

ASSESSMENT REPORT ON  
2014 SUMMER EXPLORATION PROGRAM  
EAST LIMB PROJECT

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

Submitted to:  
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## INTRODUCTION

During the summer of 2014, Probe Mines Limited ("Probe") conducted an exploration program on its East Limb property which included rock prospecting/sampling and till sampling. A total of 586 till samples and 530 rock samples were collected and analysed on the project claims. The East Limb property, is located approximately 20 kilometres east of the Borden Gold project. It comprises a number of claims acquired through property acquisitions and staking. As of 10 December 2014, Probe Mines acquired a large tract of patent claims located in between the Borden Gold and East Limb projects. As such the two projects are now contiguous, extending a distance of 68 km.

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

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

Drilling was completed on the East Limb project in December 2012 to February 2013 and was filed in assessment reports in February, April and November 2013. Local and regional programs were completed in the summer of 2013 on the East Limb project and comprised MMI sampling, prospecting, mapping and a LiDAR survey. Assessment on these activities was filed in December 2013. IP ground geophysical surveys as well as magnetic and VLF surveys, were conducted on five grids on the East Limb property. This work was filed for assessment in May 2014 as work report W1460.01165 and September 2014 as work report W1460.01832. Drilling in the fall of 2014 was filed in December 2014 as work report W1460.02461.

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

## LOCATION AND ACCESS

The East Limb project claims are located in the 1:50,000 NTS topographic sheets 41O14, 41O15 and 42B02, approximately 120 km southwest of the city of Timmins and 36 km east-northeast of the town of Chapleau, Ontario (Figure 1). Townships include Chewett, Sandy, Crockett, Raney, Hellyer, Evans, Pinogami, Ivanhoe and Carty. Access to the property is via Highway 101 and logging roads off the main highway. The East Limb property is located approximately 20 kilometres east of the Borden Gold project. It comprises a number of claims acquired through property acquisitions and staking. As of 10 December 2014, Probe Mines acquired a large tract of patent claims located in between the Borden and East Limb projects. As such the two projects are now contiguous, extending a distance of 68 km.

The current report details work applicable to 162 claims, the details of which are listed in Table 1. The amount of credits applied from the work completed as detailed in this report is \$304,404 and is being used towards keeping the project claims in good standing.

**Table 1 – Mineral Claim Information**

	Mineral Claim	District	Recording Date	Claim Due Date	Township	G Plan	Claim Units
1	4262428	POR	2011-Apr-29	April-29-15	SANDY	G-1209	16
2	4262429	POR	2011-Apr-29	April-29-15	SANDY	G-1209	16
3	4262430	POR	2011-Apr-29	April-29-15	SANDY	G-1209	16
4	4262431	POR	2011-Apr-29	April-29-15	SANDY	G-1209	16
5	4262432	POR	2011-Apr-29	April-29-15	SANDY	G-1209	10
6	4262433	POR	2011-Apr-29	April-29-15	SANDY	G-1209	16
7	4262435	POR	2011-Apr-29	April-29-15	MURDOCK	G-1184	16
8	4262436	POR	2011-Apr-29	April-29-15	SANDY	G-1209	16
9	4262438	POR	2011-Apr-29	April-29-15	EVANS	G-1121	16
10	4262440	POR	2011-Apr-29	April-29-15	EVANS	G-1121	16
11	4262441	POR	2011-Apr-29	April-29-15	EVANS	G-1121	16
12	4262443	POR	2011-Apr-29	April-29-15	EVANS	G-1121	16
13	4262444	POR	2011-Apr-29	April-29-15	EVANS	G-1121	16
14	4262445	POR	2011-Apr-29	April-29-15	EVANS	G-1121	16
15	4262446	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	4
16	4263001	POR	2011-Apr-29	April-29-15	SANDY	G-1209	8
17	4263003	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	16
18	4263004	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	16
19	4263007	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	16
20	4263008	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	12
21	4263009	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	16
22	4263010	POR	2011-Apr-29	April-29-15	HELLYER	G-1140	16
23	4273568	POR	2013-May-09	May-09-15	CHEWETT	G-1083	4
24	4273566	POR	2013-May-10	May-10-15	MURDOCK	G-1184	4
25	4274401	POR	2013-May-10	May-10-15	MURDOCK	G-1184	16
26	4261424	POR	2012-May-11	May-11-15	CHEWETT	G-1083	6

	Mineral Claim	District	Recording Date	Claim Due Date	Township	G Plan	Claim Units
28	4273565	POR	2013-May-15	May-15-15	SANDY	G-1209	10
29	4274402	POR	2013-May-15	May-15-15	MURDOCK	G-1184	16
30	4274406	POR	2013-May-15	May-15-15	SANDY	G-1209	16
31	4274407	POR	2013-May-15	May-15-15	SANDY	G-1209	16
32	4274411	POR	2013-May-24	May-24-15	SANDY	G-1209	4
33	4274412	POR	2013-May-24	May-24-15	SANDY	G-1209	5
34	4274413	POR	2013-May-24	May-24-15	COLLINS	G-3030	8
35	4261436	POR	2011-May-26	May-26-15	SANDY	G-1209	2
36	4261437	POR	2011-May-26	May-26-15	SANDY	G-1209	2
37	4274414	POR	2013-Jun-04	June-04-15	CHEWETT	G-1083	4
38	4274403	POR	2013-Jun-06	June-06-15	MURDOCK	G-1184	16
39	4274408	POR	2013-Jun-06	June-06-15	SANDY	G-1209	16
40	4274409	POR	2013-Jun-06	June-06-15	MURDOCK	G-1184	16
41	4261428	POR	2012-Jun-07	June-07-15	CHEWETT	G-1083	4
42	4261429	POR	2012-Jun-07	June-07-15	CHEWETT	G-1083	8
43	4261430	POR	2012-Jun-07	June-07-15	COLLINS	G-3030	4
44	4274420	POR	2013-Jun-11	June-11-15	IVANHOE	G-1102	12
45	4274421	POR	2013-Jun-11	June-11-15	CARTY	G-1070	12
46	4274422	POR	2013-Jun-11	June-11-15	CARTY	G-1070	12
47	4274423	POR	2013-Jun-11	June-11-15	CARTY	G-1070	15
48	4274424	POR	2013-Jun-19	June-19-15	CARTY	G-1070	12
49	4274426	POR	2013-Jun-19	June-19-15	CARTY	G-1070	16
50	4274418	POR	2013-Jun-21	June-21-15	PINOGAMI	G-1202	10
51	4274419	POR	2013-Jun-21	June-21-15	PINOGAMI	G-1202	4
52	4273567	POR	2013-Jun-27	June-27-15	PINOGAMI	G-1202	16
53	4274417	POR	2013-Jul-02	July-02-15	CARTY	G-1070	12
54	4274425	POR	2013-Jul-02	July-02-15	CARTY	G-1070	16
55	4274415	POR	2013-Jul-03	July-03-15	COLLINS	G-3030	4
56	4273569	POR	2013-Jul-09	July-09-15	CARTY	G-1070	3
57	4267587	POR	2012-Sep-07	September-07-15	SANDY	G-1209	10
58	4267588	POR	2012-Sep-07	September-07-15	SANDY	G-1209	10
59	4270108	POR	2012-Sep-07	September-07-15	SANDY	G-1209	10
60	4270110	POR	2012-Sep-07	September-07-15	SANDY	G-1209	16
61	4270111	POR	2012-Sep-07	September-07-15	SANDY	G-1209	16
62	4270109	POR	2012-Sep-14	September-14-15	SANDY	G-1209	16
63	4270115	POR	2012-Sep-14	September-14-15	HELLYER	G-1140	16
64	4273550	POR	2012-Sep-14	September-14-15	SANDY	G-1209	16
65	4273551	POR	2012-Sep-14	September-14-15	SANDY	G-1209	16
66	4270113	POR	2012-Sep-21	September-21-15	EVANS	G-1121	16
67	4270114	POR	2012-Sep-21	September-21-15	HELLYER	G-1140	16
68	4267589	POR	2012-Sep-26	September-26-15	SANDY	G-1209	6
69	4273597	POR	2012-Sep-26	September-26-15	SANDY	G-1209	4
70	4270106	POR	2012-Sep-27	September-27-15	EVANS	G-1121	6

	Mineral Claim	District	Recording Date	Claim Due Date	Township	G Plan	Claim Units
71	4270112	POR	2012-Sep-27	September-27-15	EVANS	G-1121	16
72	4273559	POR	2012-Sep-27	September-27-15	EVANS	G-1121	16
73	4270107	POR	2012-Oct-09	October-09-15	EVANS	G-1121	16
74	4273552	POR	2012-Oct-09	October-09-15	SANDY	G-1209	12
75	4273557	POR	2012-Oct-09	October-09-15	EVANS	G-1121	16
76	4273558	POR	2012-Oct-09	October-09-15	EVANS	G-1121	10
77	4273560	POR	2012-Oct-09	October-09-15	EVANS	G-1121	16
78	4273561	POR	2012-Oct-09	October-09-15	EVANS	G-1121	12
79	4273588	POR	2012-Oct-15	October-15-15	CARTY	G-1070	16
80	4273592	POR	2012-Oct-15	October-15-15	PINOGAMI	G-1202	10
81	4273554	POR	2012-Nov-20	November-20-15	EVANS	G-1121	16
82	4273578	POR	2012-Nov-20	November-20-15	EVANS	G-1121	4
83	4273581	POR	2012-Nov-20	November-20-15	PINOGAMI	G-1202	16
84	4273582	POR	2012-Nov-20	November-20-15	PINOGAMI	G-1202	16
85	4273583	POR	2012-Nov-20	November-20-15	PINOGAMI	G-1202	8
86	4273585	POR	2012-Nov-20	November-20-15	PINOGAMI	G-1202	16
87	4273553	POR	2012-Nov-23	November-23-15	EVANS	G-1121	16
88	4273555	POR	2012-Nov-23	November-23-15	EVANS	G-1121	16
89	4273556	POR	2012-Nov-23	November-23-15	EVANS	G-1121	16
90	4273589	POR	2012-Nov-23	November-23-15	PINOGAMI	G-1202	16
91	4273590	POR	2012-Nov-23	November-23-15	PINOGAMI	G-1202	4
92	4273591	POR	2012-Nov-23	November-23-15	PINOGAMI	G-1202	16
93	4273594	POR	2012-Nov-23	November-23-15	PINOGAMI	G-1202	6
94	4273595	POR	2012-Nov-23	November-23-15	PINOGAMI	G-1202	16
95	4259615	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
96	4259616	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
97	4259617	POR	2010-Dec-21	December-21-15	SANDY	G-1209	8
98	4259618	POR	2010-Dec-21	December-21-15	SANDY	G-1209	16
99	4259619	POR	2010-Dec-21	December-21-15	SANDY	G-1209	16
100	4259620	POR	2010-Dec-21	December-21-15	SANDY	G-1209	8
101	4259621	POR	2010-Dec-21	December-21-15	HELLYER	G-1140	16
102	4259622	POR	2010-Dec-21	December-21-15	HELLYER	G-1140	16
103	4260424	POR	2010-Dec-21	December-21-15	SANDY	G-1209	16
104	4260425	POR	2010-Dec-21	December-21-15	HELLYER	G-1140	16
105	4260426	POR	2010-Dec-21	December-21-15	HELLYER	G-1140	16
106	4260428	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
107	4260429	POR	2010-Dec-21	December-21-15	RANEY	G-3245	16
108	4260430	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
109	4260431	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
110	4260432	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
111	4260436	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	8
112	4260437	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
113	4260442	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16

	Mineral Claim	District	Recording Date	Claim Due Date	Township	G Plan	Claim Units
114	4260894	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
115	4260895	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
116	4260896	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
117	4260897	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
118	4260898	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
119	4260899	POR	2010-Dec-21	December-21-15	CROCKETT	G-1093	16
120	4260900	POR	2010-Dec-21	December-21-15	RANEY	G-3245	16
121	4273573	POR	2012-Dec-21	December-21-15	CHEWETT	G-1083	8
122	4273572	POR	2012-Dec-28	December-28-15	HELLYER	G-1140	16
123	4273574	POR	2012-Dec-28	December-28-15	PINOGAMI	G-1202	16
124	4273575	POR	2012-Dec-28	December-28-15	PINOGAMI	G-1202	12
125	4273576	POR	2012-Dec-28	December-28-15	PINOGAMI	G-1202	10
126	4259101	POR	2010-Dec-31	December-31-15	SANDY	G-1209	8
127	4259104	POR	2010-Dec-31	December-31-15	SANDY	G-1209	12
128	4259109	POR	2010-Dec-31	December-31-15	SANDY	G-1209	16
129	4259111	POR	2010-Dec-31	December-31-15	SANDY	G-1209	16
130	4259114	POR	2010-Dec-31	December-31-15	SANDY	G-1209	16
131	4259119	POR	2010-Dec-31	December-31-15	SANDY	G-1209	16
132	4259124	POR	2010-Dec-31	December-31-15	SANDY	G-1209	8
133	4259142	POR	2010-Dec-31	December-31-15	PINOGAMI	G-1202	12
134	4259143	POR	2010-Dec-31	December-31-15	PINOGAMI	G-1202	12
135	4259144	POR	2010-Dec-31	December-31-15	CARTY	G-1070	12
136	4259145	POR	2010-Dec-31	December-31-15	CARTY	G-1070	12
137	4259146	POR	2010-Dec-31	December-31-15	CARTY	G-1070	12
138	4259147	POR	2010-Dec-31	December-31-15	IVANHOE	G-1102	12
139	4259148	POR	2010-Dec-31	December-31-15	IVANHOE	G-1102	6
140	4259150	POR	2010-Dec-31	December-31-15	IVANHOE	G-1102	15
141	4273596	POR	2013-Jan-11	January-11-16	COLLINS	G-3030	4
142	4204153	POR	2011-Jan-27	January-27-16	HELLYER	G-1140	16
143	4273571	POR	2013-Jan-28	January-28-16	PINOGAMI	G-1202	12
144	4218035	POR	2013-Feb-01	February-01-16	CHEWETT	G-1083	8
145	4259559	POR	2011-Feb-03	February-03-16	SANDY	G-1209	16
146	4259560	POR	2011-Feb-03	February-03-16	HELLYER	G-1140	16
147	4259562	POR	2011-Feb-03	February-03-16	HELLYER	G-1140	16
148	4259563	POR	2011-Feb-03	February-03-16	SANDY	G-1209	16
149	4259564	POR	2011-Feb-03	February-03-16	SANDY	G-1209	4
150	4259567	POR	2011-Feb-03	February-03-16	HELLYER	G-1140	16
151	4259568	POR	2011-Feb-03	February-03-16	HELLYER	G-1140	16
152	4260423	POR	2011-Feb-16	February-16-16	RANEY	G-3245	16
153	4260427	POR	2011-Feb-16	February-16-16	RANEY	G-3245	8
154	4260433	POR	2011-Feb-16	February-16-16	CROCKETT	G-1093	16
155	4260434	POR	2011-Feb-16	February-16-16	RANEY	G-3245	15
156	4260435	POR	2011-Feb-16	February-16-16	RANEY	G-3245	16

	Mineral Claim	District	Recording Date	Claim Due Date	Township	G Plan	Claim Units
157	4260438	POR	2011-Feb-16	February-16-16	CROCKETT	G-1093	16
158	4218033	POR	2011-Apr-18	April-18-16	CHEWETT	G-1083	4
159	4249913	POR	2011-Apr-18	April-18-16	COLLINS	G-3030	4
160	4260472	POR	2011-Apr-29	April-29-16	HELLYER	G-1140	13
161	4260473	POR	2011-Apr-29	April-29-16	HELLYER	G-1140	16
162	4262427	POR	2011-Apr-29	April-29-16	SANDY	G-1209	3

## GEOLOGY

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

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

The Wawa and Abitibi Subprovinces, which abut the KSZ, are volcano-plutonic terranes comprising low-grade metamorphic metavolcanic-metasedimentary belts. They contain lithologically diverse metavolcanic rocks with various intrusive suites and to a lesser extent chemical and clastic metasedimentary rocks. The individual greenstone belts within the subprovinces have been intruded, deformed and truncated by felsic batholiths. The east trending Abitibi and Swayze greenstone belts of the Abitibi subprovince have historically been explored and mined for a variety of commodities; while the Wawa subprovince hosts the east-trending Wawa greenstone belt and the Mishibishu greenstone belt where much exploration and mining has occurred.

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

## LOCAL GEOLOGY

The Borden Lake greenstone belt is a west trending belt of supracrustal rocks, approximately 3 km wide, that includes mafic to ultramafic gneiss, pillow basalt, felsic metavolcanic rocks, felsic porphyries and tonalites which are overlain by a +30 m thick suite of Timiskaming-aged clastic metasediments (Moser 1989, Moser 1994, Moser 2008, Percival 2008). The sediments comprise greywackes, arkose, arenite, quartz pebble conglomerate and polymictic cobble conglomerate, metamorphosed to upper amphibolite facies. Gneissic fabrics are evident and the rocks appear to have been affected by regional



deformation. Several episodes of deformation are reflected in the structural imprint of the rocks, with the last deformation being related to the development of the KSZ. The Borden Lake belt can be traced continuously for 35 km to the east and is considered to be one of the youngest in the KSZ (Percival and McGrath, 1986; Burnstall et al., 1994; Percival and West, 1994; Heather et al., 1995). The East Limb project is considered to be located within the Borden Lake greenstone belt, along its eastern extension. Similar rock types are observed, with the additional presence of anorthosites.

## **PREVIOUS WORK**

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

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

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

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

During the winter, spring and summer of 2014, Probe conducted ground geophysical surveys on its East limb property. Ground Induced Polarization (IP), magnetic and VLF surveys were completed on 5 grids on the East Limb property. The IP results for Grids 4 and 5 as well as all the magnetic and VLF survey results were filed for assessment in May 2014 under work report W1460.01165. The IP results of Grids 1, 2 and 3, were filed for assessment in September 2014 under work report W1460.01832. A drilling program in the fall of 2014 was filed under work report W1460.02461.

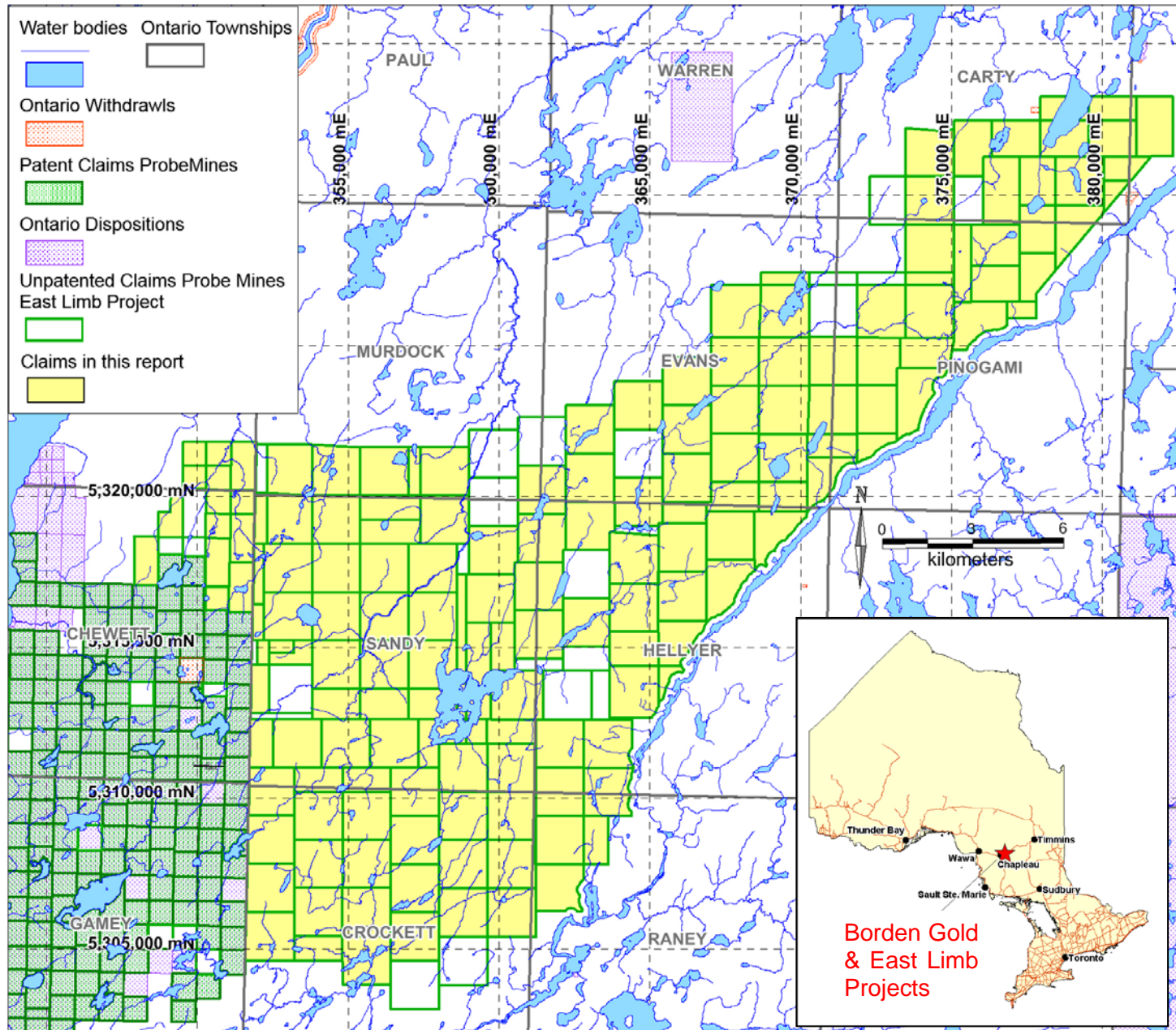


Figure 1- Location of the East Limb Project

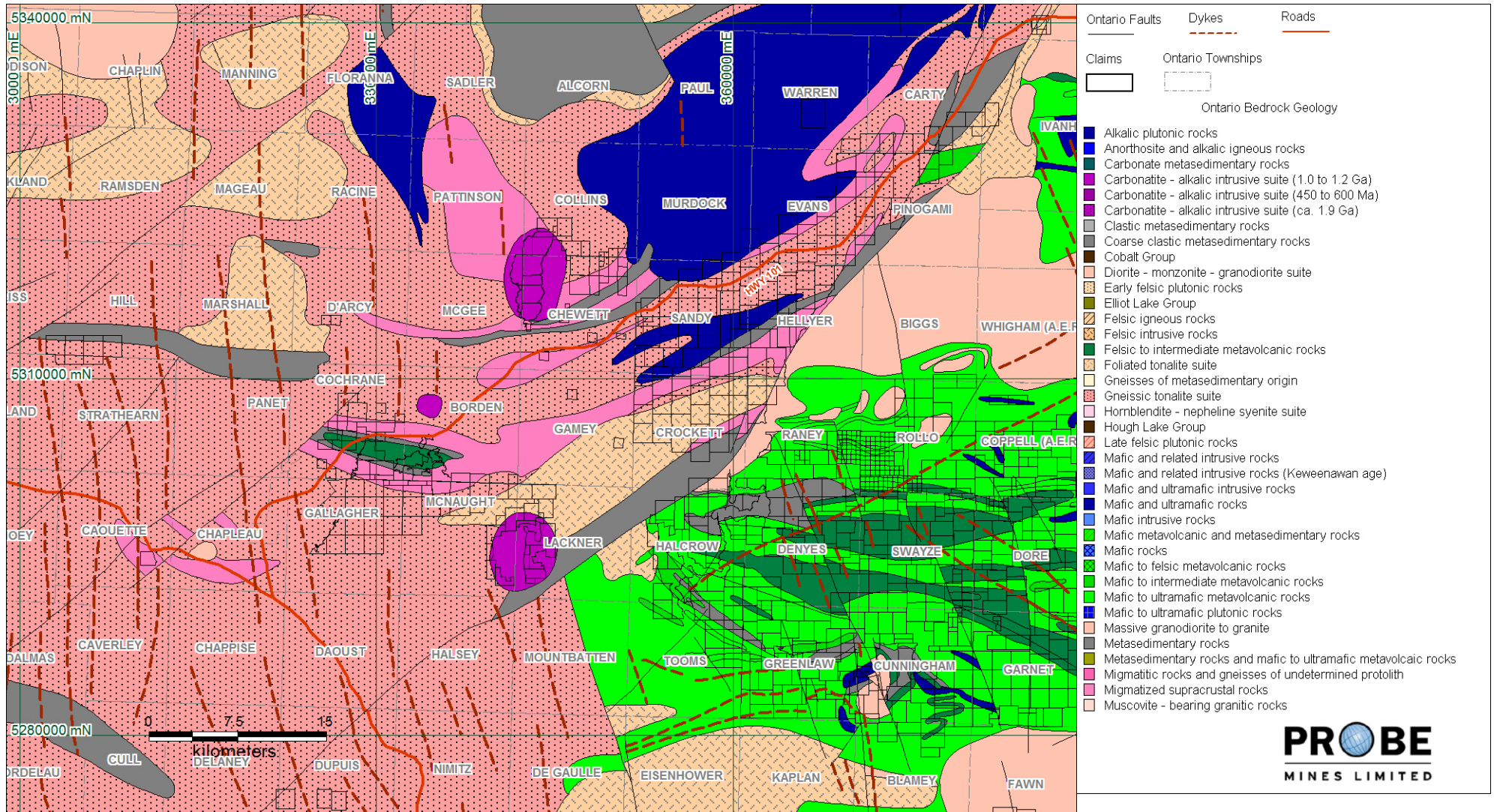


Figure 2 – General Geology of the Borden Gold and East Limb Project Areas

## **CURRENT WORK PROGRAMS**

During the summer of 2014, Probe Mines Limited conducted an exploration program on its East Limb property which included rock prospecting/sampling and till sampling. A total of 586 till samples and 530 rock samples were collected and analysed on the project claims. Breanne Beh, coordinated and planned the summer program with supervision by David Palmer and Sharon Allan.

Mapping and prospecting was completed in-house by 2 teams comprising a lead geologist and assistant. The program began on 22 May and continued until 30 August 2014. Till sampling was contracted to Billington Resources and was completed from 9 September to 7 October 2014. Data compilation and review was completed by Sharon Allan and Breanne Beh, both of whom contributed to this report.

## **PROSPECTING AND ROCK SAMPLING**

Prospecting was completed on the East Limb property from May 22 to June 3, June 24 to 29, July 1 to 22, August 5 to 9 and August 30. The work was completed by Breanne Beh assisted by Colin Dunham, and Skylar Schmidt assisted by either Craig Yuill, Gordon Mcfadden, Christine Shultis, Karl Prelak or Kurt Kenny.

The goals of the field work were twofold: a) to investigate targets identified by the previous summer's activities and b) to complete traverses across previously unexplored parts of the property.

The areas were accessed by truck, ATV or boat where necessary and they were then traversed on foot. A total of 530 rock samples were collected and sent for analysis. The UTM location was recorded with GPS and site observations recorded. Figure 3 displays the rock sample locations. Maps at a scale of 1:25,000 with each sample labelled are illustrated in Appendix 1 as well as a summary table of the locations and descriptions.

The majority of the rock samples were amphibole felsic gneiss (171 samples) with or without accessory biotite and/or garnet. This rock is typically described as predominantly fine- to medium-grained quartz and feldspars, >20% amphibole, +/- garnet, +/- biotite (>10%), +/- magnetite, +/- sulphides. The amphibole can be present as porphyroblasts or as irregular shaped lenses or clots and it can also be present as amphibole-rich layers.

Amphibolite gneiss, was also prevalent (61 samples) as well as garnet amphibolite gneiss (103 samples). The amphibolite gneiss is composed of >70% amphibole and plagioclase combined, typically 55-80% amphibole and 20-35% plagioclase, no garnet. It has weakly to strongly developed gneissic banding with melanocratic bands of amphibole, pyroxene, biotite and leucocratic bands of plagioclase, quartz and feldspars. The melanocratic bands are dominant. There is weak to strong foliation, and it is fine- to medium-grained. The garnet dominated variety is described as a gneissic rock composed of melanocratic bands of amphibole, pyroxene, biotite and leucocratic bands of plagioclase, quartz and feldspars, containing 15-30% garnet and displaying a moderate to strong foliation and being fine- to coarse-grained.

A total of fifty (50) biotite felsic gneiss samples were collected. This rock is predominantly fine- to medium-grained quartz and feldspars, >20% biotite, no garnet, +/- amphibole, +/- magnetite, +/- sulphides. On the Borden Gold property, biotite felsic gneiss refers to rocks with >30% biotite (corresponds to drill core) and it is interpreted to be a possible metasedimentary rock because it is interlayered with the metaconglomerate and garnet biotite felsic gneiss. Regionally, biotite felsic gneiss refers to rocks with >20% biotite to try highlight areas that might have similar aluminous alteration as is present on the Borden Gold property. They display a weak to strong foliation.

Amphibolites (15) and garnet amphibolites (17) were also collected which are mafic rocks composed of >70% amphibole and plagioclase combined. They predominantly contain amphibole, +/- garnet. They are dark black/green in colour, display a weak to strong foliation and are fine- to medium-grained.

Thirty-six (36) of the samples were Felsic Gneiss (S), the S denoting a sedimentary rock as the inferred protolith, and as such a paragneiss. Typically these were fine- to medium-grained with fabrics ranging from weak to strong. The outcrops were composed predominantly of quartz and feldspar with the biotite content ranging from 5-20%. In addition, some outcrops contained 0-5% garnet, trace to 1% pyrite, trace pyrrhotite, 10-15% amphibole and 1-2% magnetite.

Twenty three (23) samples of Garnet Biotite Felsic Gneiss were collected. A sedimentary rock is inferred as the protolith making it a paragneiss. Typically these were fine- to medium-grained with fabrics ranging from moderate to strong. The outcrops were composed predominantly of quartz and feldspar with the biotite content ranging from 30-35% and garnet from 4-15%.

Ten (10) outcrops of Pegmatite were recorded. The outcrops were composed of quartz and feldspar with biotite content ranging from 0-10%. These outcrops were very coarse-grained with a massive fabric.

The other 44 rocks were of differing varieties including amphibole felsic granofels, biotite felsic granofels, garnet felsic granofels, anorthosite, gabbroic gneiss, granodiorite, granite, diorite, porphyry duke and quartz vein.

Throughout the course of the summer, rock samples were sent in batches of 37 samples, along with 3 QAQC samples that comprised 2 certified standard materials and 1 blank sample. Batches were sent to Activation Laboratories in Timmins, ON to be crushed and pulverized, and then analyzed by gold Fire Assay (AA finish) and Aqua regia-MS Ultratrace 1.

## **Description of Analyses**

In Fire Assay Fusion, 30 g of the pulverized rock sample is mixed with fire assay fluxes (borax, soda ash, silica, litharge) and with Ag added as a collector. After being placed in a fire clay crucible, the mixture is preheated at 850°C, intermediate to 950°C and finished at 1060°C, with the full process lasting approximately 60 minutes. The crucibles are removed from the assay furnace and the molten slag (lighter material) is carefully poured from the crucible into a mould, leaving a lead button at the base of the mould. The lead button is placed in a preheated cupel which absorbs the lead when cupelled at 950°C to recover the Ag (doré bead) + Au. With an AA Finish, the entire Ag doré bead is dissolved in aqua regia and the gold content is determined by Atomic Absorption (AA). This is an instrumental method of determining element concentration by introducing an element in its atomic form, to a light beam of appropriate wavelength causing the atom to absorb light – atomic absorption. The reduction in the intensity of the light beam directly correlates with the concentration of the elemental atomic species. Detection limits for Fire Assay with AA finish are 5 to 3000ppb Au ([www.actlabs.com](http://www.actlabs.com)).

Ultratrace I, a fifty-nine (59) multi-element package, is an aqua regia partial digestion which utilizes a mixture of hydrochloric and nitric acids to dissolve sulphides, some oxides and some altered silicates. Base metals will normally be totally dissolved but this is dependent on mineralogy. A 0.5 g sample is digested in aqua regia at 90 ° C in a microprocessor controlled digestion block for 2 hours. Digested samples are diluted and analyzed by Perkin Elmer Sciex ELAN 6000, 6100 or 9000 ICP/MS ([www.actlabs.com](http://www.actlabs.com)). Detection Limits and the suite of elements for Ultratrace I are presented in Table 2.

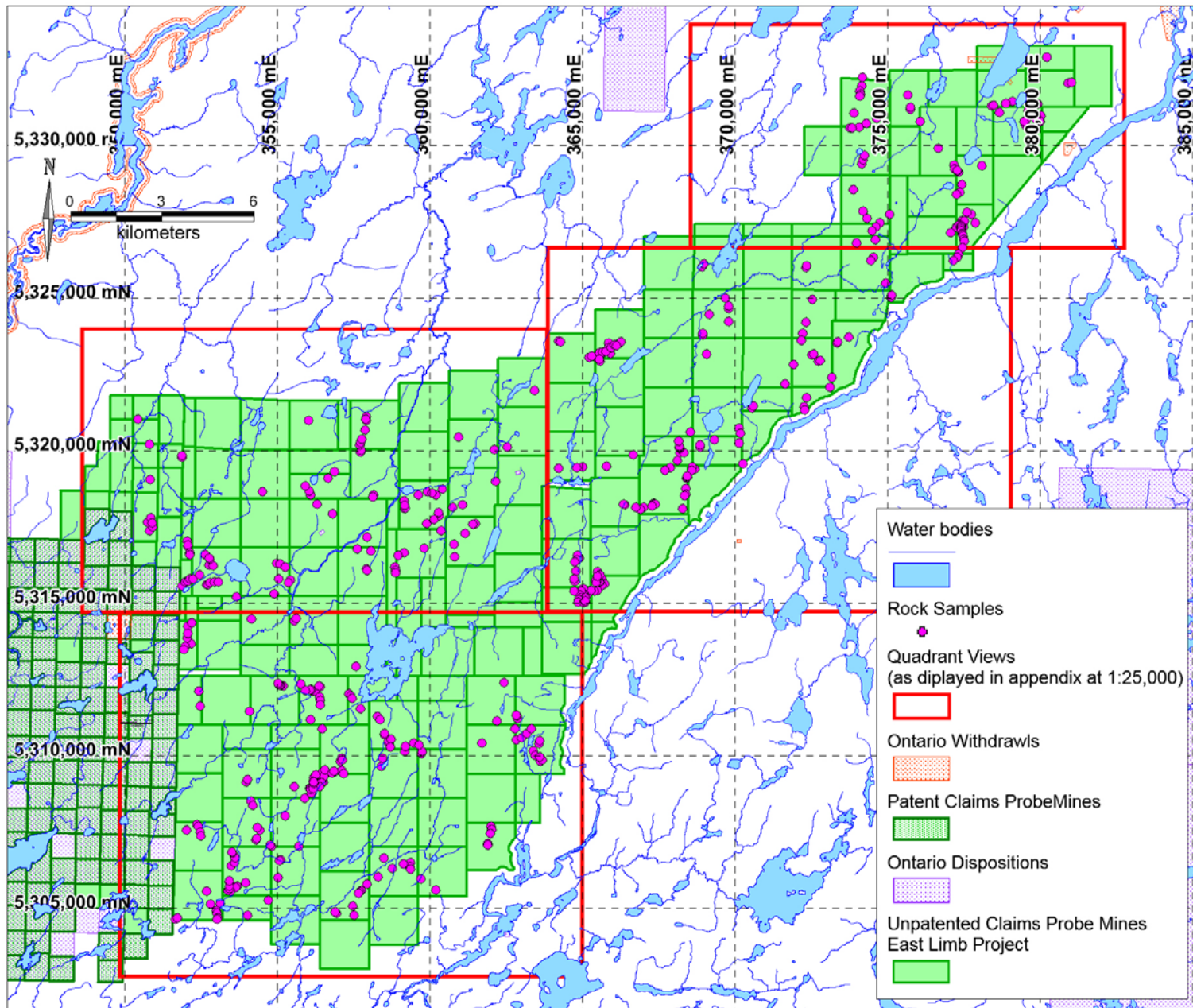


Figure 3 – Location Map of Rock Samples (see Appendix 1 for 1:25,000 maps)

**Table 2 – Detection Limits and the suite of elements for Ultratrace I**

Element	Units	Detection	Element	Units	Detection
Li	ppm	0.1	In	ppm	0.02
Be	ppm	0.1	Sn	ppm	0.05
B	ppm	1	Sb	ppm	0.02
Na	%	0.001	Te	ppm	0.02
Mg	%	0.01	Cs	ppm	0.02
Al	%	0.01	Ba	ppm	0.5
K	%	0.01	La	ppm	0.5
Bi	ppm	0.02	Ce	ppm	0.01
Ca	%	0.01	Pr	ppm	0.1
Sc	ppm	0.1	Nd	ppm	0.02
V	ppm	1	Sm	ppm	0.1
Cr	ppm	0.5	Eu	ppm	0.1
Mn	ppm	1	Gd	ppm	0.1
Fe	%	0.01	Tb	ppm	0.1
Co	ppm	0.1	Dy	ppm	0.1
Ni	ppm	0.1	Ho	ppm	0.1
Cu	ppm	0.01	Er	ppm	0.1
Zn	ppm	0.1	Tm	ppm	0.1
Ga	ppm	0.02	Yb	ppm	0.1
Ge	ppm	0.1	Lu	ppm	0.1
As	ppm	0.1	Hf	ppm	0.1
Se	ppm	0.1	Ta	ppm	0.05
Rb	ppm	0.1	W	ppm	0.1
Sr	ppm	0.5	Re	ppm	0.001
Y	ppm	0.01	Au	ppb	5
Zr	ppm	0.1	Tl	ppm	0.02
Nb	ppm	0.1	Pb	ppm	0.01
Mo	ppm	0.01	Th	ppm	0.1
Ag	ppm	0.002	U	ppm	0.1
Cd	ppm	0.01			

**TILL SAMPLING**

Till sampling was contracted out to Billington Resources and was supervised by Breanne Beh. Work was completed from 9 September to 7 October 2014. A total of 586 samples were collected on the East Limb claims. On the East Limb project sample locations were positioned as “traverses” along existing logging roads, ATV trails and canoe accessible rivers, with an approximate spacing of 500m between samples along a traverse.

At a sample site, approximately 10 to 12 kg of the C horizon soil (till) was collected with a shovel. The material was placed into a plastic bag along with a sample tag. The plastic sample bag was sealed with a ziptie and then placed into a rice bag, also sealed with a ziptie with the sample number labelled in permanent marker on the exterior. The UTM location was recorded with GPS and site observations recorded. Figure 4 displays the till sample locations. Maps at a scale of 1:25,000 with each sample labelled are illustrated in Appendix 4 as well as a summary table of the locations and descriptions.

At the end of the program, the samples were accounted for and organized by Breanne Beh then shipped to Overburden Drilling Management (“ODM”). At ODM the samples were submitted for gold grain counts and heavy mineral concentrate (HMC) processing. The HMCs were not picked for indicator minerals, however they were reviewed to provide mineral assemblages. Additionally a representative split of the

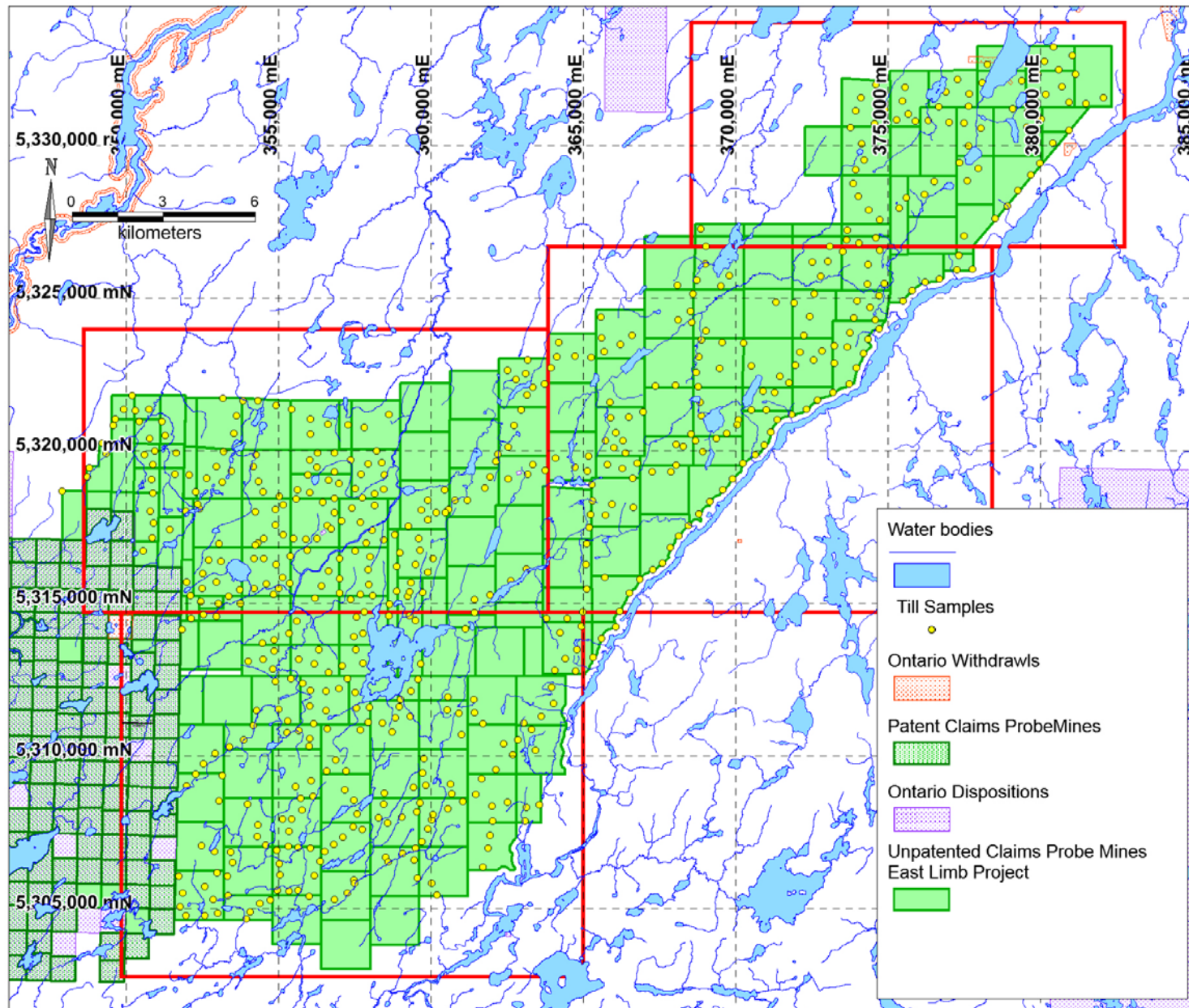


Figure 4 – Location Map of Till Samples (see Appendix 4 for 1:25,000 maps)



sample was taken and sieved to 0.063mm (clay+silt fraction). This was sent to Activation Laboratories for 1D enhanced INAA and UT1 ICP. Figure 5 illustrates the processing methodology at ODM.

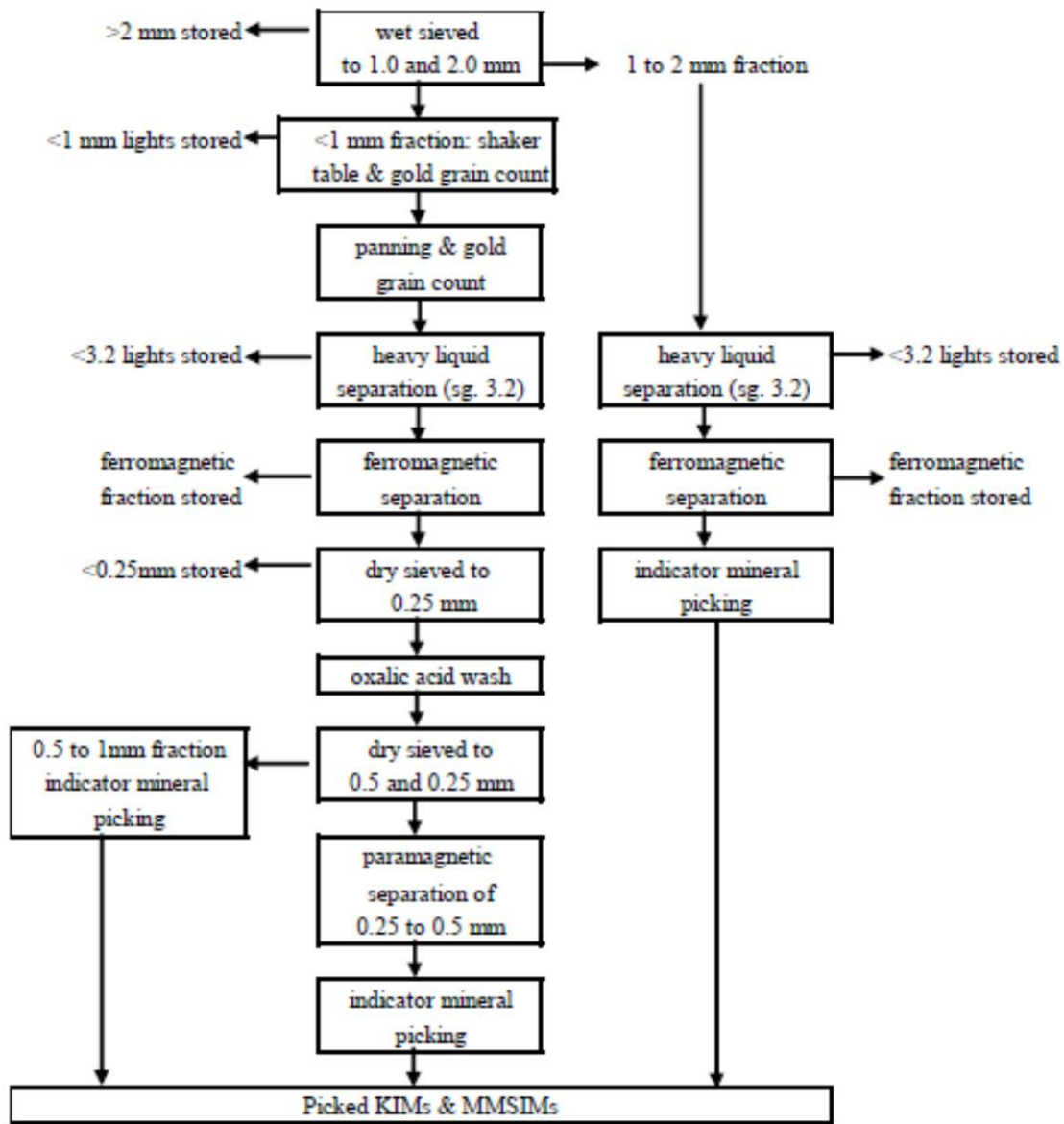


Figure 5 - Processing Methodology at Overburden Drilling Management

### Description of Analyses

1D Enhanced, a thirty five (35) multi-element package, is an instrumental neutron activation analysis and is a technique dependent on measuring gamma radiation induced in the sample by irradiation with neutrons. A nuclear reactor is normally the primary source of neutrons for irradiation. Each element that is activated emits a "fingerprint" of gamma radiation which can be measured and quantified. Multi-element analyses of practically any material from the smallest sample which can be weighed accurately to very large samples are routinely analyzed by INAA. A 30 g aliquot, if available, is encapsulated in a polyethylene vial and irradiated with flux wires at a thermal neutron flux of  $7 \times 10^{12} \text{ n cm}^{-2} \text{ s}^{-1}$ . After a

7-day decay to allow Na-24 to decay the samples are counted on a high purity Ge detector with resolution of better than 1.7 KeV for the 1332 KeV Co-60 photopeak. (www.actlabs.com). Detection Limits and the suite of elements for 1 D Enhanced are presented in Table 3.

**Table 3 – Detection Limits and the suite of elements for 1D Enhanced**

Element	Units	Detection	Element	Units	Detection
Au	ppb	2	Sc	ppm	0.1
Ag	ppm	5	Se	ppm	3
As	ppm	0.5	Sn	%	0.02
Ba	ppm	50	Sr	%	0.05
Br	ppm	0.5	Ta	ppm	0.5
Ca	%	1	Th	ppm	0.2
Co	ppm	1	U	ppm	0.5
Cr	ppm	5	W	ppm	1
Cs	ppm	1	Zn	ppm	50
Fe	%	0.01	La	ppm	0.5
Hf	ppm	1	Ce	ppm	3
Hg	ppm	1	Nd	ppm	5
Ir	ppb	5	Sm	ppm	0.1
Mo	ppm	1	Eu	ppm	0.2
Na	%	0.01	Tb	ppm	0.5
Ni	ppm	20	Yb	ppm	0.2
Rb	ppm	15	Lu	ppm	0.05
Sb	ppm	0.1			

Methodology and detection limits for Ultratrace I are detailed above in the Description of Analyses for the Rock Sampling program.

## RESULTS

### Rock Samples

Certificates of Analysis for the 530 prospecting rock samples are presented in Appendix 2. Maps illustrating concentration ranges for select elements including Gold (Au), Silver (Ag), Copper (Cu) and Zinc (Zn) are presented at a scale of 1:25000 in Appendix 3.

Four (4) samples contained gold >50 ppb by Aqua Regia digest, two of which illustrated corresponding values in Fire Assay. These were FD01195 (75.4 ppb ARMS, 104 ppb FA-AA); FD01585 (120 ppb ARMS, 116 ppb FA-AA); FD01691 (90.2 ppb ARMS, 2.5 ppb FA-AA) and FD01691 (58.5 ppb ARMS, 2.5 ppb FA-AA).

None of the samples contained anomalous silver. Eleven (11) samples returned copper > 250ppm and include FD01502, FD01633, FD01637, FD01752, FD01763, FD01769, FD01525, FD01786, FD01580, FD01809 and FD02056. Two (2) samples, FD01604 and FD01190 returned zinc > 249 ppm.

### Till Samples

Certificates of Analysis for the 586 till samples are presented in Appendix 5, and include certificates from both Overburden Drilling Management as well as Actlabs. Maps illustrating visible gold grain counts and also concentration ranges for select elements including Gold (Au), Silver (Ag), Copper (Cu) and Zinc (Zn) are presented at a scale of 1:25000 in Appendix 6.

Thirteen (13) samples contained gold grain counts greater than 4 (four) and considered part of the 98<sup>th</sup> percentile. These samples include S02639, S02731, S02879, S02894, S03024, S03025, S03027, S03042, S03345, S03346, S03352, S03384 and S05925. Samples that returned gold >20 ppb by Aqua Regia include S02653, S02680, S02681, S02699, S02733 and S03030, while samples S02876, S02965, S03144 and S03361 returned > 25ppb by INAA.

None of the samples returned anomalous values for silver. Six (6) samples returned Zinc > 50 ppm and are S02721, S02884, S02892, S03057, S03128, S05934. The following ten (10) samples contained copper >50 ppm: S02627, S02678, S02686, S02892, S02909, S02931, S02963, S03357, S03362, S06500.

## **RECOMMENDATIONS**

The results of the 2014 rock and till sampling programs on the East Limb project indicate that there are areas that warrant follow up work.

For the rock samples that returned anomalous gold values, it is recommended that the specific units are investigated further at surface and the area mapped in greater detail. For the till samples that returned anomalous gold grains, infill samples along a tighter sample spacing (50-100m) and additional parallel lines up- and down- ice should be completed.

The work expenditures for the 2014 programs will be applied to the claims to keep them in good standing.

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