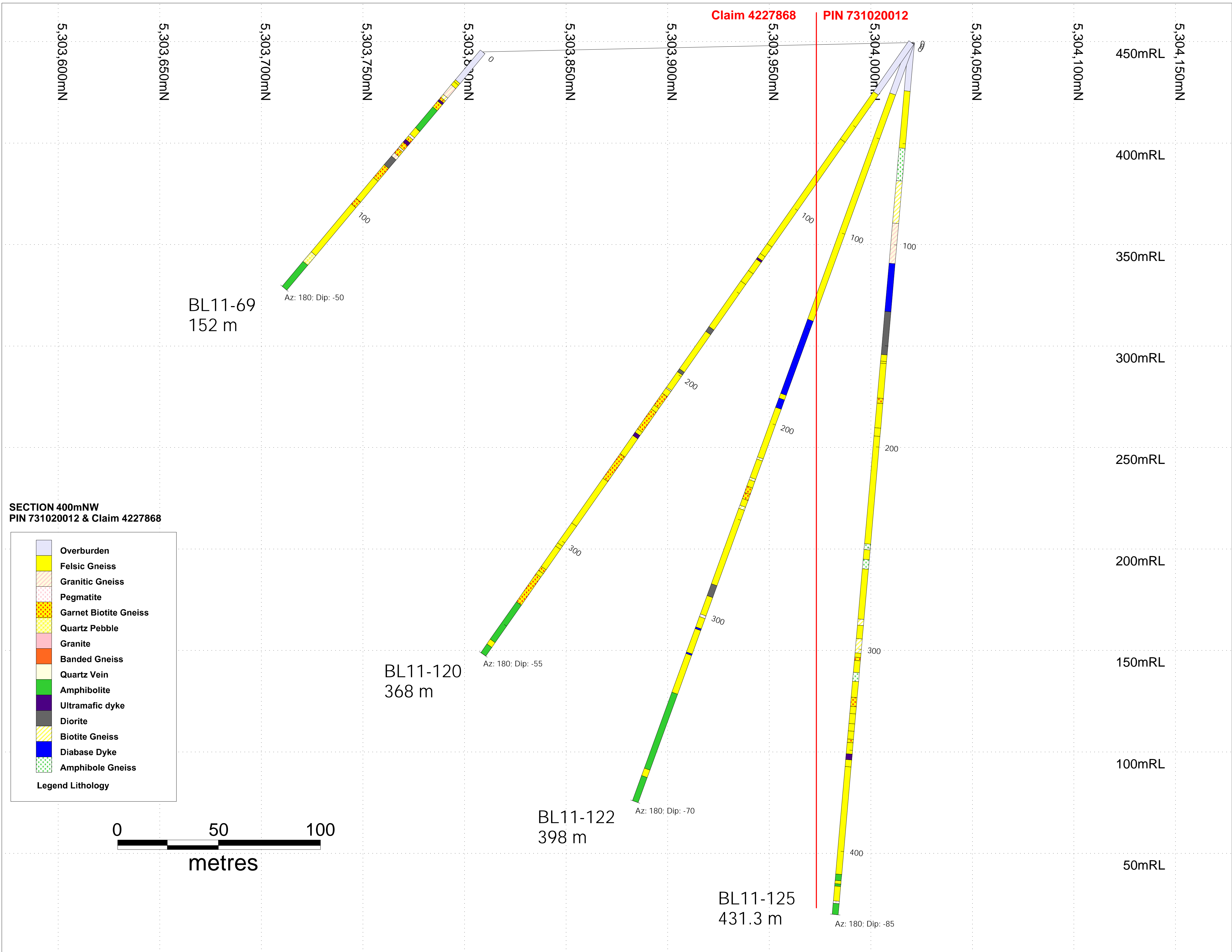
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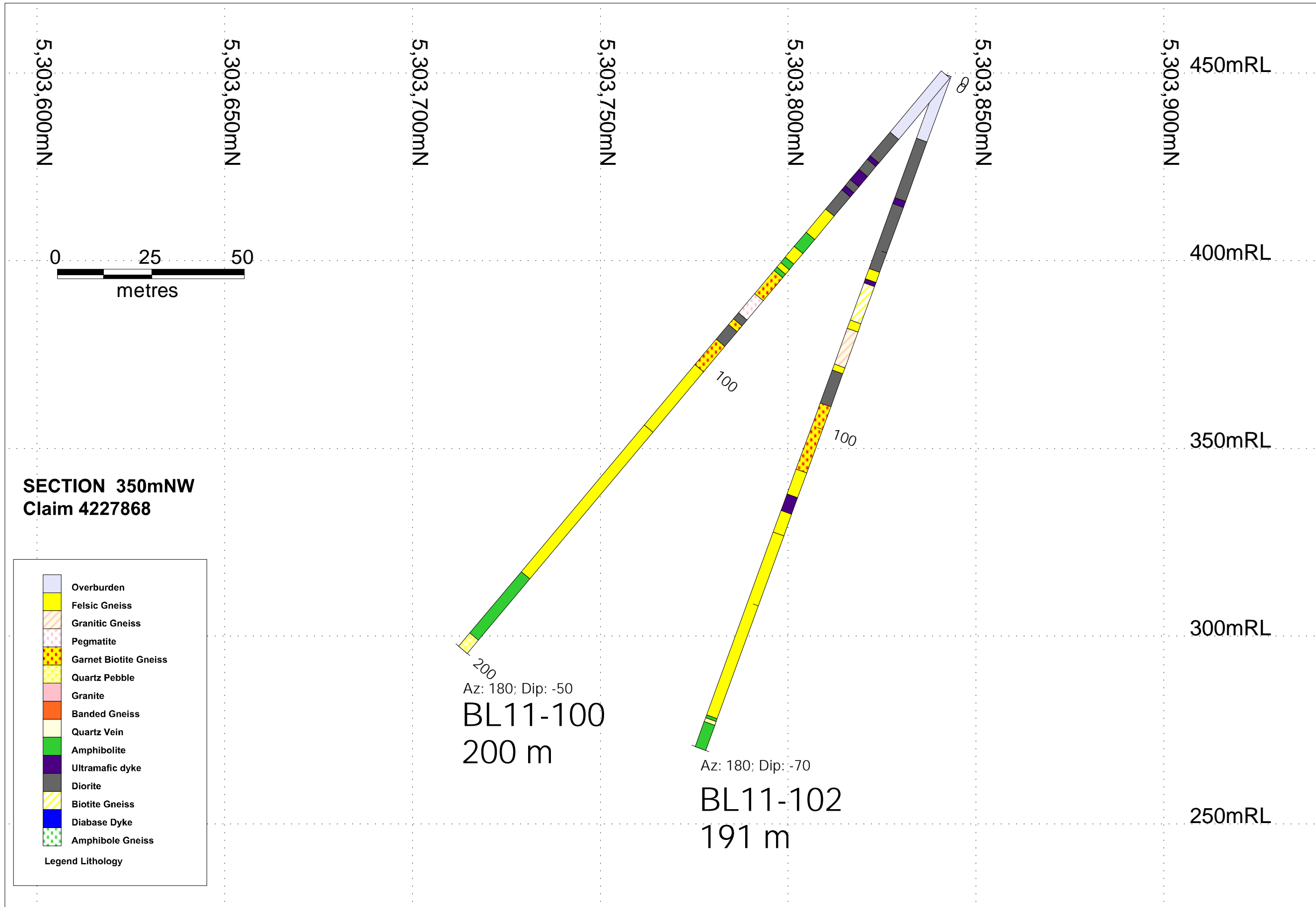
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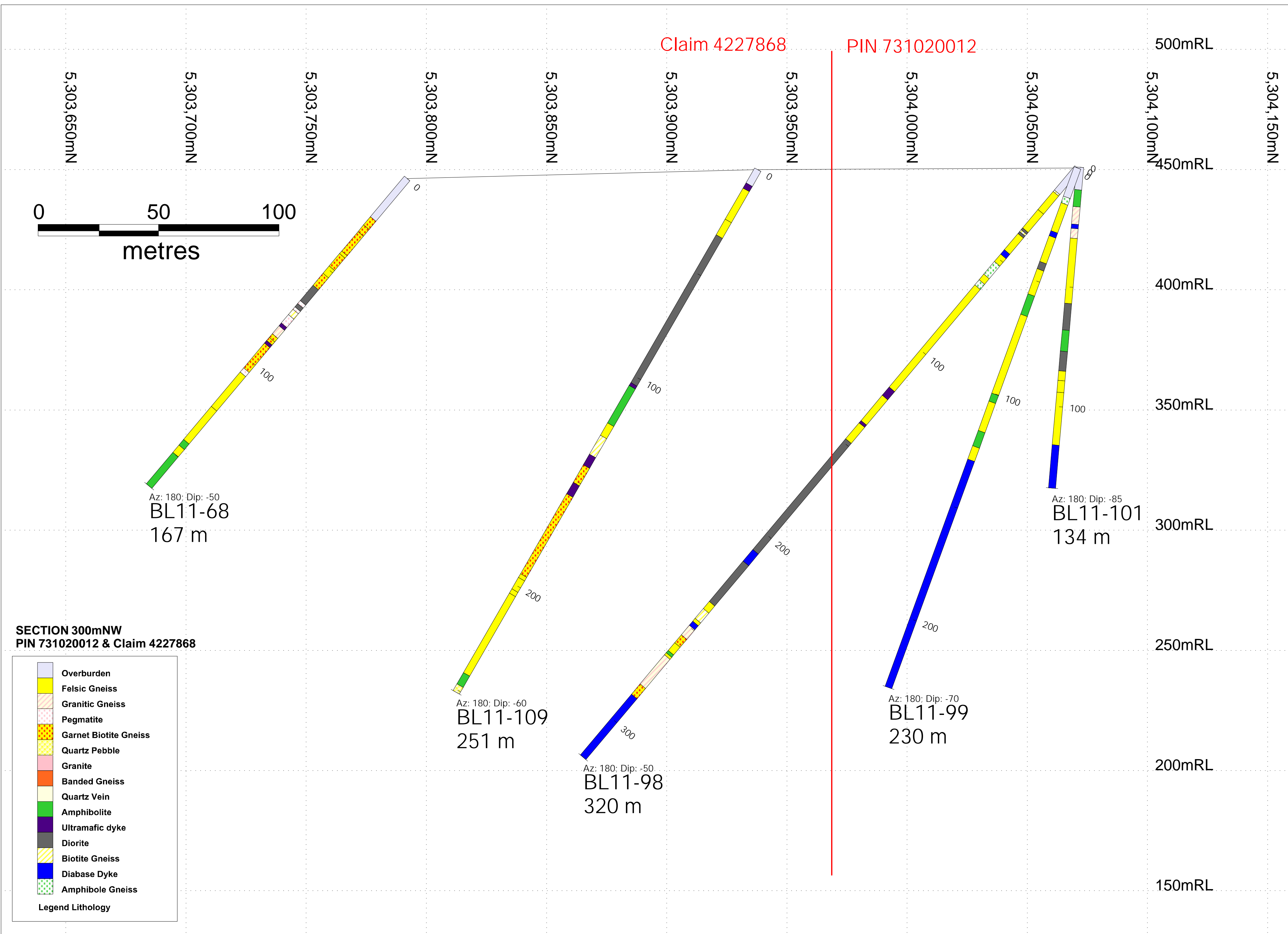
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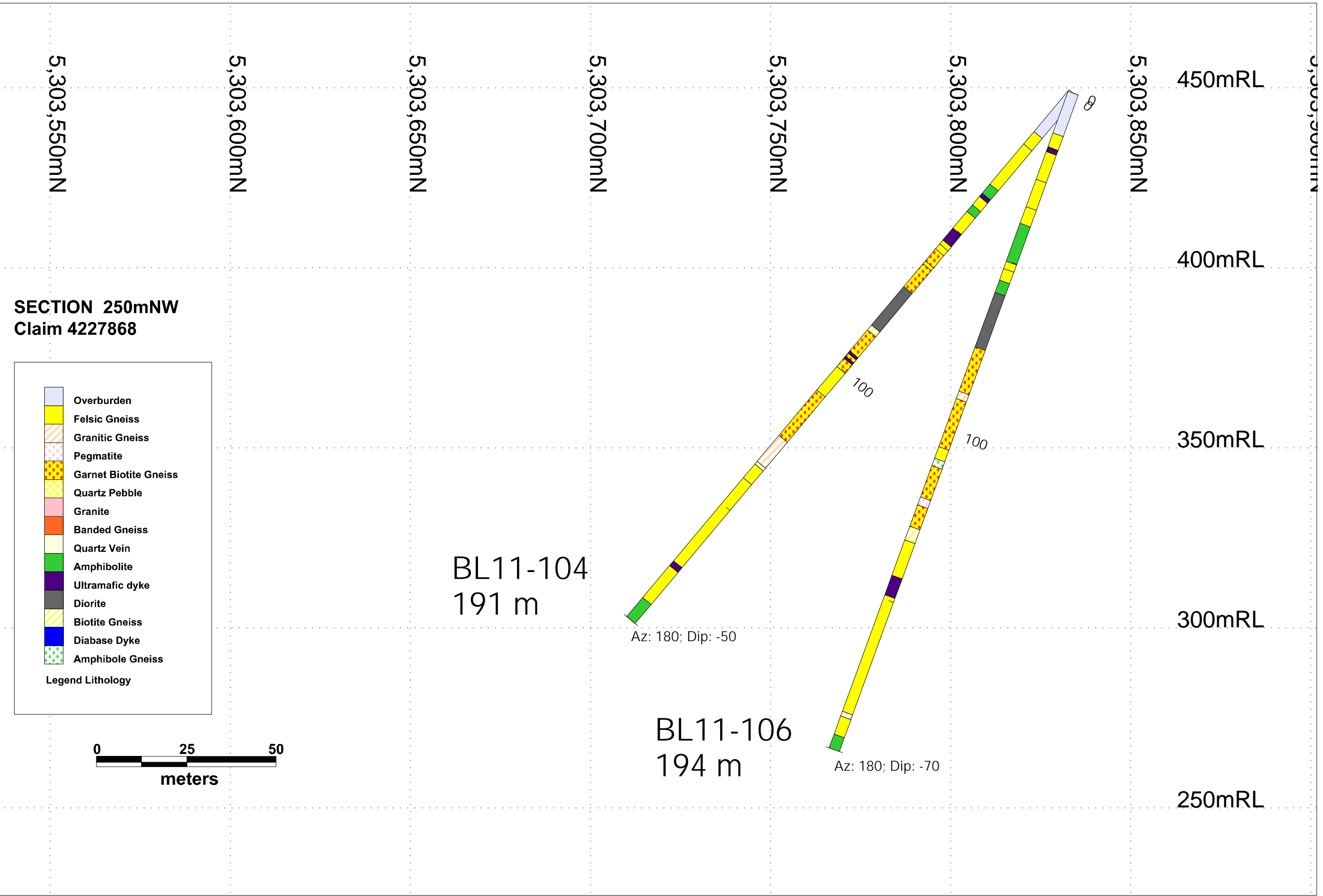
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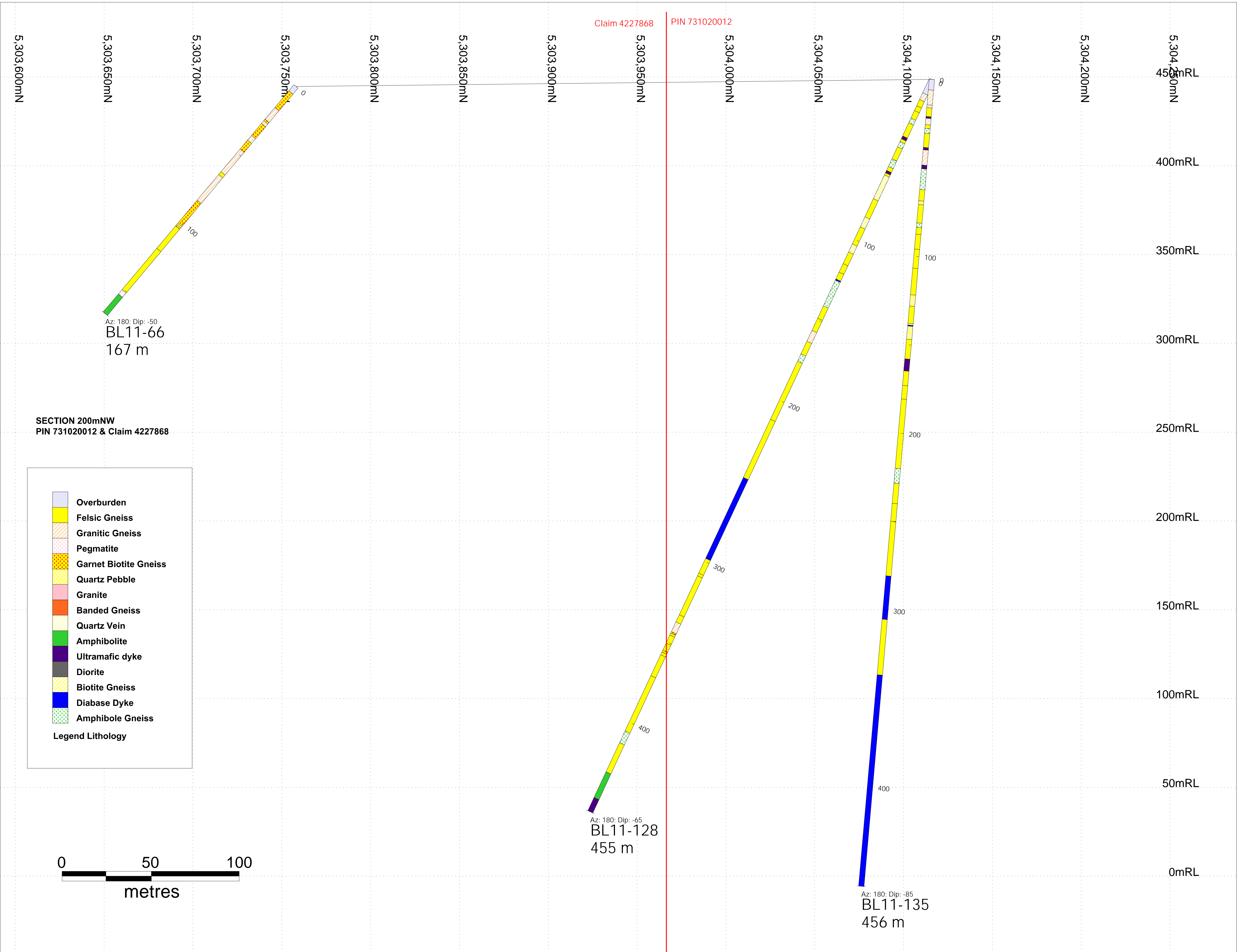
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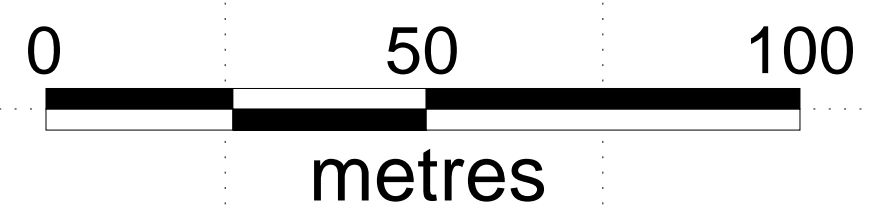




SECTION 200mNW
PIN 731020012 & Claim 4227868

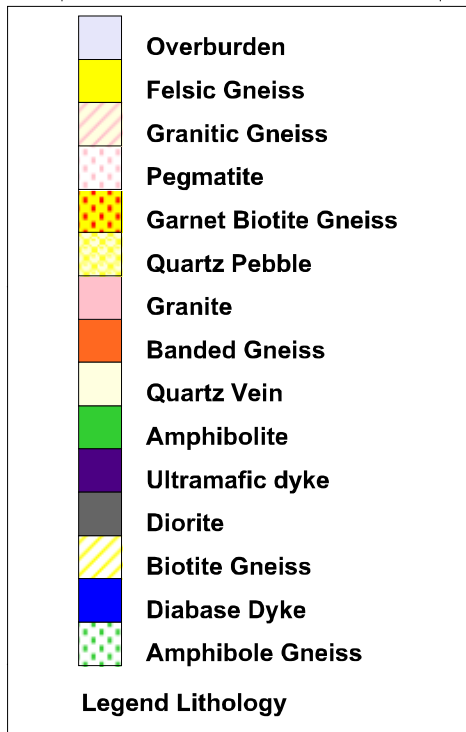
Legend Lithology

- Overburden
- Felsic Gneiss
- Granitic Gneiss
- Pegmatite
- Garnet Biotite Gneiss
- Quartz Pebble
- Granite
- Banded Gneiss
- Quartz Vein
- Amphibolite
- Ultramafic dyke
- Diorite
- Biotite Gneiss
- Diabase Dyke
- Amphibole Gneiss

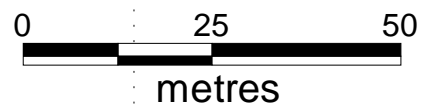


5,303,550mN
 5,303,600mN
 5,303,650mN
 5,303,700mN
 5,303,750mN
 5,303,800mN
 5,303,850mN

450mRL
 400mRL
 350mRL
 300mRL

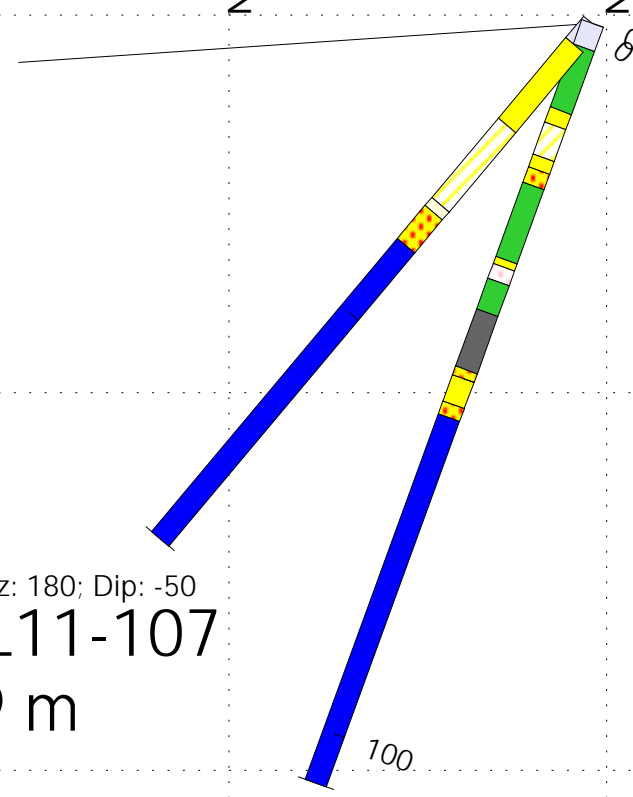


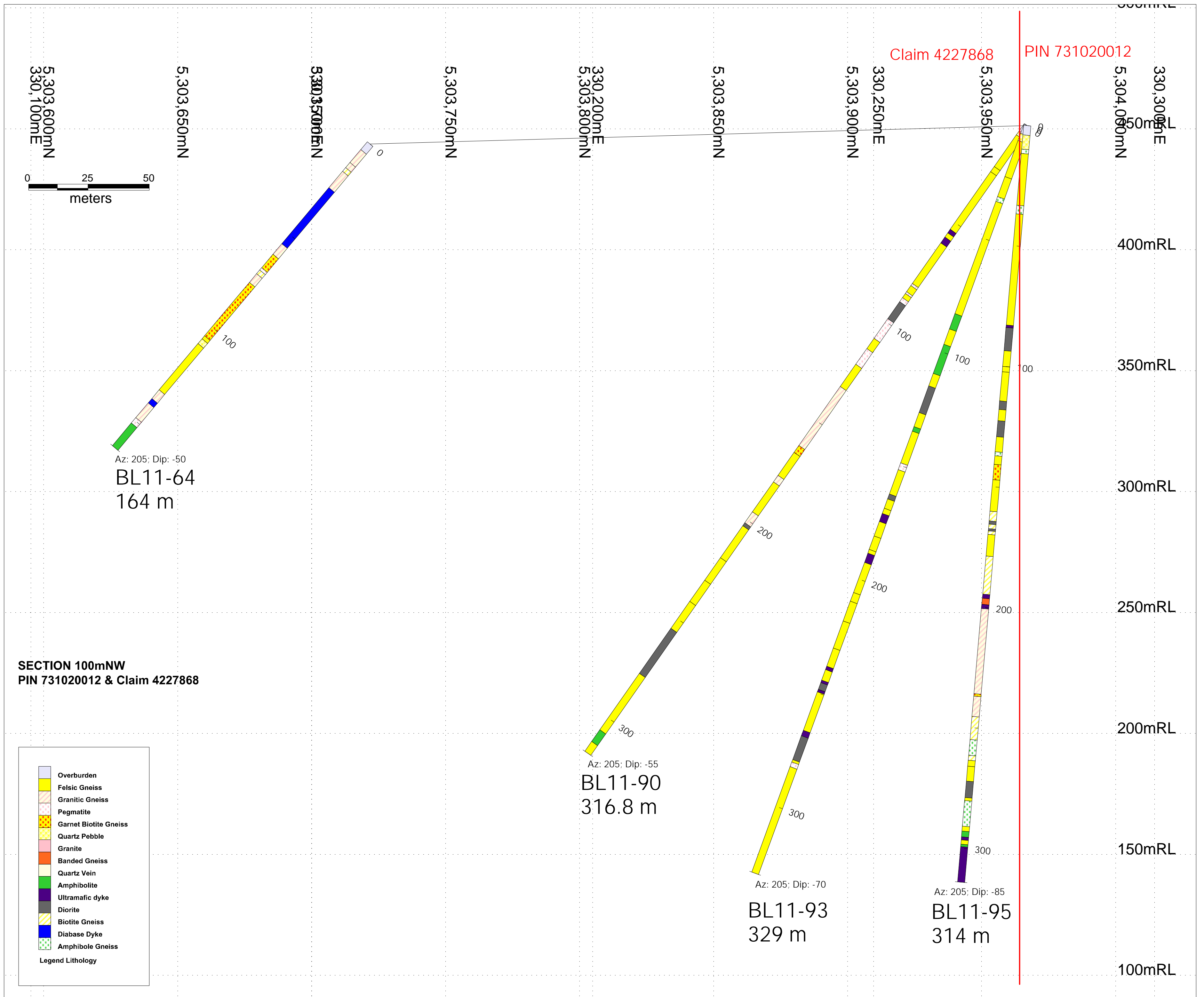
SECTION 150mNW
Claim 4227868

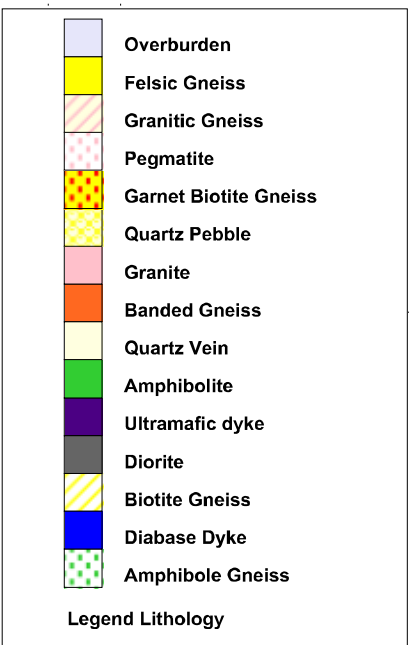


Az: 180; Dip: -50
BL11-107
 89 m

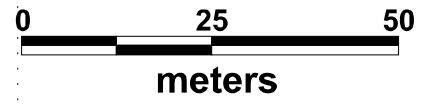
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BL11-108
 107 m







**SECTION 50mNW
Claim 4227868**

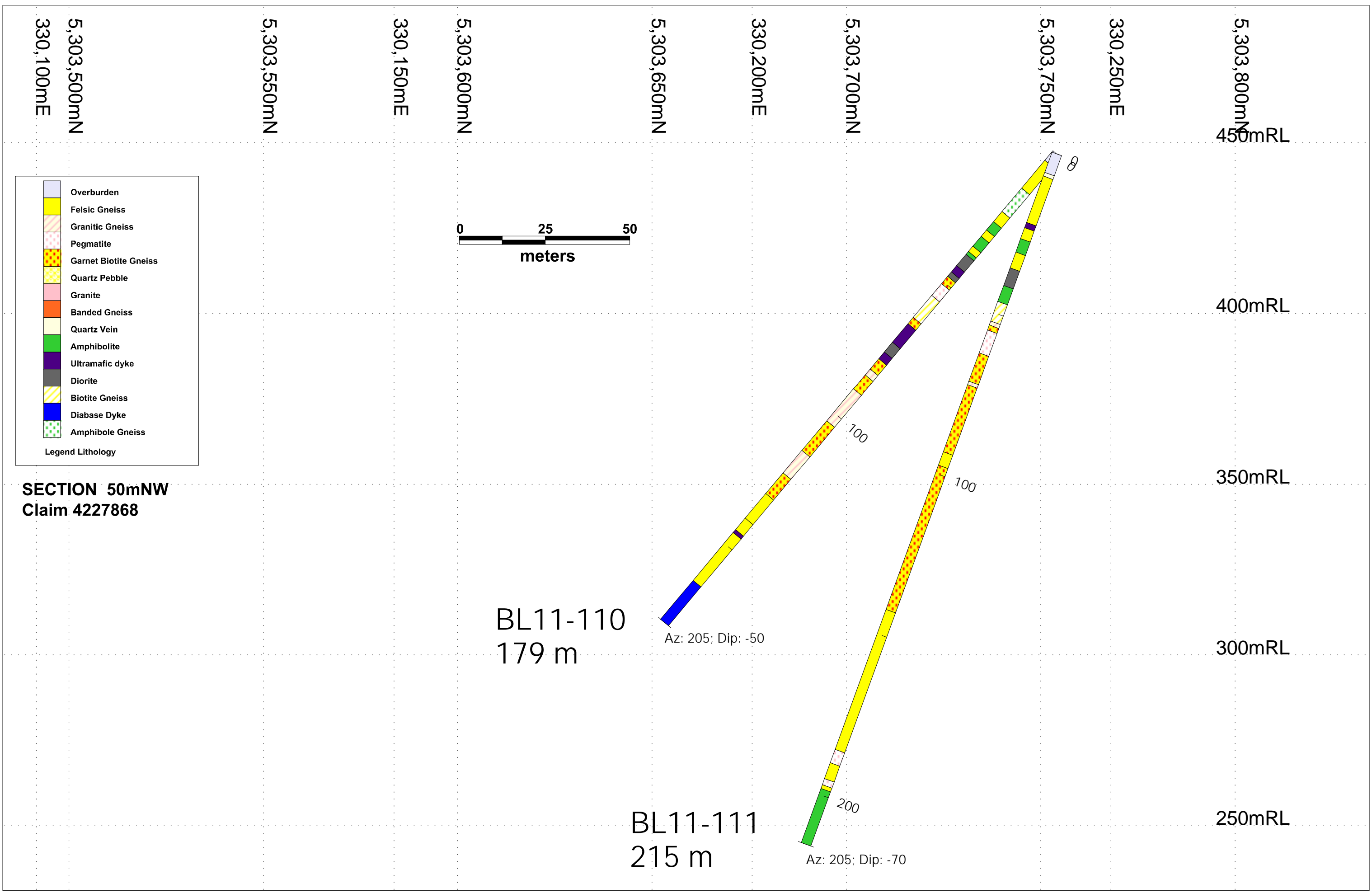


BL11-110
179 m

Az: 205; Dip: -50

BL11-111
215 m

Az: 205; Dip: -70



5 303,500mN

5 303,200mE
5 303,600mN

5 303,700mN

330,300mE

5 303,800mN

5 303,900mN

330,400mE
450mRL

400mRL

350mRL

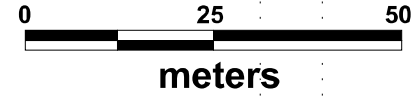
300mRL

250mRL

200mRL

150mRL

100mRL

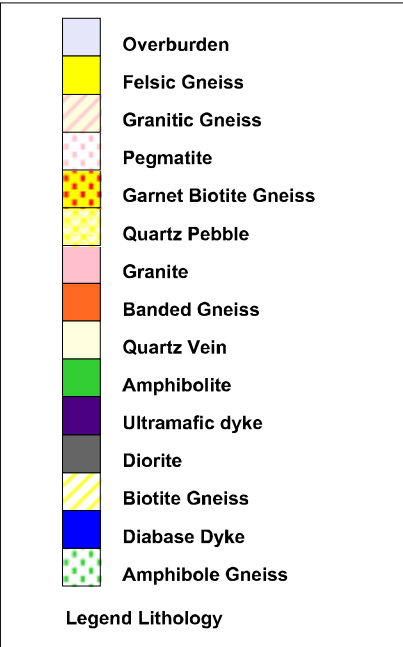


Az: 205; Dip: -50
BL11-62
155 m

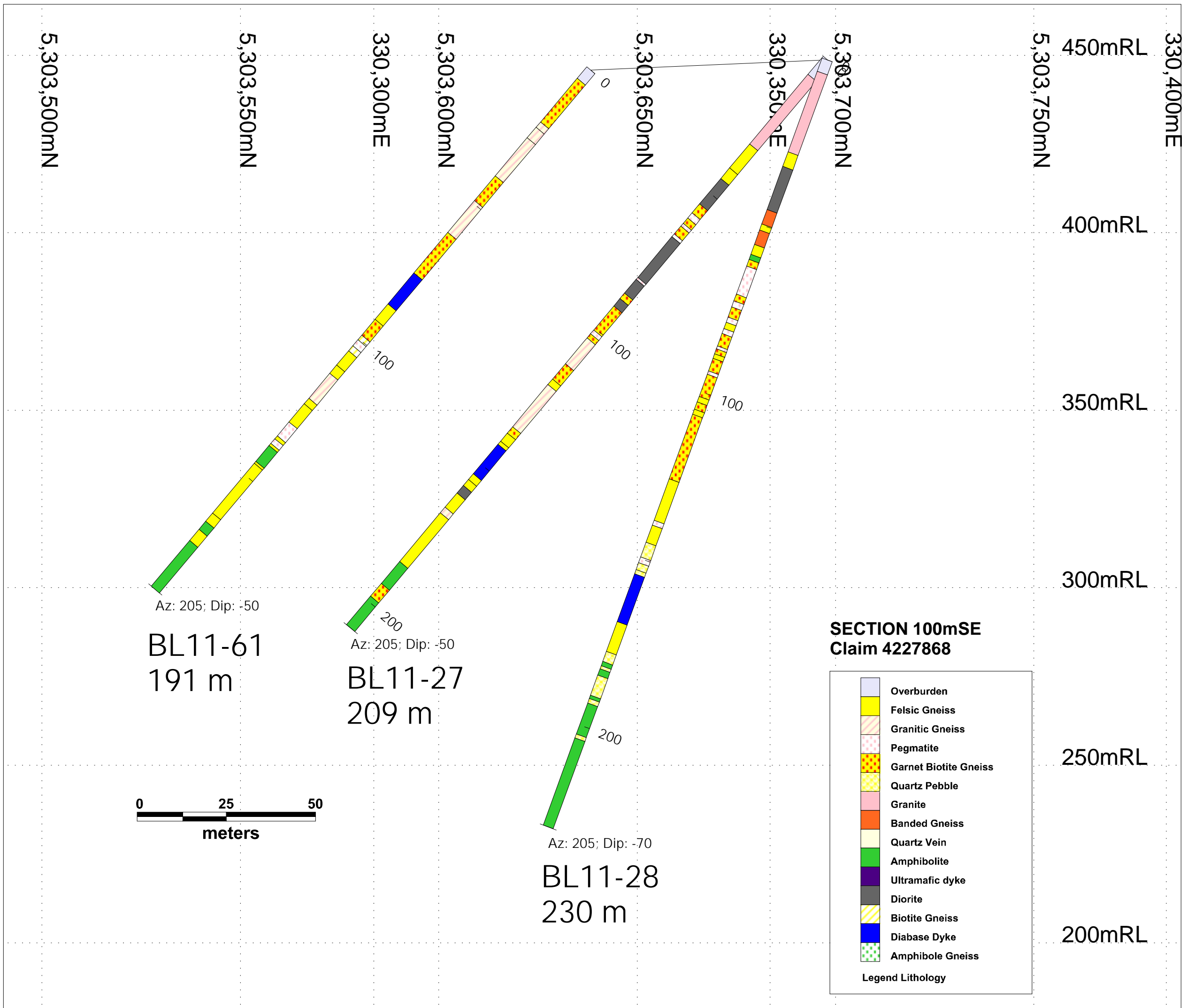
Az: 205; Dip: -50
BL11-Met
200 m

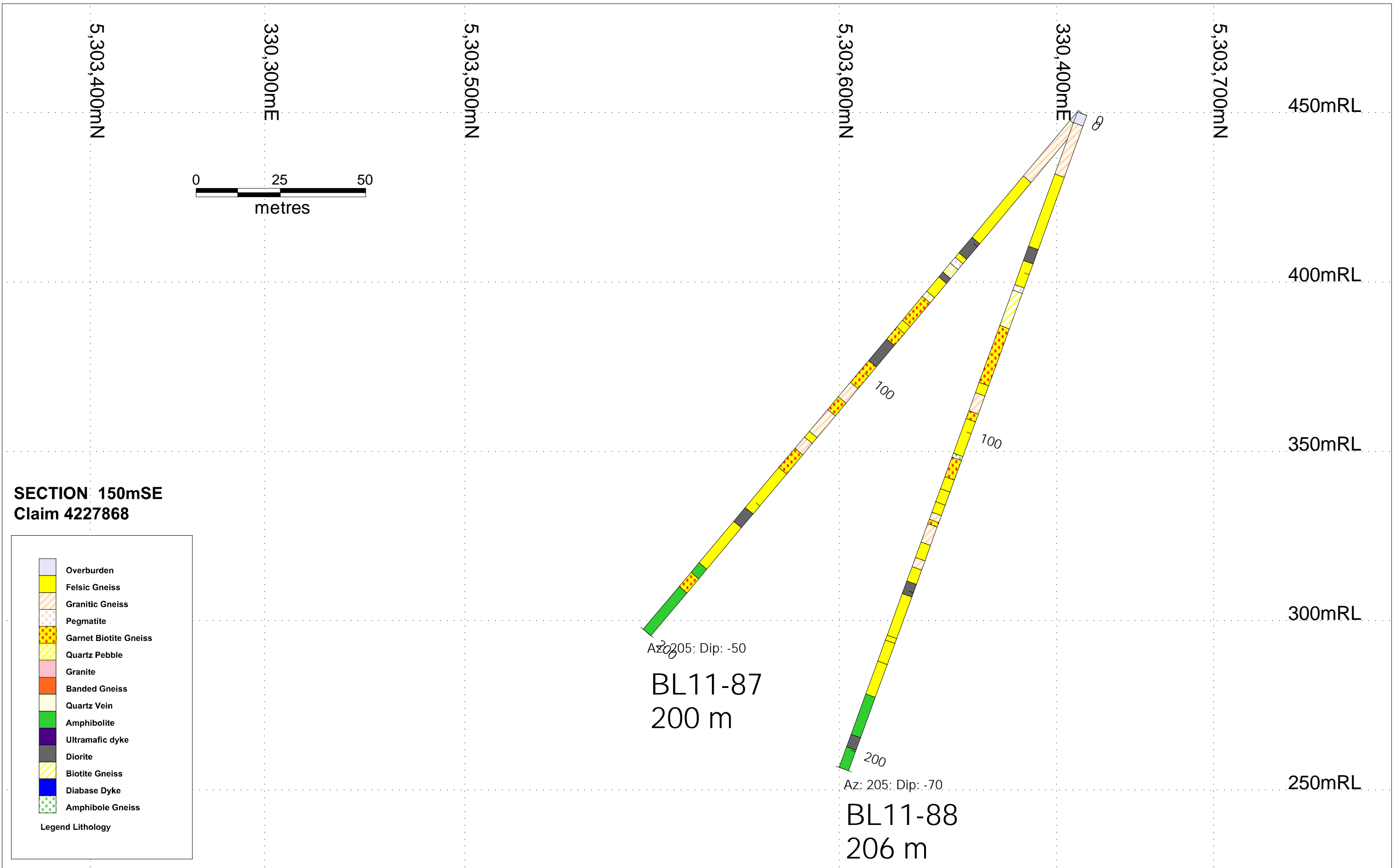
Az: 205; Dip: -50
BL11-140
353.6 m

Az: 205; Dip: -70
BL11-26
364 m



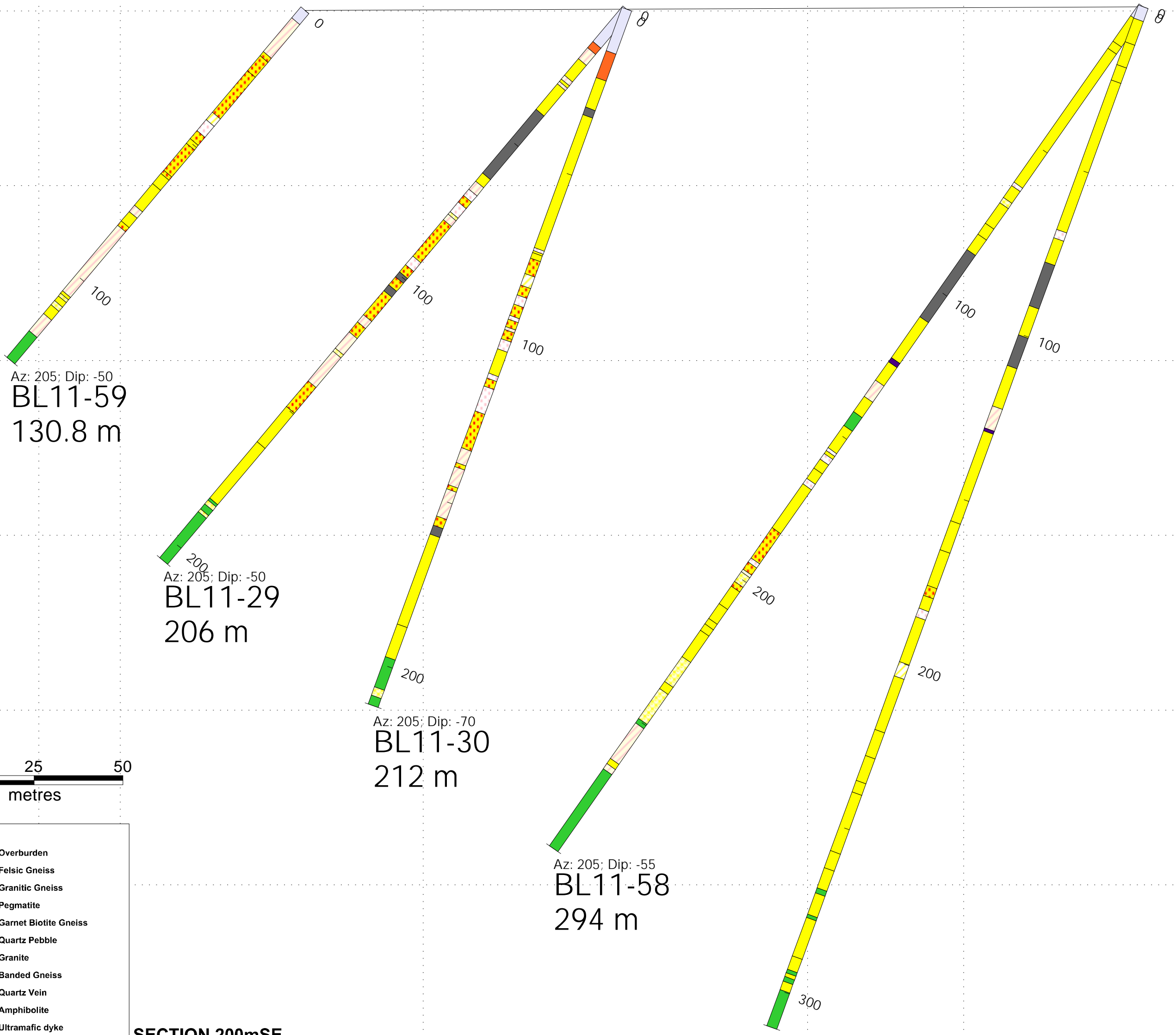
SECTION 0m NW
Claim 4227868





5,303,500mN
330,400mE
5,303,600mN
5,303,700mN
330,500mE
5,303,800mN

450mRL
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL



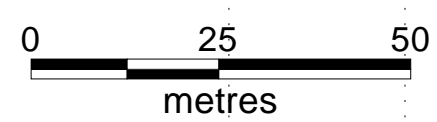
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BL11-59
130.8 m

Az: 205; Dip: -50
BL11-29
206 m

Az: 205; Dip: -70
BL11-30
212 m

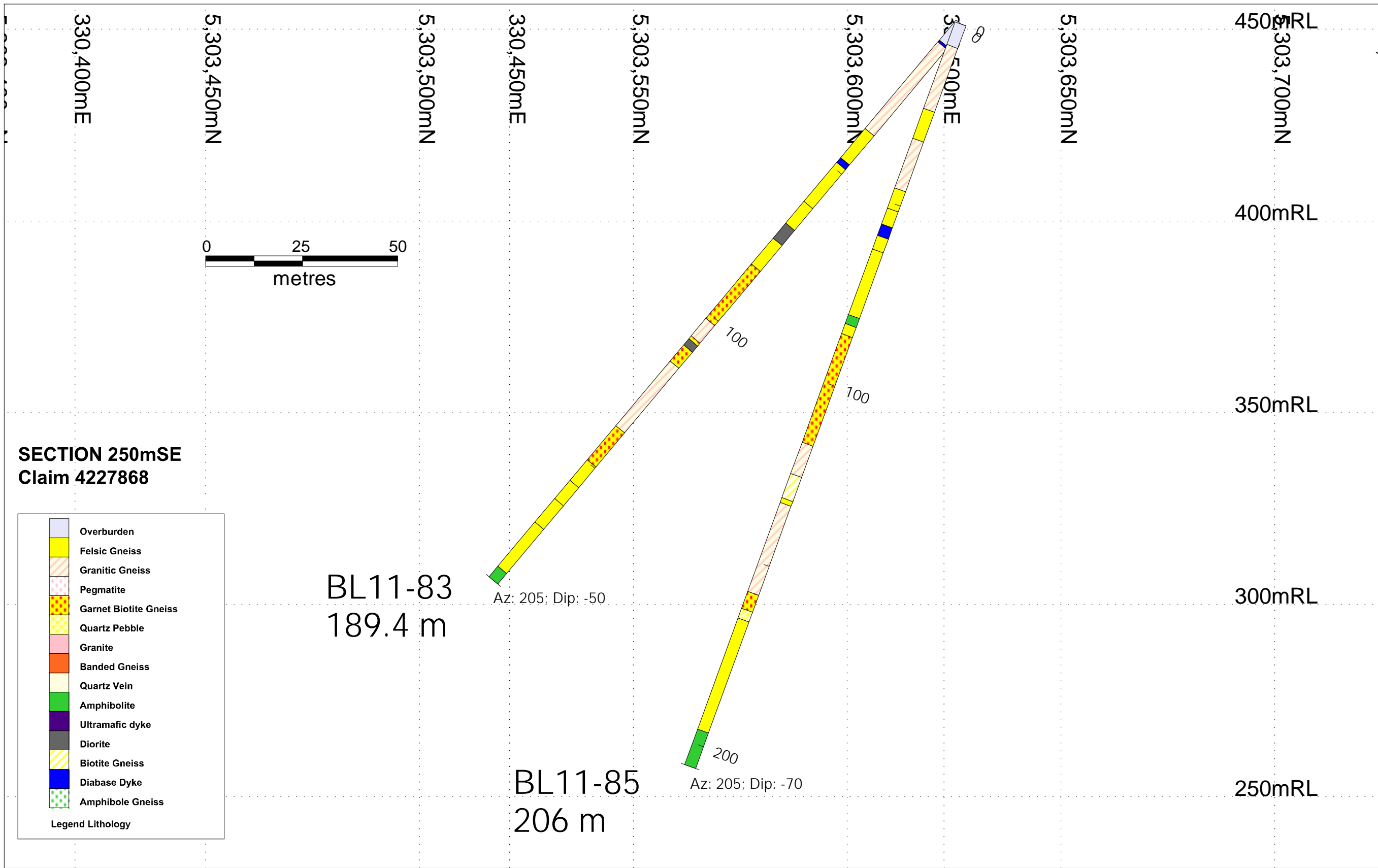
Az: 205; Dip: -55
BL11-58
294 m

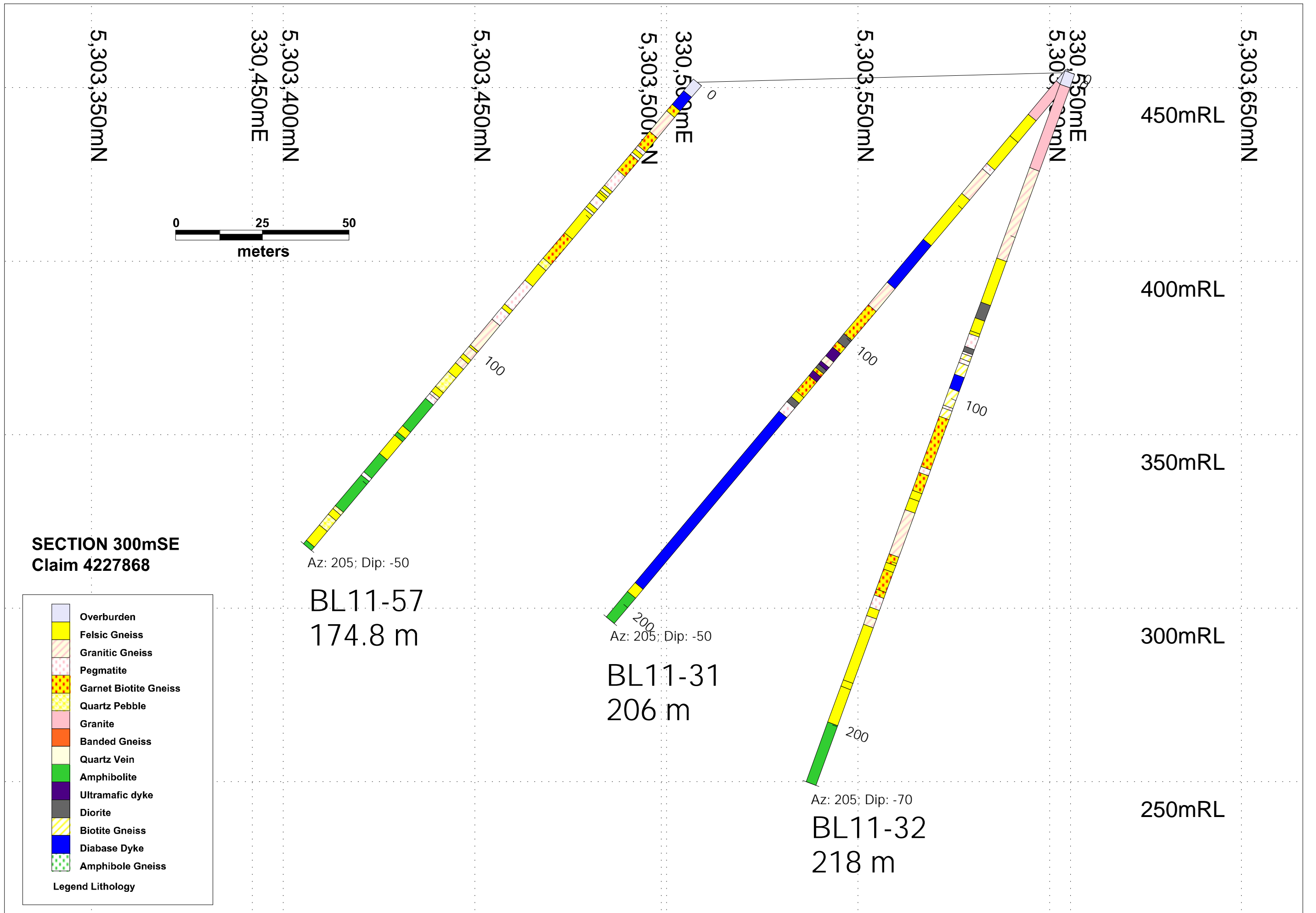
Az: 205; Dip: -70
BL11-60
310.7 m



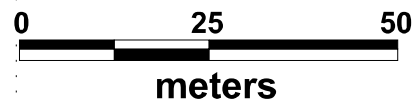
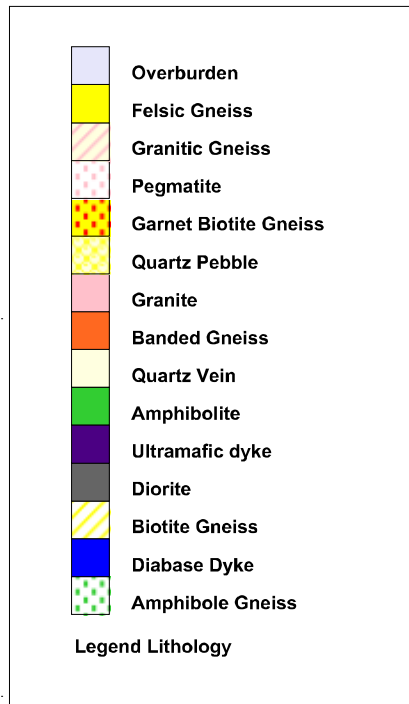
- Legend Lithology**
- Overburden
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic dyke
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss

SECTION 200mSE
Claim 4227868





SECTION 350mSE
Claim 4227868

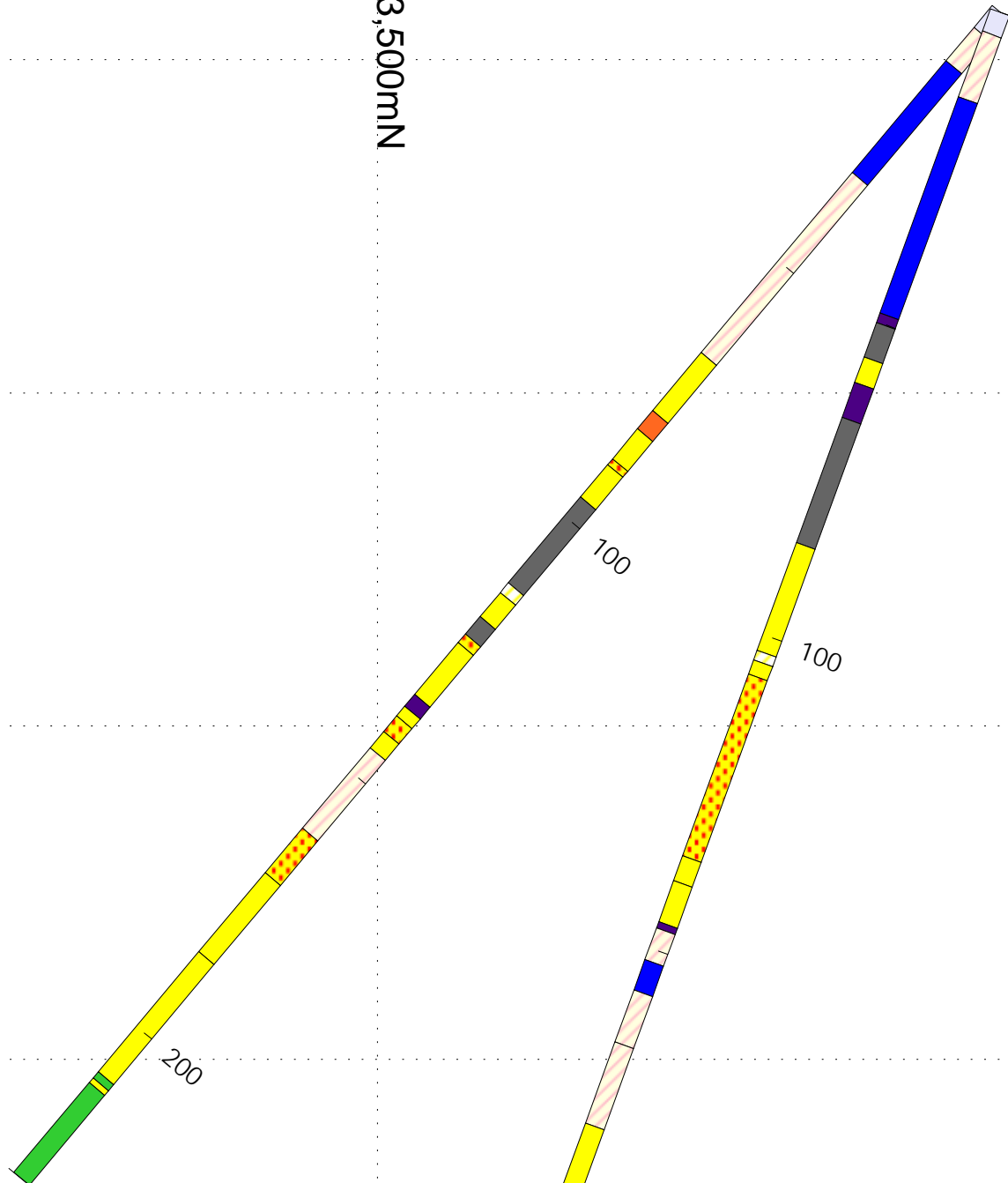


5,303,300mN
330,500mE
5,303,400mN
5,303,500mN
330,600mE
5,303,600mN

450mRL
400mRL
350mRL
300mRL
250mRL

BL11-81
228.6 m

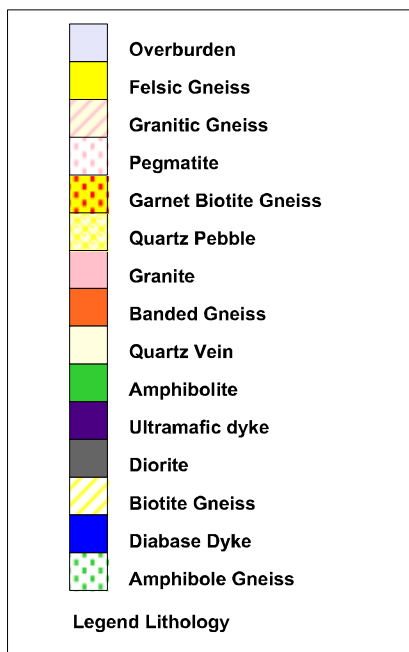
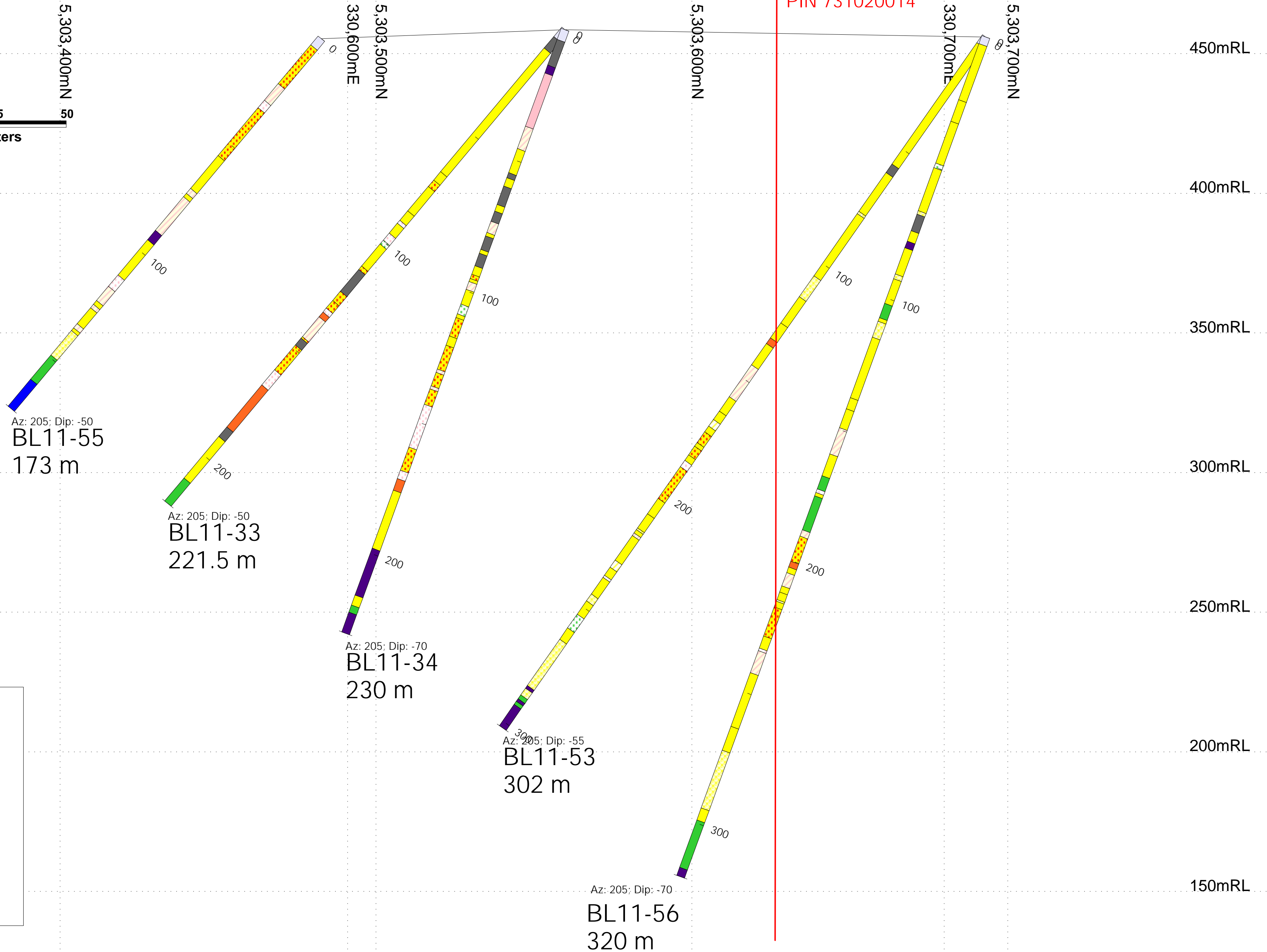
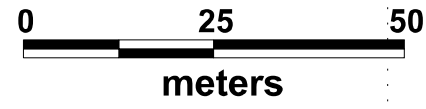
Az: 205; Dip: -50



BL11-82
227 m

Az: 205; Dip: -70

Claim 4227868 PIN 731020014



SECTION 400mSE
Claim 4227868 & PIN 731020014

5,303,300mN

330,600mE

5,303,400mN

5,303,500mN

330,700mE

5,303,600mN

450mRL

400mRL

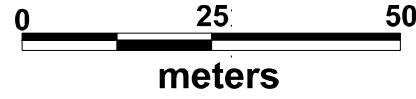
350mRL

300mRL

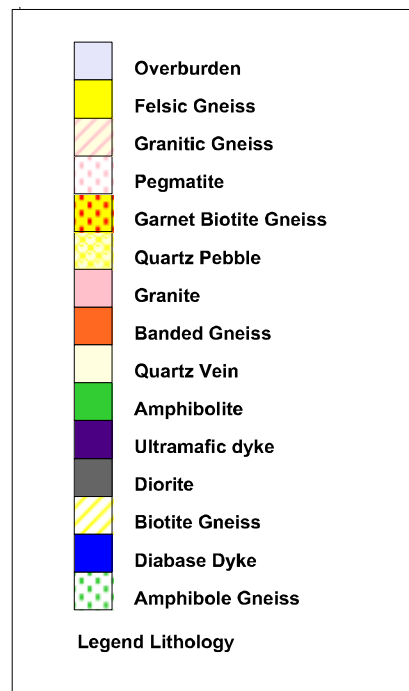
250mRL

Claim 4227868

PIN 731020014



SECTION 450mSE
PIN 731020014 & Claim 4227868



BL11-77
221 m

Az: 205; Dip: -50

BL11-79
221 m

Az: 205; Dip: -70

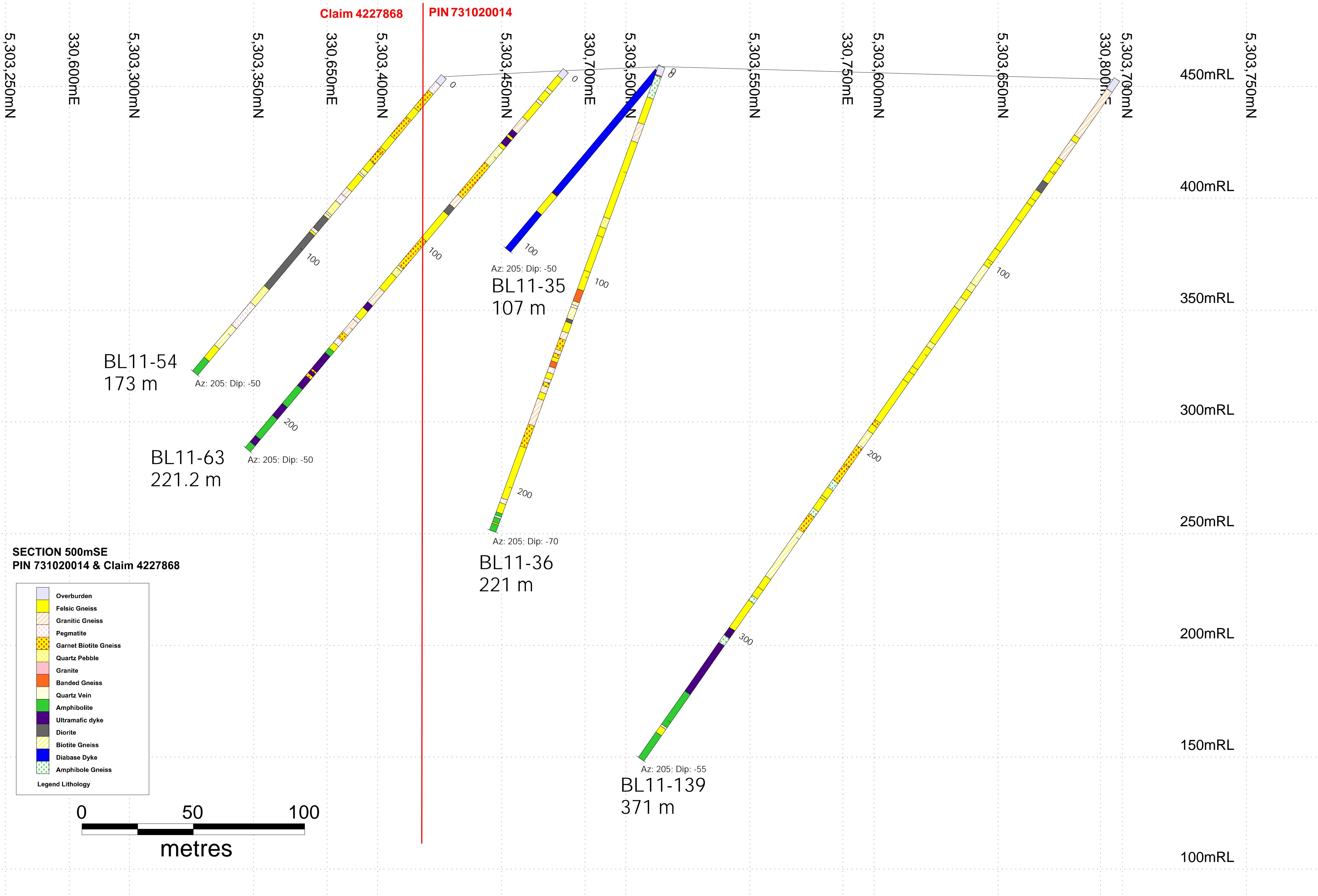
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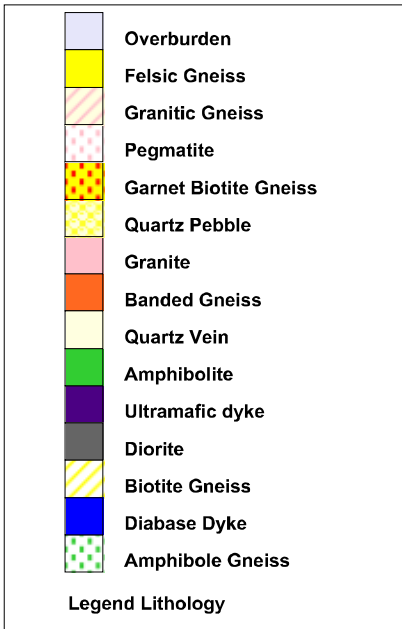
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200

200

0





SECTION 550mSE
PIN 731020014

5,303,300mN

330,700mE

5,303,400mN

5,303,500mN

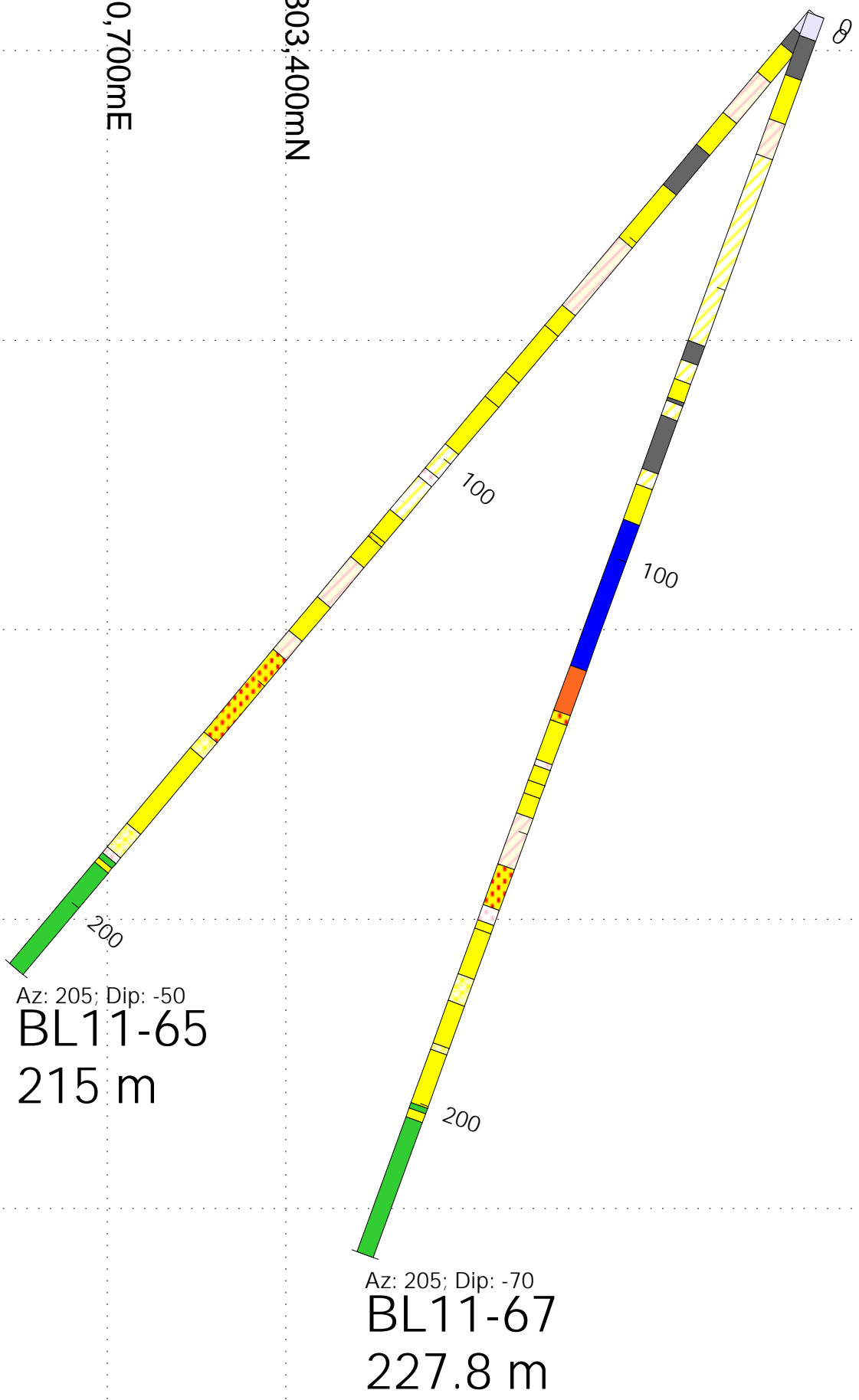
450mRL

400mRL

350mRL

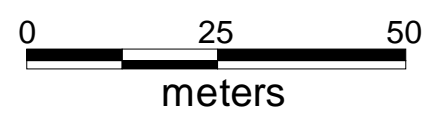
300mRL

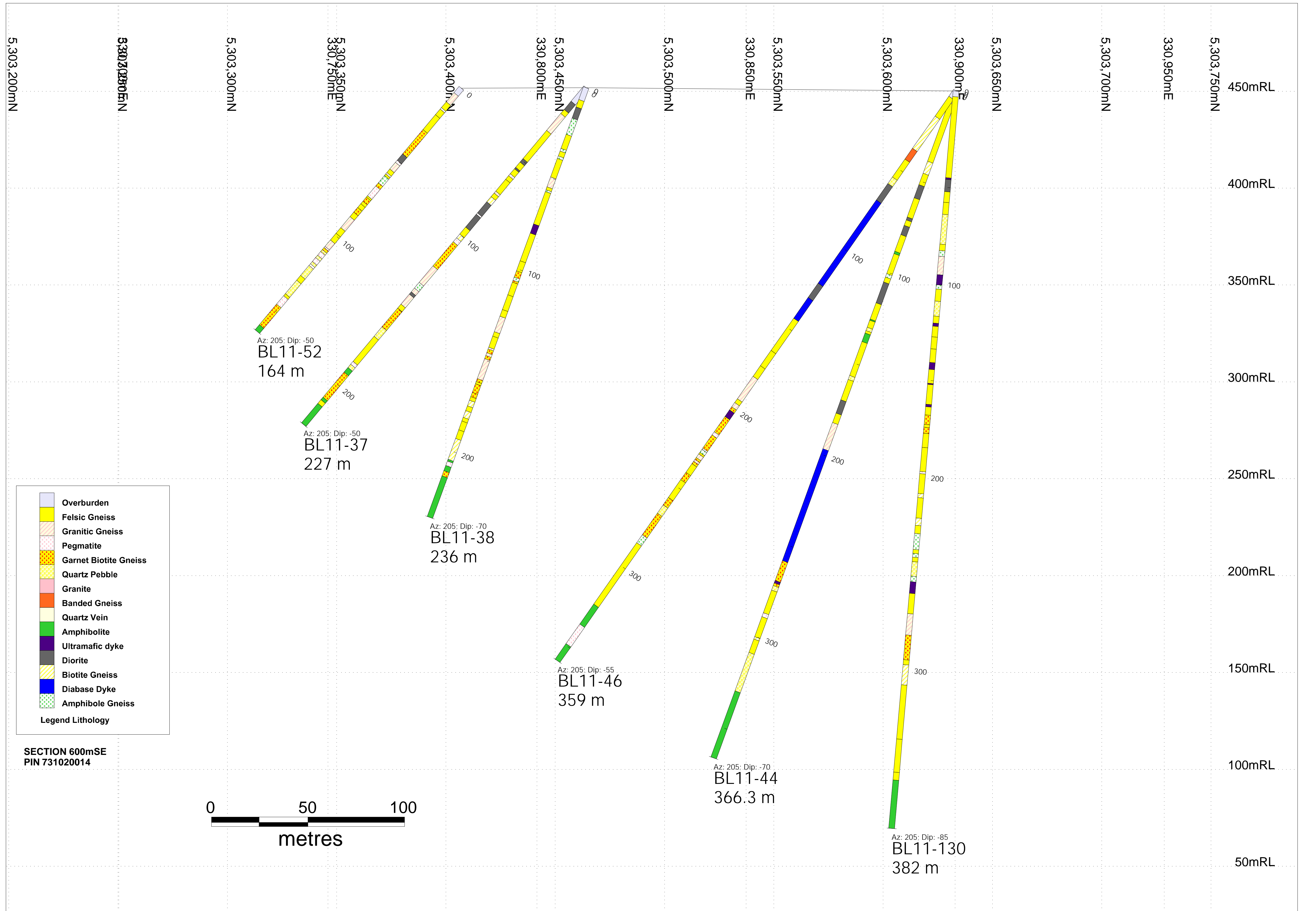
250mRL

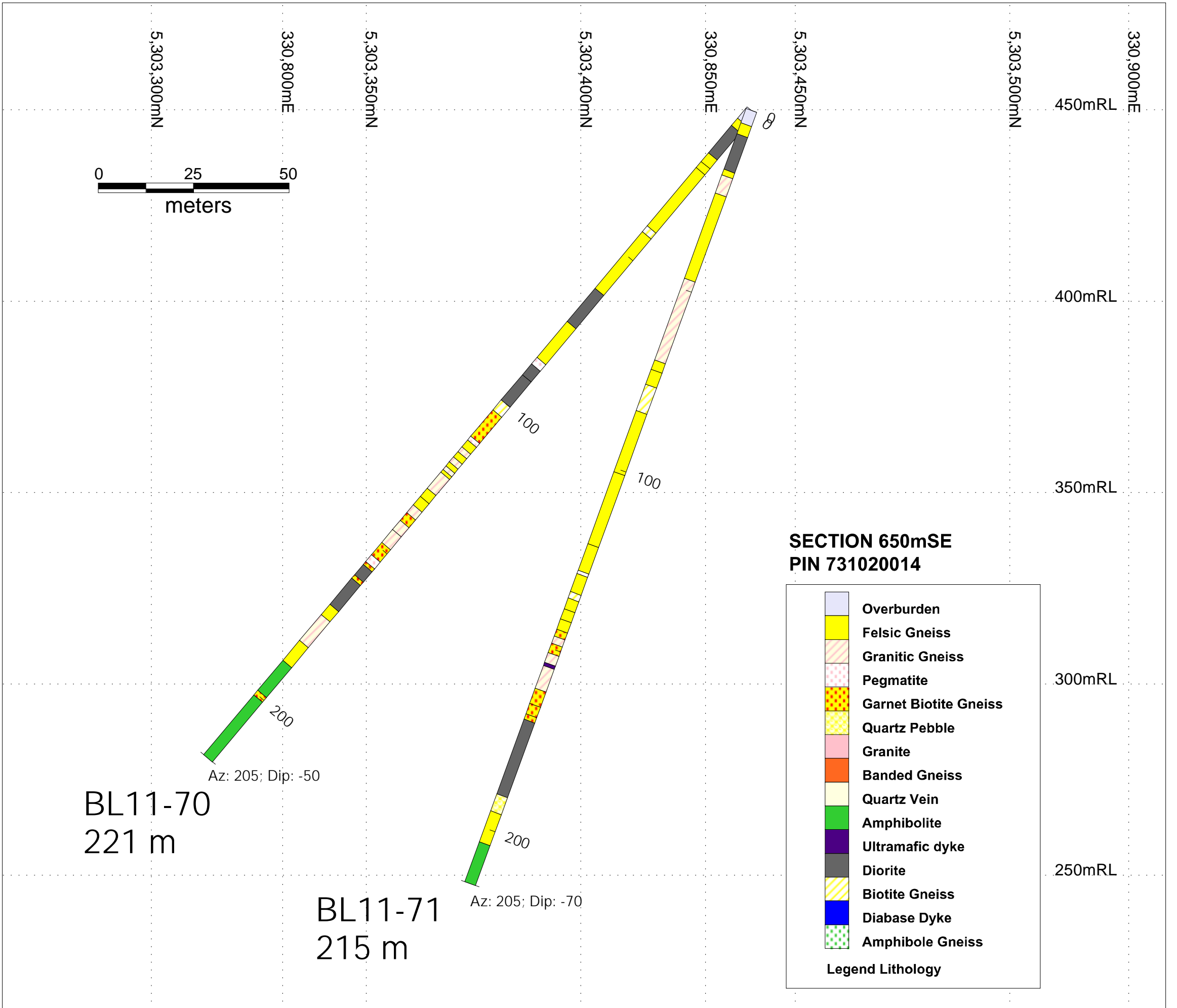


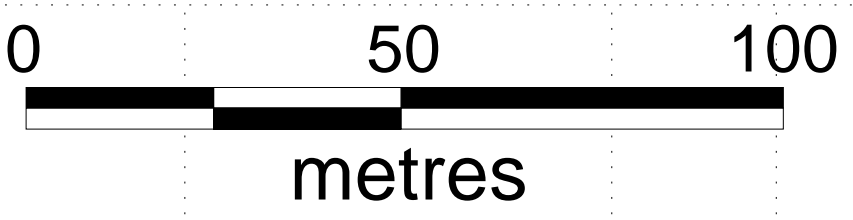
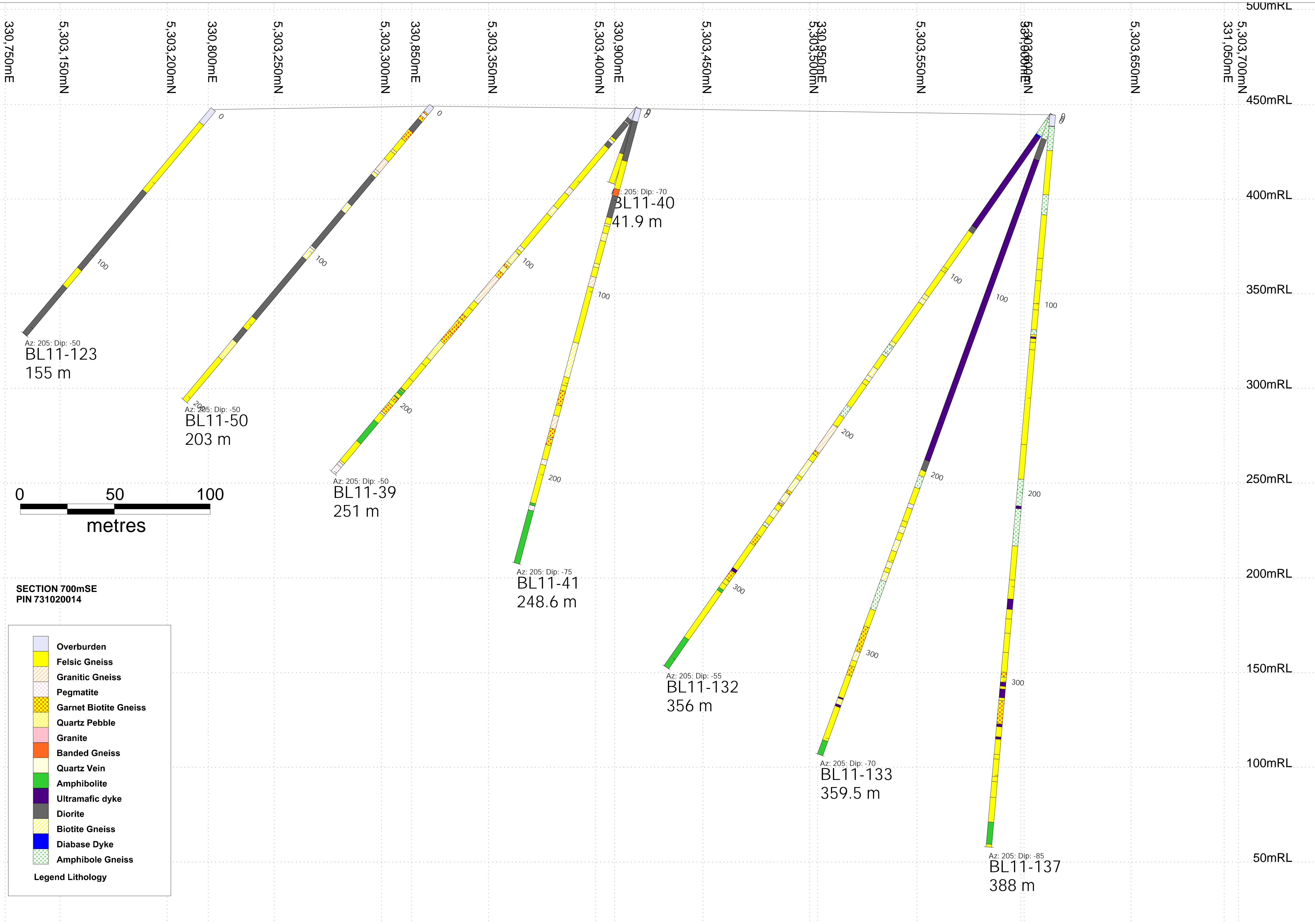
Az: 205; Dip: -50
BL11-65
215 m

Az: 205; Dip: -70
BL11-67
227.8 m

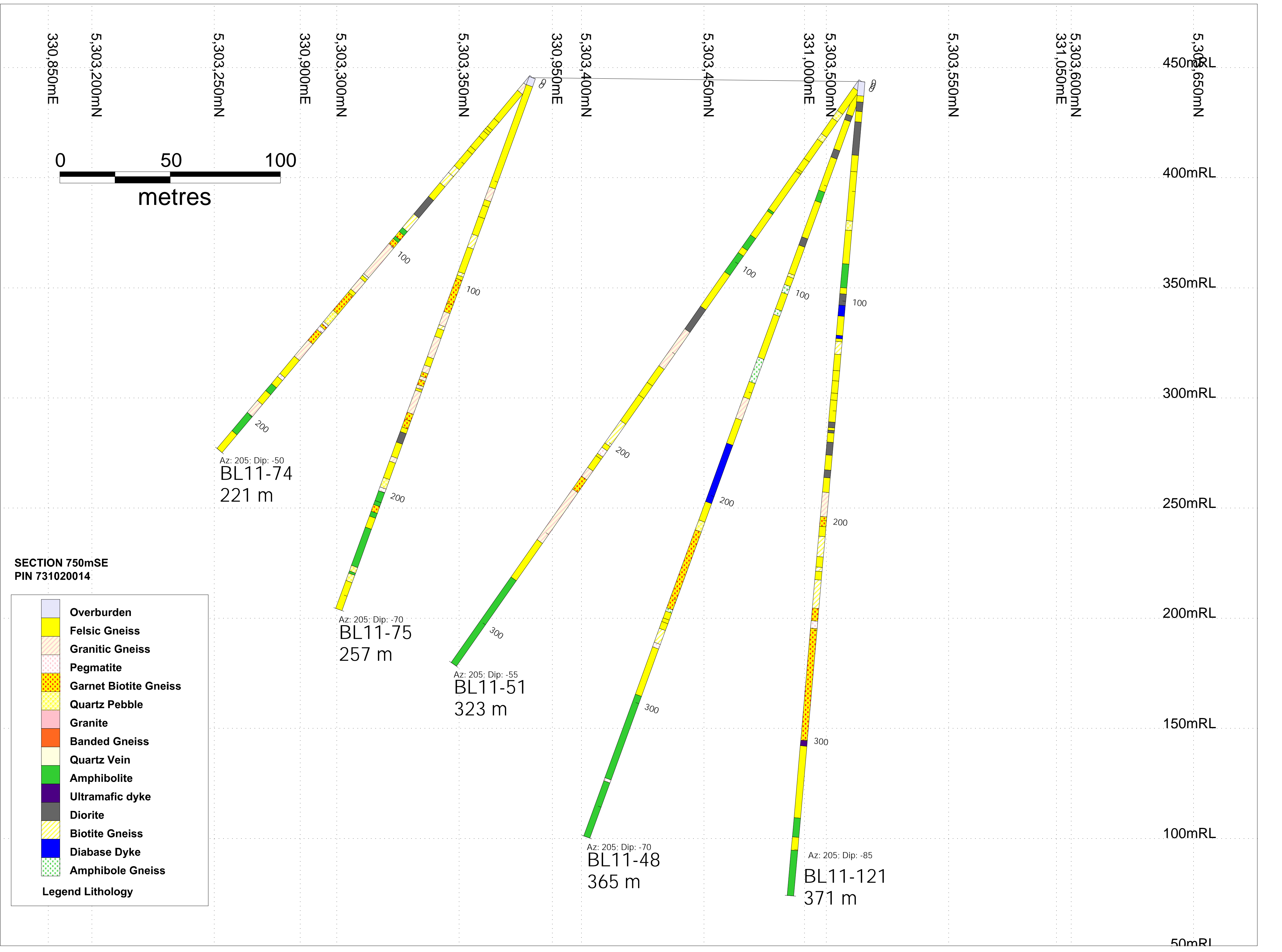








- Legend Lithology**
- Overburden
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic dyke
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss



**SECTION 750mSE
PIN 731020014**

- | | |
|--|------------------------------|
| | Overburden |
| | Felsic Gneiss |
| | Granitic Gneiss |
| | Pegmatite |
| | Garnet Biotite Gneiss |
| | Quartz Pebble |
| | Granite |
| | Banded Gneiss |
| | Quartz Vein |
| | Amphibolite |
| | Ultramafic dyke |
| | Diorite |
| | Biotite Gneiss |
| | Diabase Dyke |
| | Amphibole Gneiss |
- Legend Lithology**

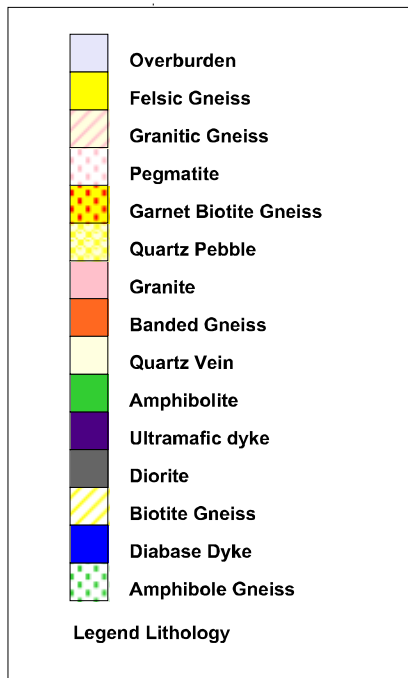
Az: 205; Dip: -50
BL11-74
221 m

Az: 205; Dip: -70
BL11-75
257 m

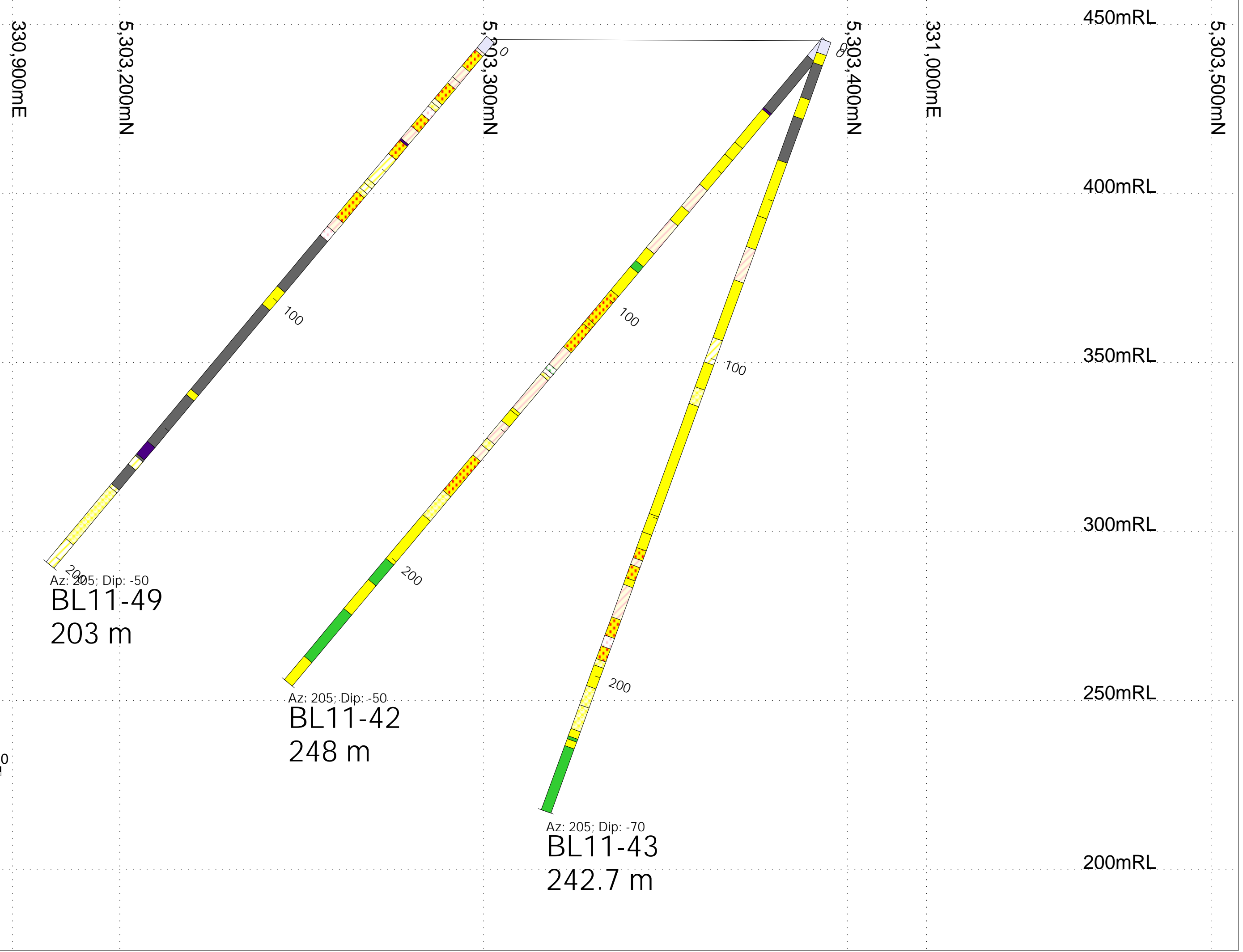
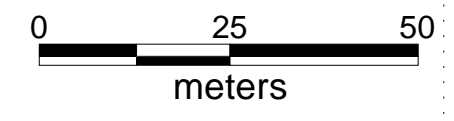
Az: 205; Dip: -55
BL11-51
323 m

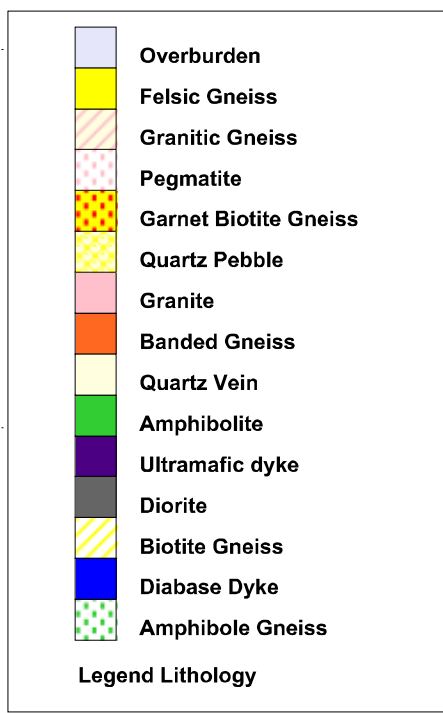
Az: 205; Dip: -70
BL11-48
365 m

Az: 205; Dip: -85
BL11-121
371 m

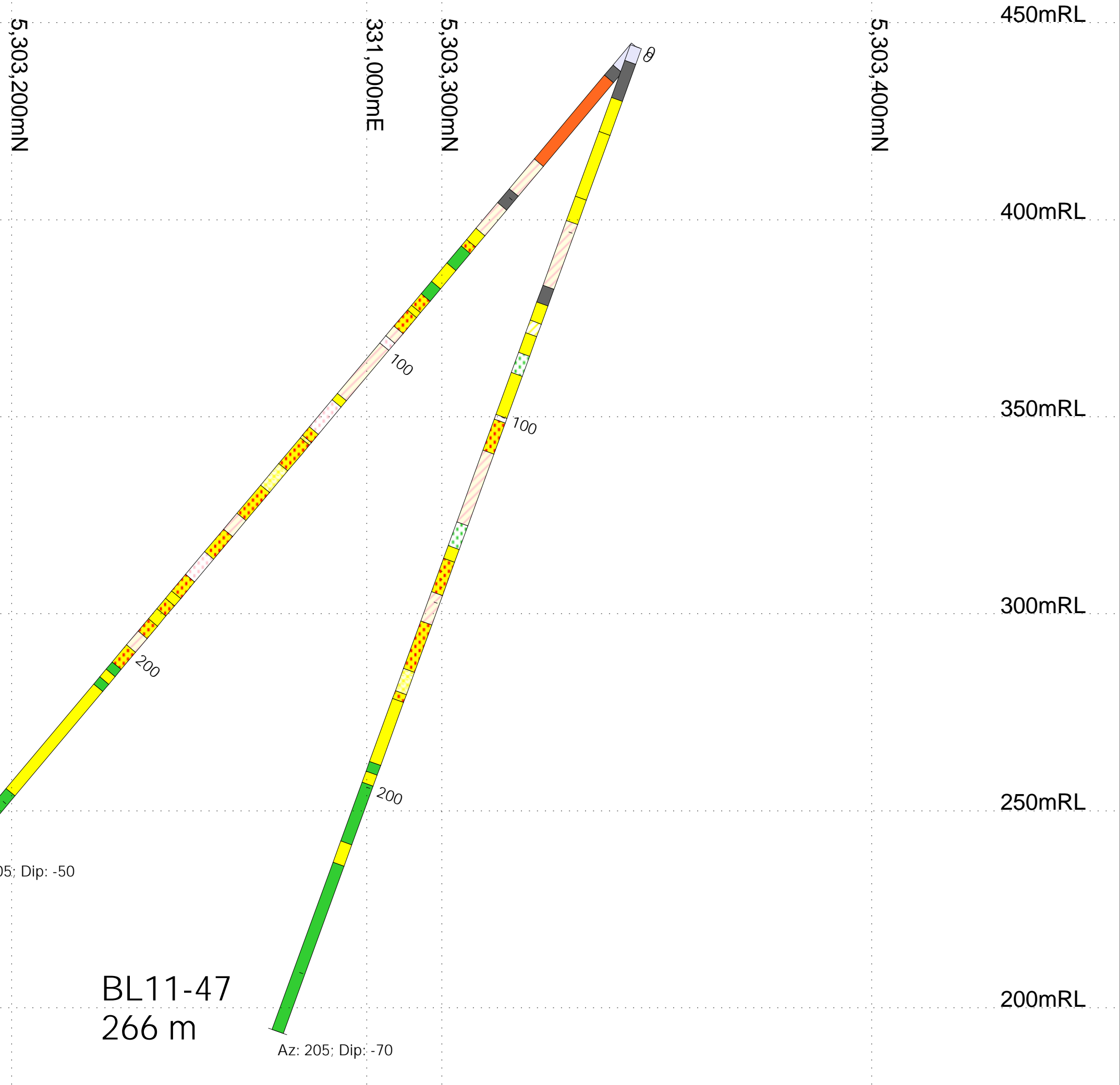


**SECTION 800mSE
PIN 731020014**





**SECTION 850mSE
PIN 731020014**

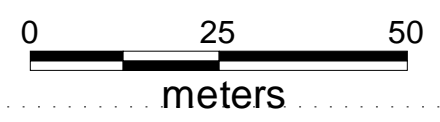


BL11-45
267.2 m

Az: 205; Dip: -50

BL11-47
266 m

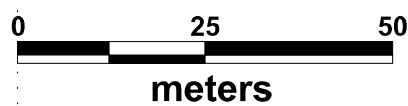
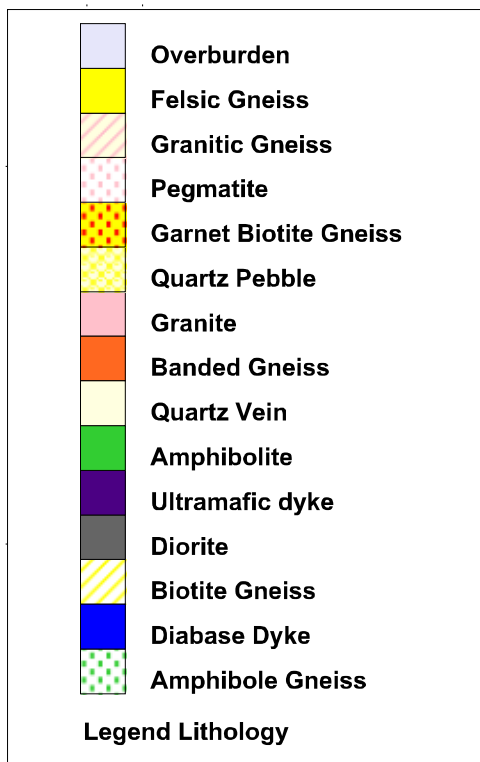
Az: 205; Dip: -70



5,303,450mN
 5,303,150mE
 5,303,400mN
 5,303,350mN
 5,303,300mN
 5,303,250mN
 5,303,200mN
 5,303,150mE
 5,303,100mN
 5,303,050mE
 5,303,000mE

450mRL
 400mRL
 350mRL
 300mRL
 250mRL
 200mRL
 150mRL
 100mRL

**SECTION 900mSE
 PIN 731020014**

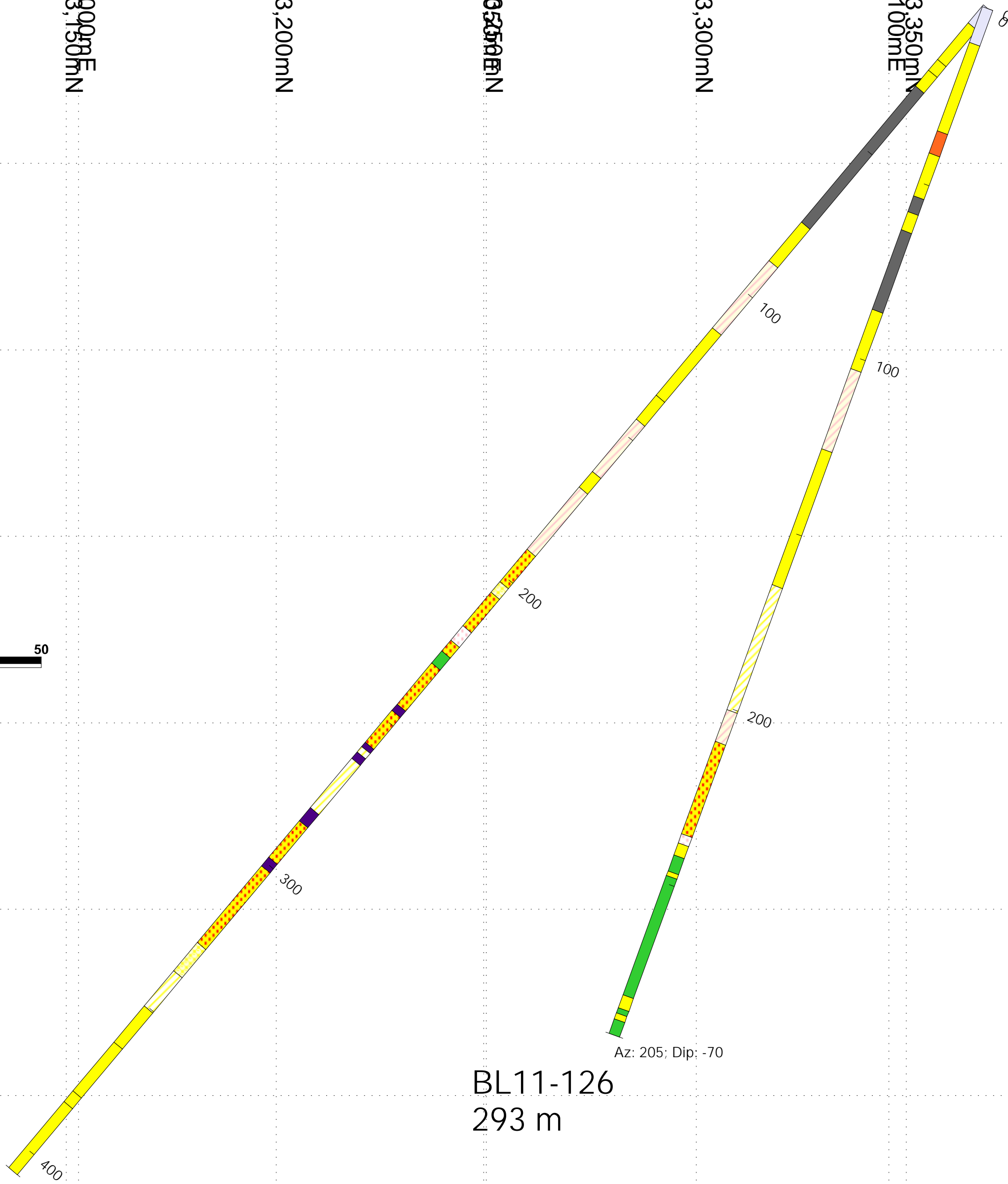


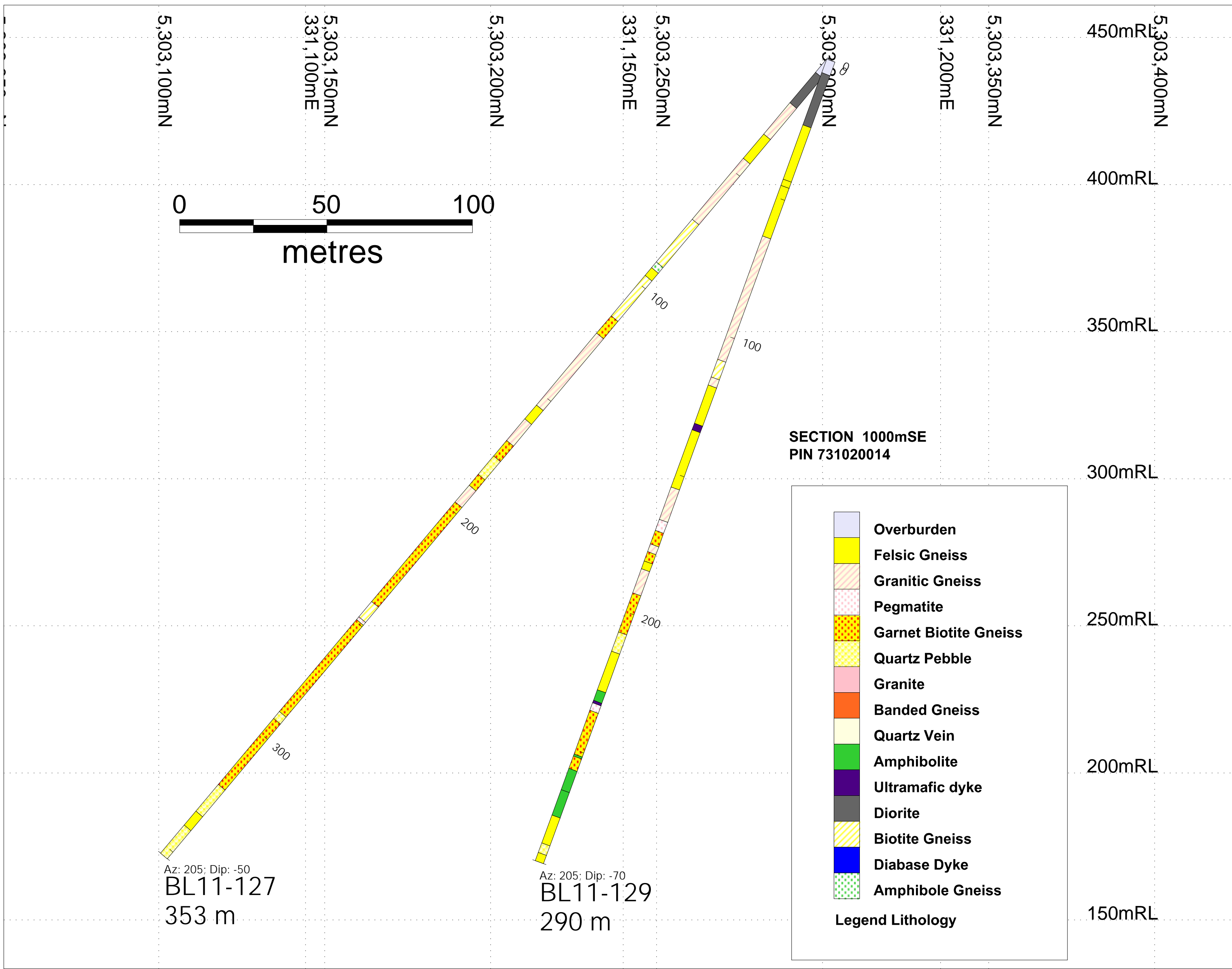
BL11-124
 407 m

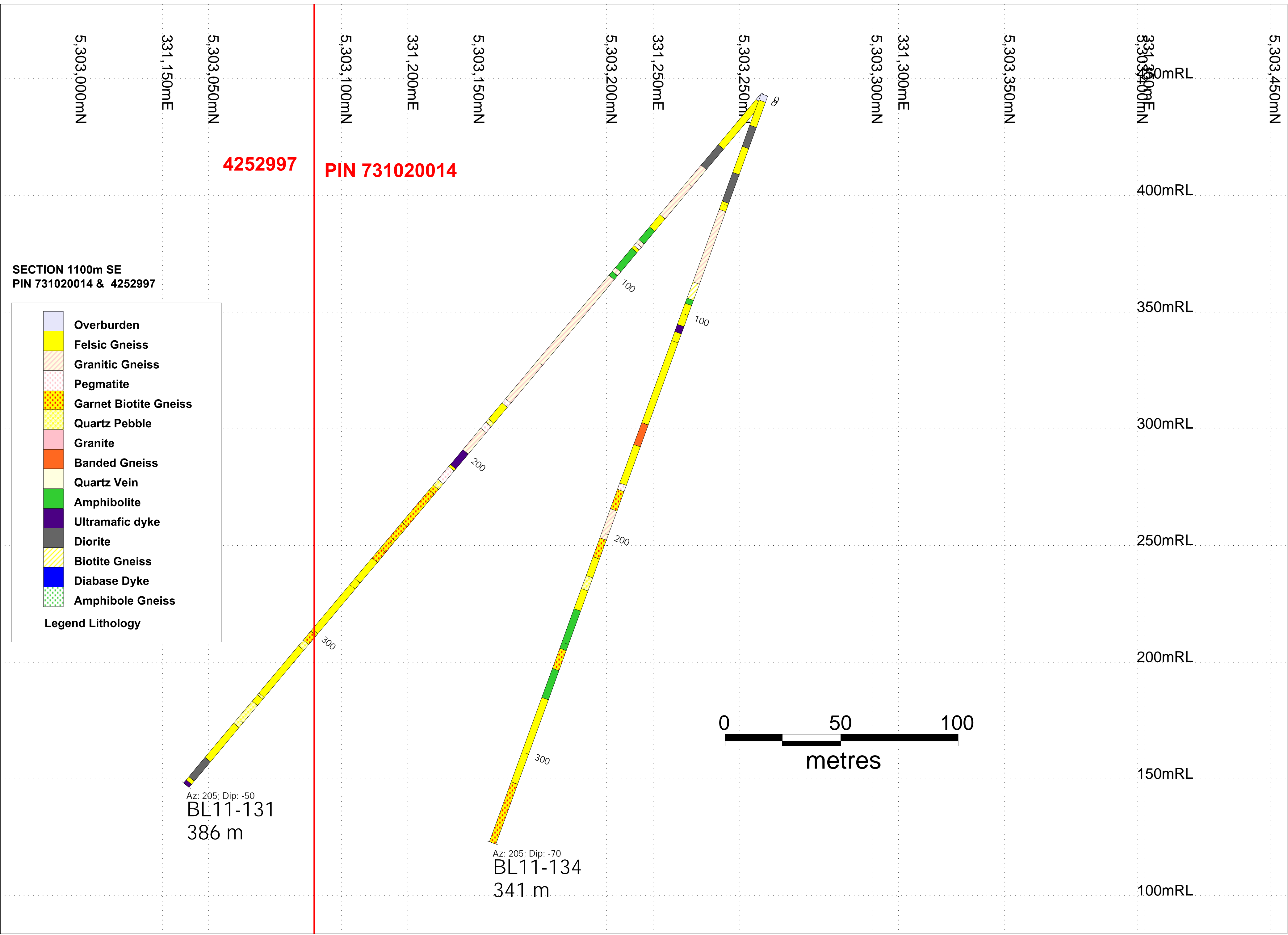
Az: 205; Dip: -50

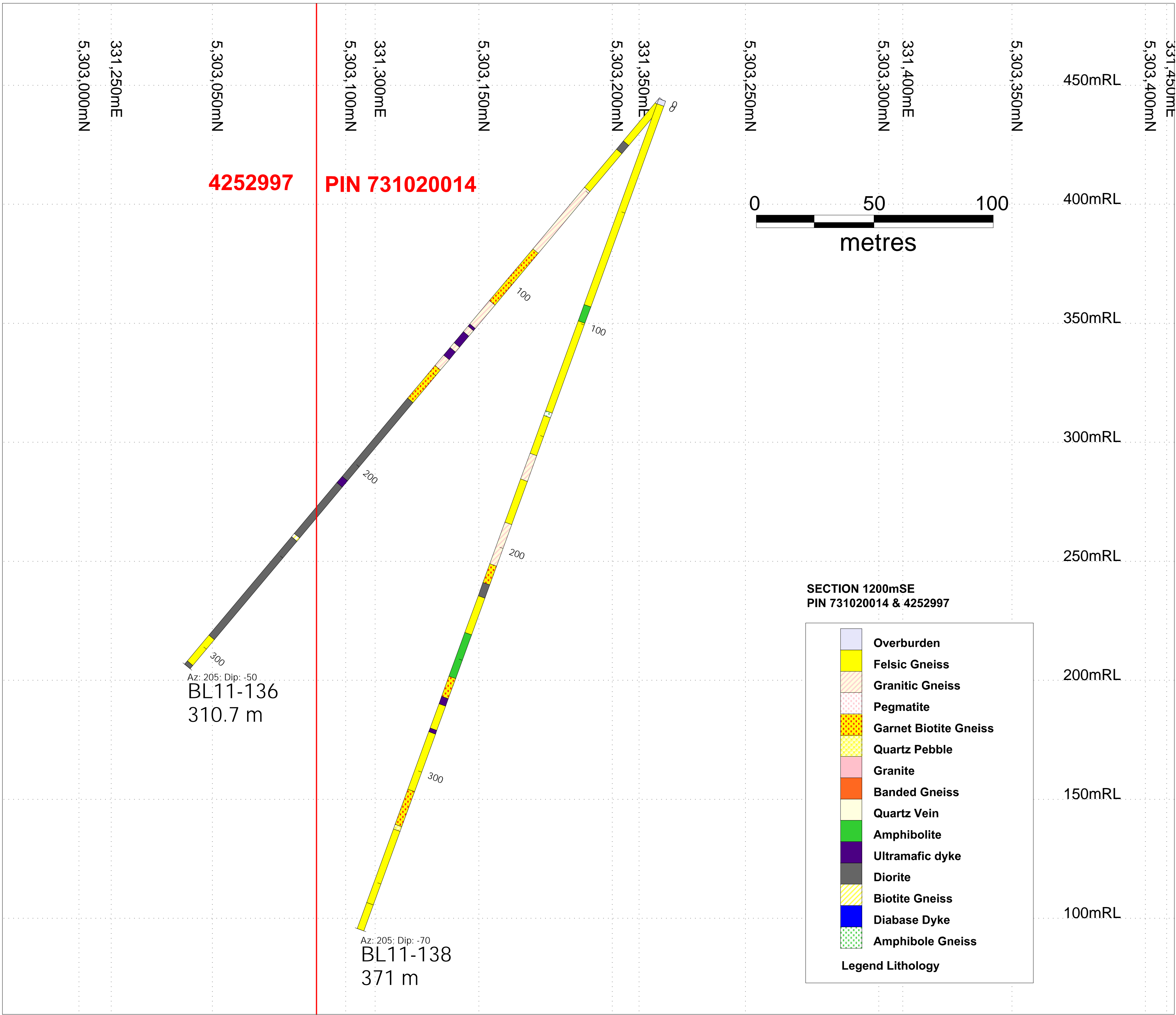
BL11-126
 293 m

Az: 205; Dip: -70









5,305,950mN
328,100mE
450mRL

5,306,050mN
328,000mE

5,306,150mN
327,900mE

5,306,100mN
327,950mE

5,306,050mN
328,000mE

5,306,000mN
328,050mE

327,850mE
5,306,200mN

400mRL

350mRL

300mRL
















250mRL

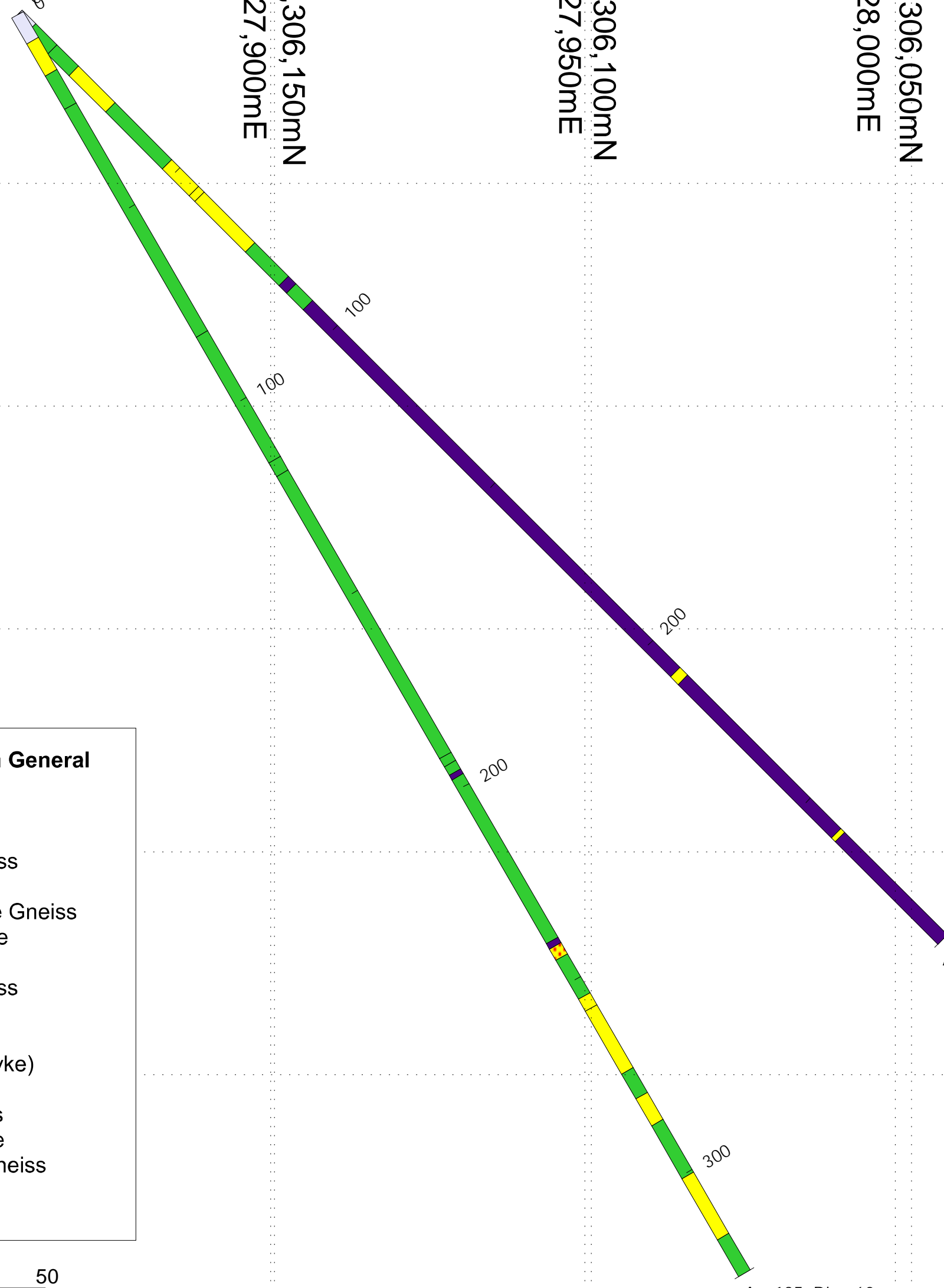
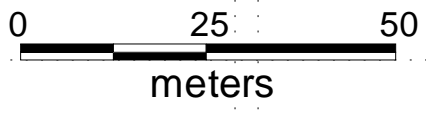
200mRL

150mRL

BN11-01 & BN11-02
PIN 731020007

LithologyBorden General

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  Quartz Pebble
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic (dyke)
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss



Az: 135; Dip: -45
BN11-01
293.4 m

Az: 135; Dip: -60
BN11-02
326 m

Claim 4242553

PIN 731020007

5,306,450mN
328,150mE
5,306,400mN
328,200mE
5,306,350mN
328,250mE
5,306,300mN
328,300mE
5,306,250mN
328,350mE
5,306,200mN

450mRL

400mRL



350mRL

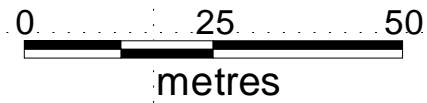
300mRL

250mRL

BN11-03
Claim 4242553 & PIN 731020007

LithologyBorden General

-  OB
-  Felsic Gneiss
-  Granitic Gneiss
-  Pegmatite
-  Garnet Biotite Gneiss
-  Quartz Pebble
-  Granite
-  Banded Gneiss
-  Quartz Vein
-  Amphibolite
-  Ultramafic (dyke)
-  Diorite
-  Biotite Gneiss
-  Diabase Dyke
-  Amphibole Gneiss



Az: 135; Dip: -45

BN11-03
241 m

5,306,700mN
 328,000mE
 5,306,650mN
 5,306,600mN
 5,306,550mN
 328,050mE
 5,306,500mN
 5,306,450mN
 328,100mE
 5,306,400mN
 5,306,350mN

450mRL
 400mRL
 350mRL
 300mRL
 250mRL
 200mRL

- LithologyBorden General**
- OB
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic (dyke)
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss

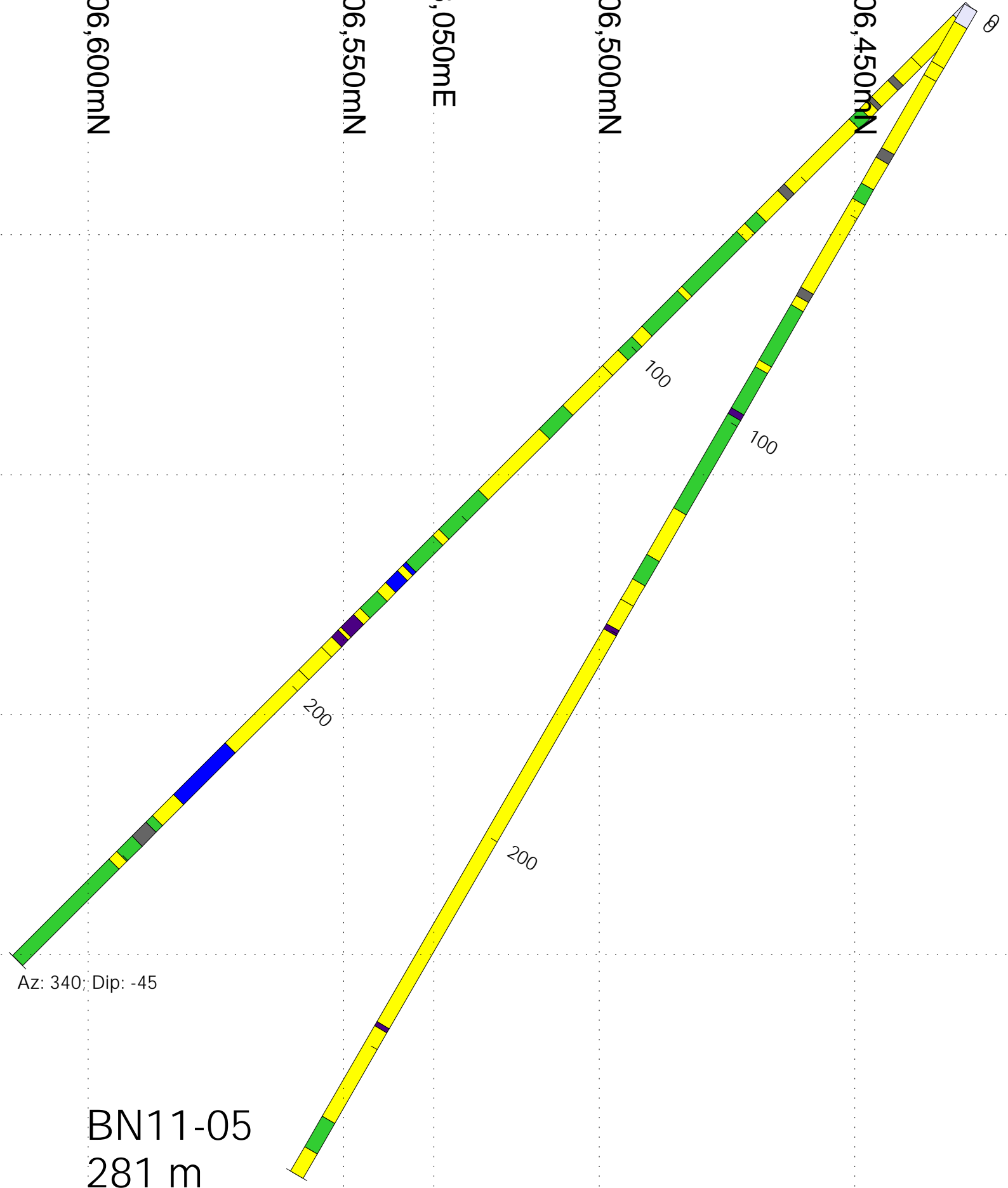
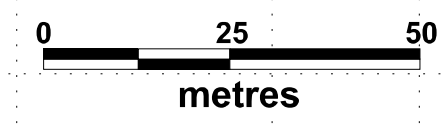
**BN11-04 & BN11-05
 Claim 4242553**

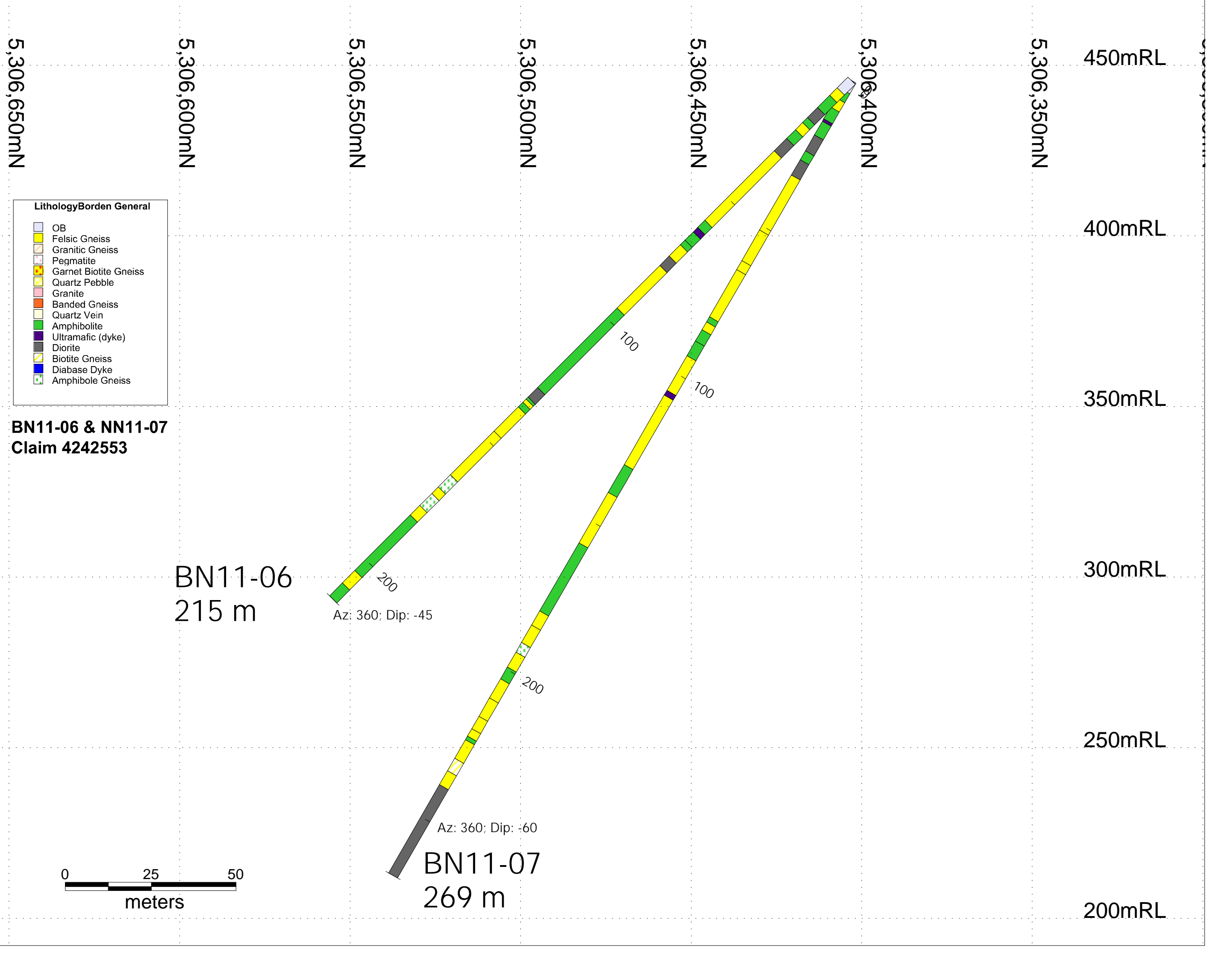
BN11-04
 281 m

Az: 340; Dip: -45

BN11-05
 281 m

Az: 340; Dip: -60





5,306,650mN

5,306,600mN

5,306,550mN

5,306,500mN

5,306,450mN

5,306,400mN

5,306,350mN

450mRL

400mRL

350mRL

300mRL

250mRL

200mRL

- LithologyBorden General**
- OB
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic (dyke)
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss

**BN11-06 & NN11-07
Claim 4242553**

BN11-06
215 m

Az: 360; Dip: -45

200

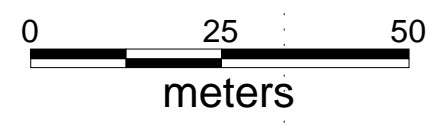
100

100

BN11-07
269 m

Az: 360; Dip: -60

200



Claim 4242553

PIN 73102007

5,306,600mN

5,306,550mN

5,306,500mN

5,306,450mN

5,306,400mN

5,306,350mN

5,306,300mN

5,306,250mN

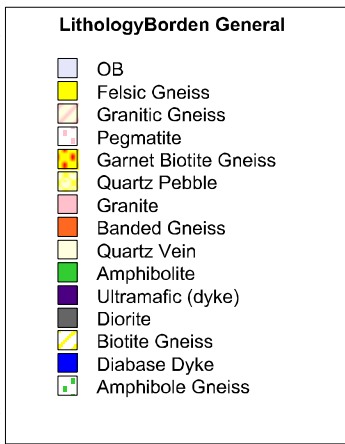
400mRL

350mRL

300mRL

250mRL

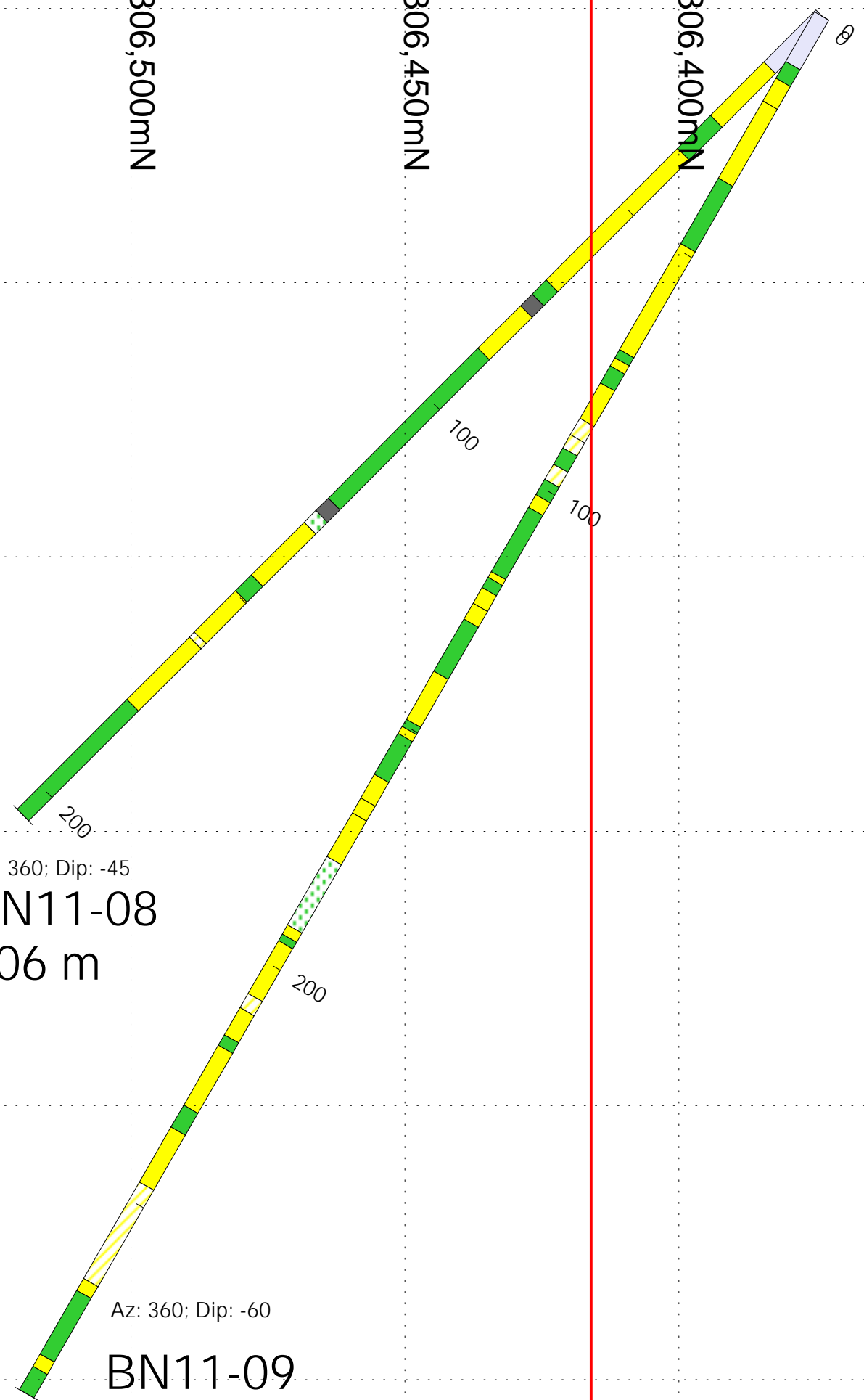
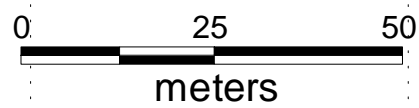
200mRL



BN11-08 & BN11-09
CLaim 4242553 & PIN731020007

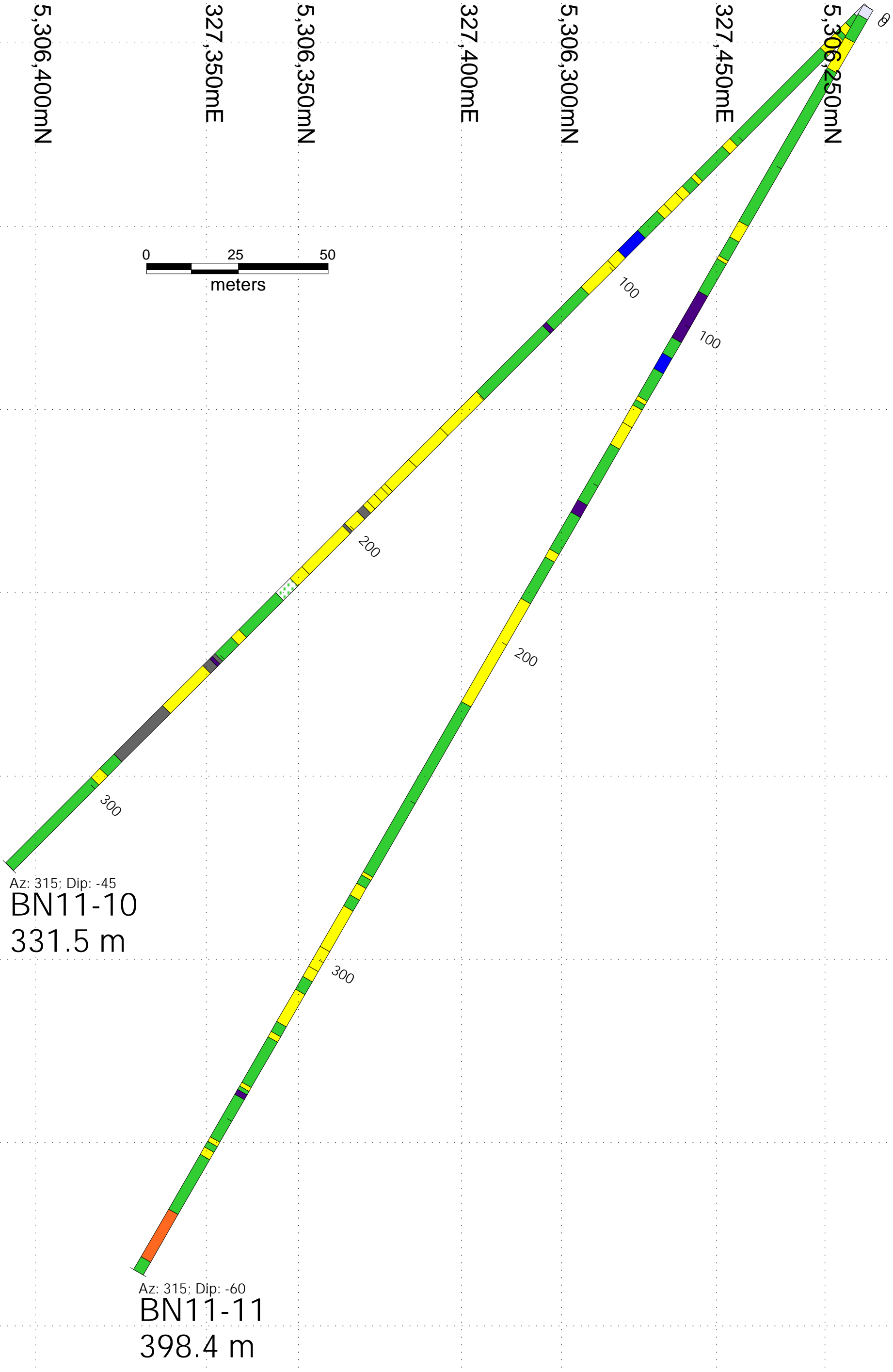
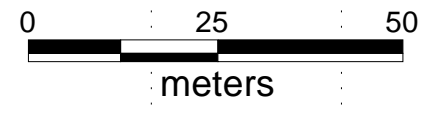
Az: 360; Dip: -45
BN11-08
206 m

Az: 360; Dip: -60
BN11-09
290 m



- Lithology Borden General**
- OB
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic (dyke)
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss

**BN11-10 & BN11-11
Claim 4249706**



Az: 315; Dip: -45
BN11-10
331.5 m

Az: 315; Dip: -60
BN11-11
398.4 m

327,250mE 5,306,450mN 327,300mE 5,306,400mN 327,350mE 5,306,350mN 327,400mE 5,306,300mN 327,450mE 5,306,250mN 327,500mE 5,306,200mN 327,550mE 5,306,150mN 327,600mE

450mRL
400mRL
350mRL
300mRL
250mRL
200mRL
150mRL
100mRL

Claim 4242555 **Claim 4249706**

5,306,600mN

5,306,550mN

5,306,500mN

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

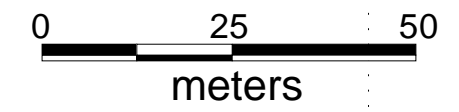
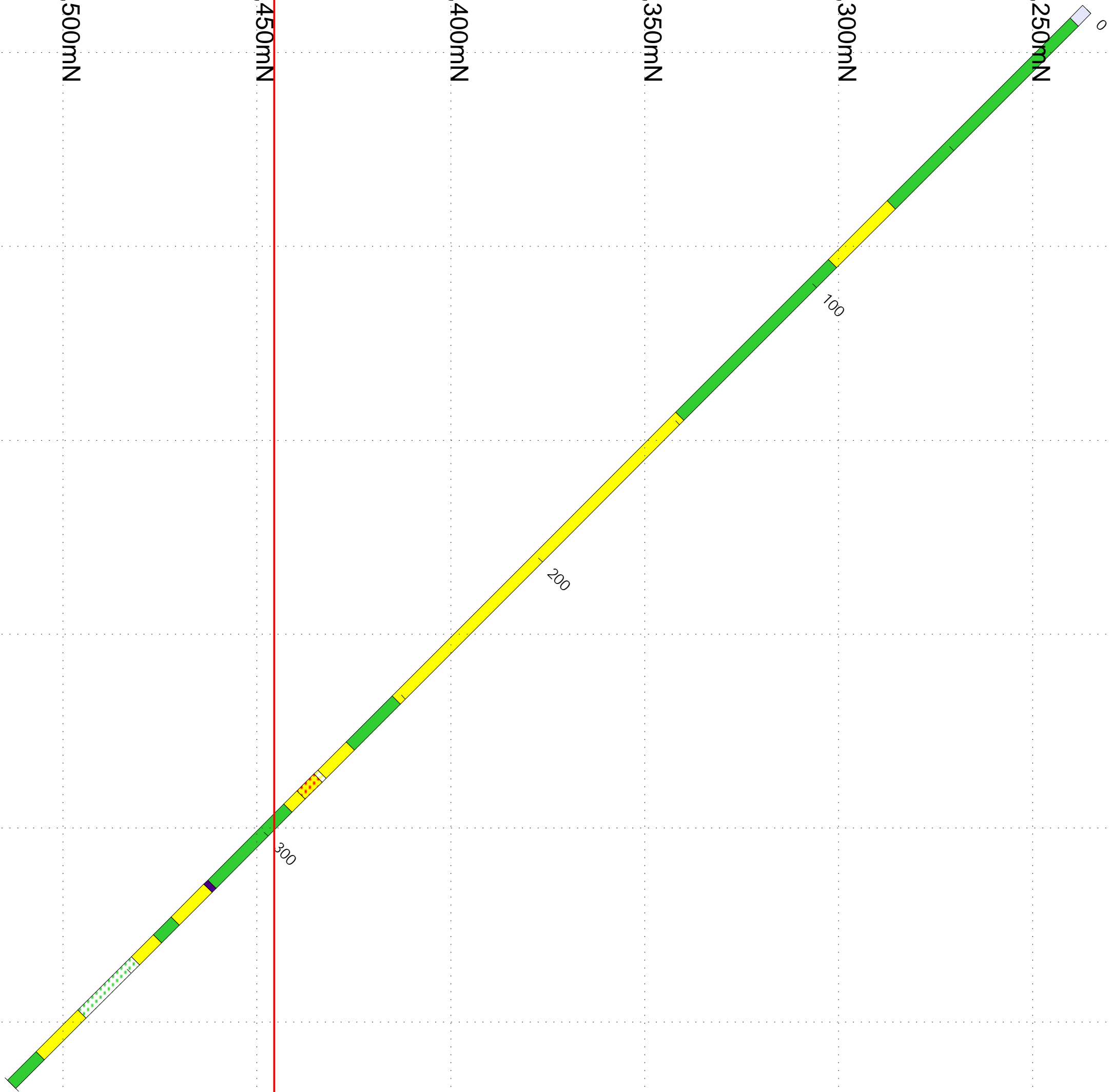
250mRL

200mRL

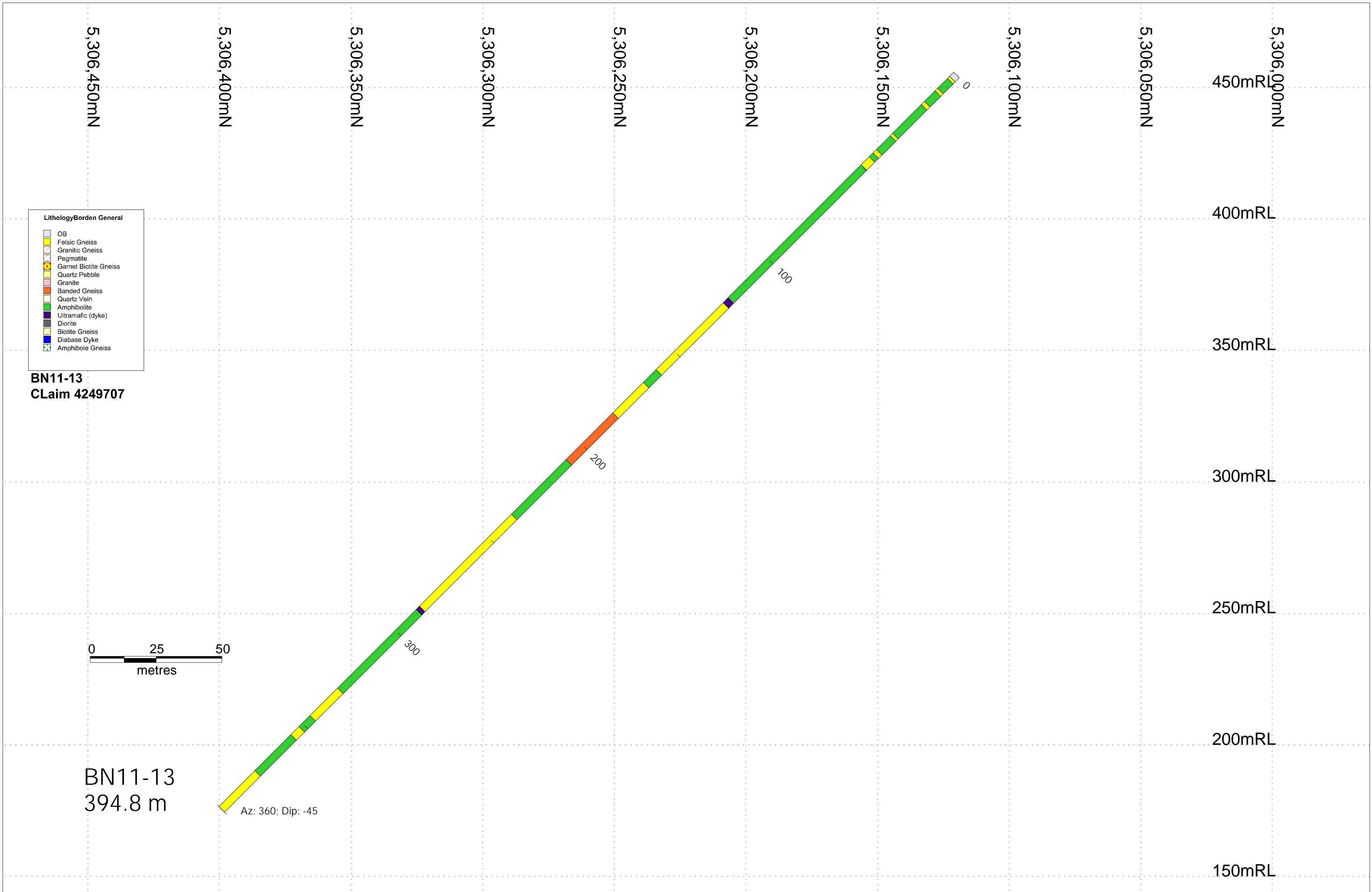
150mRL

- LithologyBorden General**
- OB
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic (dyke)
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss

BN11-12
Claims 4249706 & 4242555



Az: 360; Dip: -45
BN11-12
392 m



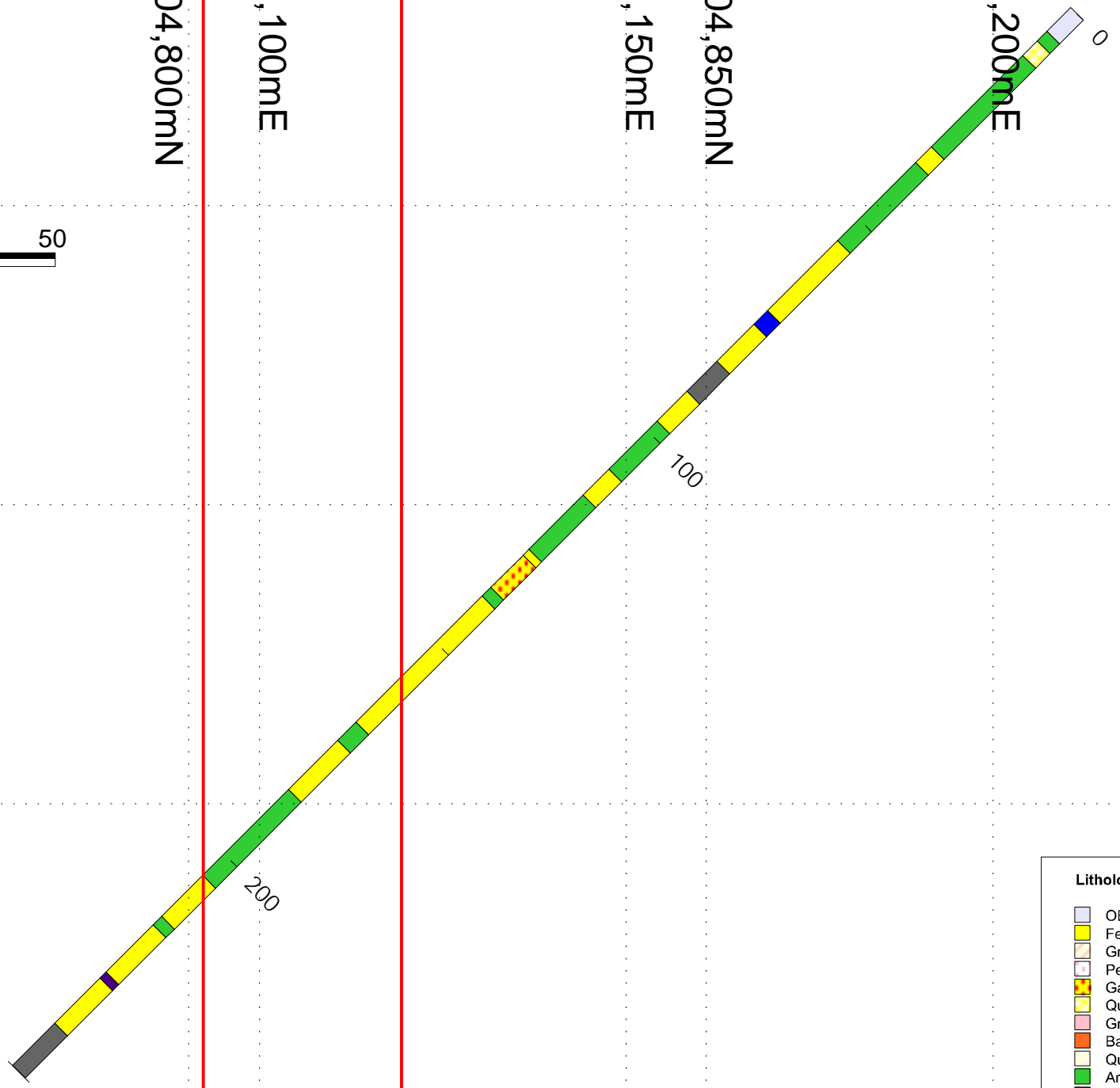
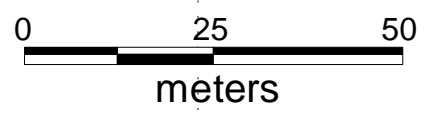
Claim 4255238

4240490

Claim 4255237

327,000mE 5,304,750mN 327,050mE 5,304,800mN 327,100mE 5,304,850mN 327,150mE 5,304,900mN 327,200mE 327,250mE 5,304,950mN

500mRL
450mRL
400mRL
350mRL
300mRL
250mRL



Az: 235; Dip: -45
BN11-14
250 m

- LithologyBorden General**
- OB
 - Felsic Gneiss
 - Granitic Gneiss
 - Pegmatite
 - Garnet Biotite Gneiss
 - Quartz Pebble
 - Granite
 - Banded Gneiss
 - Quartz Vein
 - Amphibolite
 - Ultramafic (dyke)
 - Diorite
 - Biotite Gneiss
 - Diabase Dyke
 - Amphibole Gneiss

BN11-14
Claims 4255237, 4240490, 4255238

Claim 4255238

Claim 4240490

5,304,550mN
326,750mE

326,800mE

5,304,600mN

326,850mE

326,900mE
5,304,650mN

326,950mE

5,304,700mN

327,000mE

5,304,750mN

327,050mE
















327,100mE

5,304,800mN

327,150mE

5,304,850mN

BN11-15, BN11-16, BN11-17 & BN11-18
Claims 4240490 & 4255238

- LithologyBorden General
-  OB
 -  Felsic Gneiss
 -  Granitic Gneiss
 -  Pegmatite
 -  Garnet Biotite Gneiss
 -  Quartz Pebble
 -  Granite
 -  Banded Gneiss
 -  Quartz Vein
 -  Amphibolite
 -  Ultramafic (dyke)
 -  Diorite
 -  Biotite Gneiss
 -  Diabase Dyke
 -  Amphibole Gneiss

Az: 235; Dip: -45
BN11-17
323 m

Az: 235; Dip: -60
BN11-18
215 m

Az: 235; Dip: -45
BN11-15
282.7 m

Az: 235; Dip: -60
BN11-16
363.9 m

450mRL

400mRL

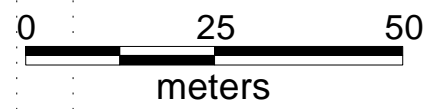
350mRL

300mRL

250mRL

200mRL

150mRL



APPENDIX IV

Meterage & Costs by Hole & Claim

Appendix IV - Meterage by hole and claim

HoleID	Unpatented or Patented (private) claim number	per m cost Depth (m)	\$ 108.00		4227868	731020014	731020012	731020007	4240490	4255238	4242553	4242555	4249706	4249707	4255237	4252997
			Rounded Cost													
BL11-122	4227868 (258m); & 731020012 (140m)	398.00	\$	42,984.00	258.00		140.00									
BL11-95	4227868 (280m) & 731020012 (34m)	314.00	\$	33,912.00	280.00		34.00									
BL11-120	4227868 (285m); & 731020012 (83m)	368.00	\$	39,744.00	285.00		83.00									
BL11-90	4227868 (311.8m) & 731020012 (5m)	316.80	\$	34,214.00	311.80		5.00									
BL11-93	4227868 (320m) & 731020012 (9m)	329.00	\$	35,532.00	320.00		9.00									
BL11-98	731020012 (160m) & 4227868 (160m)	320.00	\$	34,560.00	160.00		160.00									
BL11-128	731020012 (350m) & 4227868 (105m)	455.00	\$	49,140.00	105.00		350.00									
BL11-35	COCH LOT2 CON2 S; PIN 731020014	107.00	\$	11,556.00		107.00										
BL11-36	COCH LOT2 CON2 S; PIN 731020014	221.00	\$	23,868.00		221.00										
BL11-37	COCH LOT2 CON2 S; PIN 731020014	227.00	\$	24,516.00		227.00										
BL11-38	COCH LOT2 CON2 S; PIN 731020014	236.00	\$	25,488.00		236.00										
BL11-39	COCH LOT2 CON2 S; PIN 731020014	251.00	\$	27,108.00		251.00										
BL11-40	COCH LOT2 CON2 S; PIN 731020014	41.90	\$	4,525.00		41.90										
BL11-41	COCH LOT2 CON2 S; PIN 731020014	248.60	\$	26,849.00		248.60										
BL11-42	COCH LOT2 CON2 S; PIN 731020014	248.00	\$	26,784.00		248.00										
BL11-43	COCH LOT2 CON2 S; PIN 731020014	242.70	\$	26,212.00		242.70										
BL11-44	COCH LOT2 CON2 S; PIN 731020014	366.30	\$	39,560.00		366.30										
BL11-45	COCH LOT2 CON2 S; PIN 731020014	267.20	\$	28,858.00		267.20										
BL11-46	COCH LOT2 CON2 S; PIN 731020014	359.00	\$	38,772.00		359.00										
BL11-47	COCH LOT2 CON2 S; PIN 731020014	266.00	\$	28,728.00		266.00										
BL11-48	COCH LOT2 CON2 S; PIN 731020014	365.00	\$	39,420.00		365.00										
BL11-49	COCH LOT2 CON2 S; PIN 731020014	203.00	\$	21,924.00		203.00										
BL11-50	COCH LOT2 CON2 S; PIN 731020014	203.00	\$	21,924.00		203.00										
BL11-51	COCH LOT2 CON2 S; PIN 731020014	323.00	\$	34,884.00		323.00										
BL11-52	COCH LOT2 CON2 S; PIN 731020014	164.00	\$	17,712.00		164.00										
BL11-65	COCH LOT2 CON2 S; PIN 731020014	215.00	\$	23,220.00		215.00										
BL11-67	COCH LOT2 CON2 S; PIN 731020014	227.80	\$	24,602.00		227.80										
BL11-70	COCH LOT2 CON2 S; PIN 731020014	221.00	\$	23,868.00		221.00										
BL11-71	COCH LOT2 CON2 S; PIN 731020014	215.00	\$	23,220.00		215.00										
BL11-74	COCH LOT2 CON2 S; PIN 731020014	221.00	\$	23,868.00		221.00										
BL11-75	COCH LOT2 CON2 S; PIN 731020014	257.00	\$	27,756.00		257.00										
BL11-121	COCH LOT2 CON2 S; PIN 731020014	371.00	\$	40,068.00		371.00										
BL11-123	COCH LOT2 CON2 S; PIN 731020014	155.00	\$	16,740.00		155.00										
BL11-124	COCH LOT2 CON2 S; PIN 731020014	407.00	\$	43,956.00		407.00										
BL11-126	COCH LOT2 CON2 S; PIN 731020014	293.00	\$	31,644.00		293.00										
BL11-127	COCH LOT2 CON2 S; PIN 731020014	353.00	\$	38,124.00		353.00										
BL11-129	COCH LOT2 CON2 S; PIN 731020014	290.00	\$	31,320.00		290.00										
BL11-130	COCH LOT2 CON2 S; PIN 731020014	382.00	\$	41,256.00		382.00										
BL11-132	COCH LOT2 CON2 S; PIN 731020014	356.00	\$	38,448.00		356.00										
BL11-133	COCH LOT2 CON2 S; PIN 731020014	359.50	\$	38,826.00		359.50										
BL11-134	COCH LOT2 CON2 S; PIN 731020014	341.00	\$	36,828.00		341.00										
BL11-137	COCH LOT2 CON2 S; PIN 731020014	388.00	\$	41,904.00		388.00										
BL11-138	COCH LOT2 CON2 S; PIN 731020014	371.00	\$	40,068.00		371.00										
BL11-139	COCH LOT2 CON2 S; PIN 731020014	371.00	\$	40,068.00		371.00										
BL11-99	COCH LOT3 CON2; PIN 731020012	230.00	\$	24,840.00			230.00									
BL11-101	COCH LOT3 CON2; PIN 731020012	134.00	\$	14,472.00			134.00									
BL11-125	COCH LOT3 CON2; PIN 731020012	431.30	\$	46,580.00			431.30									
BL11-135	COCH LOT3 CON2; PIN 731020012	456.00	\$	49,248.00			456.00									
BL11-131	COCH LOT2 CON2 S; PIN 731020014 & 4252997	386.00	\$	41,688.00		300.00										86.00
BL11-136	COCH LOT2 CON2 S; PIN 731020014 & 4252997	310.70	\$	33,556.00		225.00										85.70
BN11-01	PIN 731020007	293.40	\$	31,687.00			293.40									
BN11-02	PIN 731020007	326.00	\$	35,208.00			326.00									
BN11-08	PIN 731020007 (60m) ; 4242553 (146m)	206.00	\$	22,248.00			60.00				146.00					
BN11-09	PIN 731020007 (84m) ; 4242553 (206m)	290.00	\$	31,320.00			84.00				206.00					
BN11-15	4240490 (19m) & 4255238 (263.7m)	282.70	\$	30,532.00				19.00	263.70							
BN11-16	4240490 (27m) & 4255238 (336.9m)	363.90	\$	39,301.00				27.00	336.90							
BN11-04	4242553	281.00	\$	30,348.00							281.00					
BN11-05	4242553	281.00	\$	30,348.00							281.00					
BN11-06	4242553	215.00	\$	23,220.00							215.00					
BN11-07	4242553	269.00	\$	29,052.00							269.00					

Appendix IV - Meterage by hole and claim

HoleID	Unpatented or Patented (private) claim number	per m cost Depth (m)	\$ 108.00 Rounded Cost	4227868	731020014	731020012	731020007	4240490	4255238	4242553	4242555	4249706	4249707	4255237	4252997
BN11-03	4242553 (21m); PIN 731020007 (220m)	241.00	\$ 26,028.00				220.00			21.00					
BN11-10	4249706	331.50	\$ 35,802.00									331.50			
BN11-11	4249706	398.40	\$ 43,027.00									398.40			
BN11-12	4249706 (296m) & 4242555 (96m)	392.00	\$ 42,336.00								96.00	296.00			
BN11-13	4249707	394.80	\$ 42,638.00										394.80		
BN11-14	4255237 (158m) & 4240490 (47m) & 4255238 (45m)	250.00	\$ 27,000.00					47.00	45.00					158.00	
BN11-17	4255238	323.00	\$ 34,884.00						323.00						
BN11-18	4255238	215.00	\$ 23,220.00						215.00						
TOTALS		35433.70	\$ 3,826,838.00	16706.00	11170.00	2032.30	983.40	93.00	1183.60	1419.00	96.00	1025.90	394.80	158.00	171.70
				\$ 1,804,248.00	\$ 1,206,360.00	\$ 219,488.00	\$ 106,207.00	\$ 10,044.00	\$ 127,829.00	\$ 153,252.00	\$ 10,368.00	\$ 110,797.00	\$ 42,638.00	\$ 17,064.00	\$ 18,543.00
				\$ 3,826,838.00											