We are committed to providing accessible customer service.
If you need accessible formats or communications supports, please contact us.

Nous tenons à améliorer l’accessibilité des services à la clientèle.
Si vous avez besoin de formats accessibles ou d’aide à la communication, veuillez nous contacter.

Broken Rock Resources Ltd.

Work Report On

Claim # 201651, 226706, 312236

343720, 545422, 545424, 545426

Wishbone Project

(on Horseshoe Lake)

Uneven Lake Area

Thunder Bay South Mining Division

May 2019

Liane Boyer P.Geo.

Table of Contents

List of Figures

List of Tables

Appendices

Introduction

The Wishbone project is located in the Uneven Lake and Kashishibog Lake Areas in the Thunder Bay South Mining Division. Geologically it is within the Obonga Lake Greenstone belt in the Wabigoon sub province of the Superior Craton. The property was staked to cover a magnetic and EM anomaly that lies on the eastern side of Horseshoe Lake. This area was previously explored by Dome Exploration in 1971 and by BHP Minerals in 1991. Both companies were following up on EM conductors identified in regional surveys. From May 25-27, 2017 Broken Rock Resources conducted prospecting and a beep mat survey over the northeast corner of the property to refine the previously identified anomalies.

Location & Access

The project is located 71 km SW of Armstrong and 166 km NNW of Thunder Bay, centered approximately at 300500 mE 5529000 mN UTM ZN16 (figure 1). The project can be accessed by float plane into Leigh Lake in the summer and by ski plane in the winter or by helicopter any time of year.

Figure 1: Location map of Wishbone Project

Claim Detail

The property was originally a 16-unit claim (4282347) that was staked in December of 2015. The claim was converted to 16 single unit claims with the MLAS conversion on April 10th, 2018. As of the reporting date the property consists of 4 of the conversion date claims and 30 additional claims staked March 7, 2019 (figure 2, table 1).

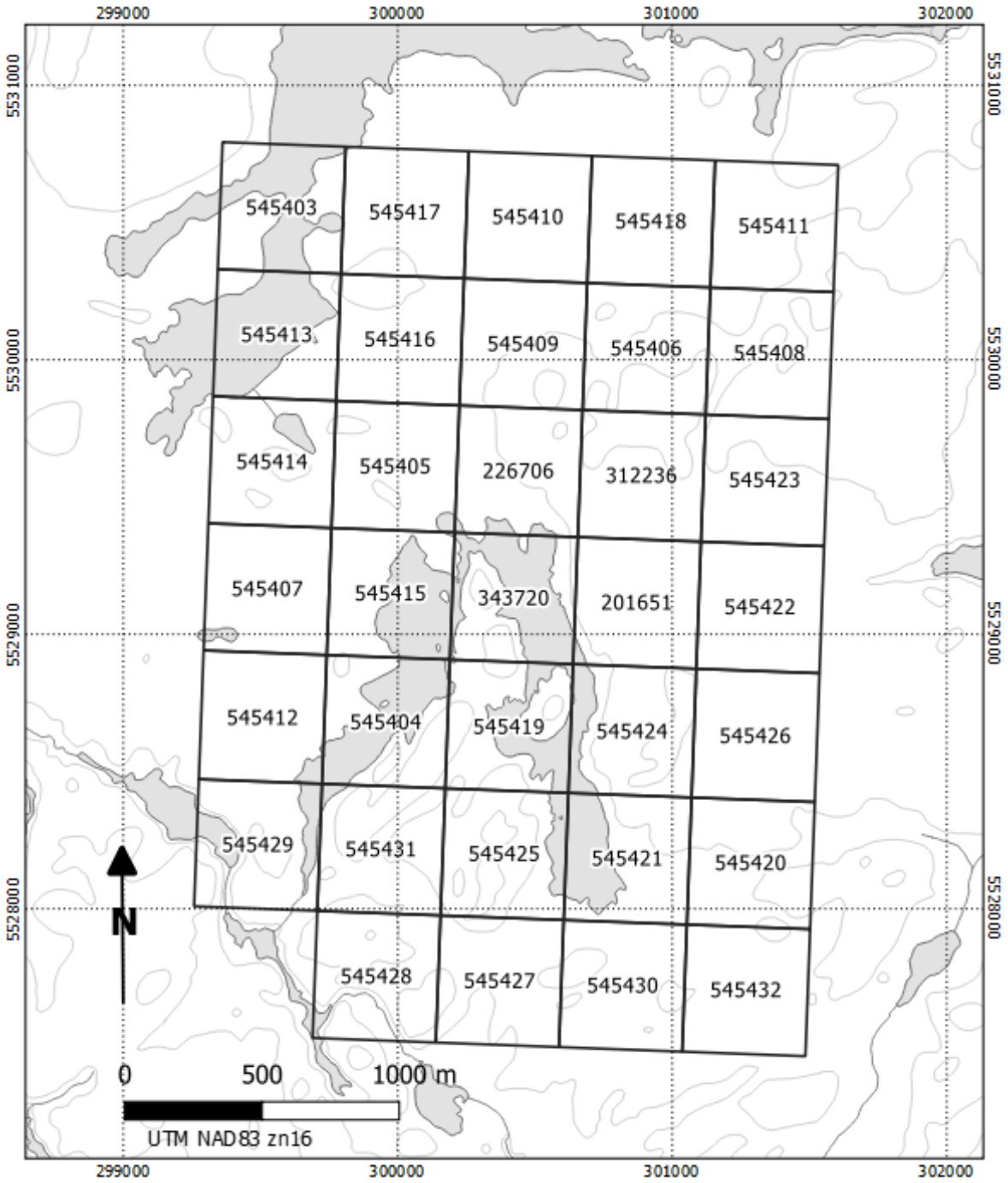


Figure 2: Claim map of Wishbone Project

Township	Claim Number	Registration Date	Claim Due Date	Status	Area (hec)	Work Required	Total Applied	Total Reserve
Uneven Lk	226706	April 10 2018	Dec 16 2024	Active	20.8	$400	$2,400	$1,739
Uneven Lk	312236	April 10 2018	Dec 16 2024	Active	20.8	$400	$2,400	$1,740
Uneven Lk	343720	April 10 2018	Dec 16 2024	Active	20.8	$400	$2,400	$1,740
Uneven Lk	201651	April 10 2018	Dec 16 2024	Active	20.8	$400	$2,400	$1,739
Uneven Lk	545403	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545417	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545410	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545418	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545411	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545413	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545416	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545409	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545406	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545408	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545414	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545405	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545423	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545407	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545415	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545422	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545412	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545404	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545419	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545424	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Uneven Lk	545426	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545429	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545431	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545425	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545421	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545420	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545428	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545427	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545430	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
Kashishibog Lk	545432	March 7 2019	March 7 2021	Active	20.8	$400	$0	$0
				TOTAL	707	$13,600	$9,600	$6,958

Table 1: Wishbone Property claim details

Previous Work

Industry exploration programs and government surveys have taken place over the Obonga Lake Greenstone Belt and in proximity to Horseshoe Lake.

Regional mapping was conducted by the Ontario Department of Mines in 1967 (P0456-Leigh Lake Map).

Dome Exploration Ltd conducted 826 m of drilling over 9 drill holes in Feb Mar April 1971. This program targeted EM conductors in mafic volcanic rocks in search of VMS style mineralization. They intersected intervals of stringer and massive sulphide with anomalous Au, Ag, Zn and Pb values.

BHP Minerals conducted 1,172 line km of fixed wing TDEM and magnetic survey over the greenstone belt in October 1990 and January 1991. BHP also conducted regional mapping and prospecting in 1991 and 285 m of drilling in 2 drill holes near Horseshoe Lake in January 1992. They intersected intervals of stringer and massive sulphide.

In 1999 the OGS conducted a regional EM and magnetic airborne survey over the Garden Obonga Area.

Regional Geology & Property Geology

The Horseshoe Project is located within the Obonga Lake Greenstone Belt in the Wabigoon Subprovince of the Superior Province. The greenstone belt comprises archean supracrustal metavolcanic and metasedimentary rocks. Late archean gabbro intrusions exist near Awkward Lake and Proterozoic diabase sheets cover eastern extensions of the greenstone belt.

Locally the geology of the Horseshoe project is dominated by mafic and intermediate metavolcanic rocks with massive texture and strong foliation that is steeply dipping with NNE strike. Felsic tuff was mapped by government and industry surveys near Horseshoe Lake. Historic drilling has intersected zones of massive and semi-massive sulfide within the metavolcanics rocks.

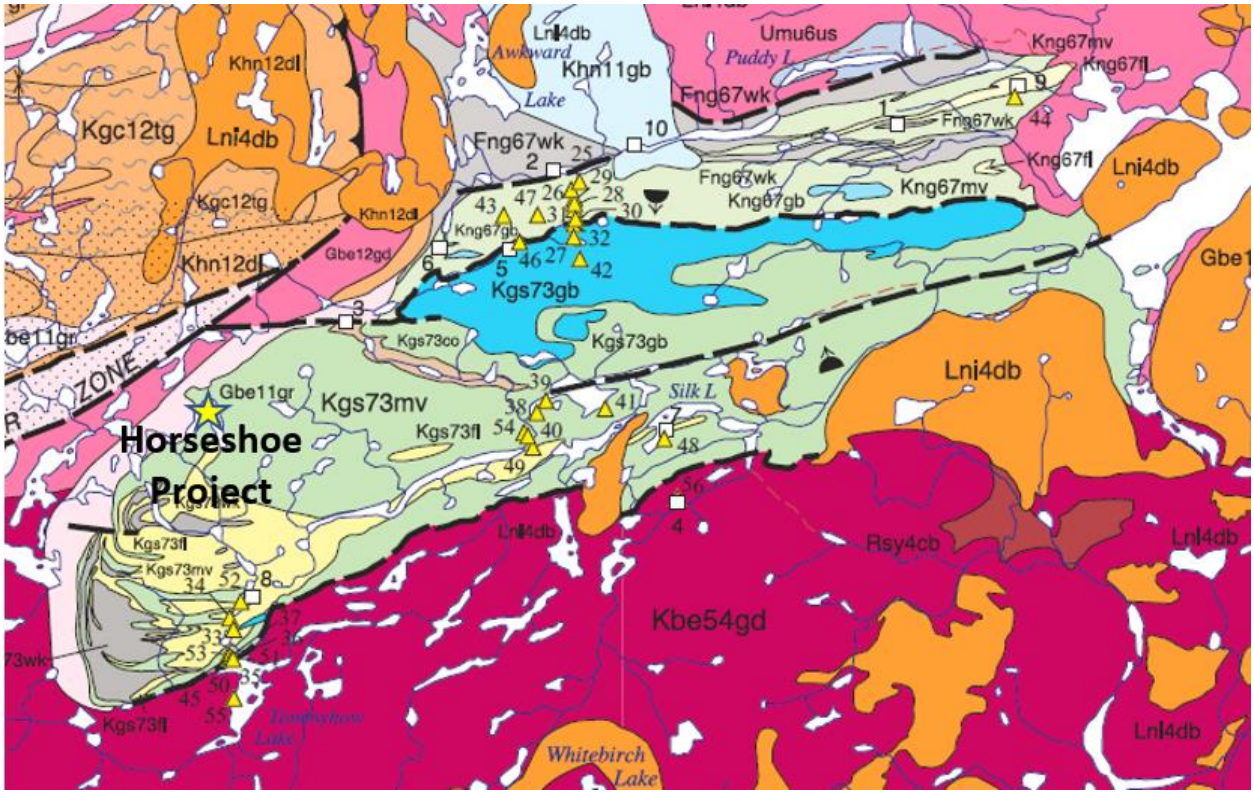


Figure 3: Regional Geology of the Obonga Greenstone belt (from Ontario Geological Survey 2011). Wishbone Project shown by yellow star

Exploration Work Conducted

Prospecting and a beep mat survey were conducted over the property on May 25, 26 and 27 2017. A large portion of the target area is covered by overburden but where exposed, bedrock was sampled. A total of 19 rock samples and 3 soil samples (figure 5, Appendix B) were collected over the target area. Samples were taken to help resolve lithologic relationships, identify alteration and mineralization. Outcrop was included metamorphosed felsic, mafic and intermediate volcanic rocks, iron formation and quartz veining. Chlorite and sericite alteration is common in the area as noted in the sample descriptions (appendix B). None of these samples have been submitted for assay.

Relative EM conductivity and magnetic data was collected using a beep mat. A total of 53 beep mat stations were collected (figure 5, Appendix A). The beep mat coverage was collected during prospecting and did not have prescribed line spacing or orientation. Prospecting and beep mat coverage focused on collecting additional information in proximity to the conductive anomaly reported by Dome Exploration and the magnetic high identified in the Garden Obonga Airborne Survey. The grid was established during the survey and grid lines were not cut. Thick jack pine regenerative growth slowed progress through much of the grid area.

Prospecting was conducted to add additional information and find the source of the magnetic anomalies identified in historic airborne surveys. A maximum value of 1515 HFR (high frequency response) and 58% Rt (intrinsic conductivity ratio) at station BM049 and 1200 MAG (~1.2% magnetite) at stations BM020 and BM037 was recorded on the surveyed area.

Survey Information

Established:	during survey, roughly east west orientation, no line cutting
Line spacing:	no set line spacing
Coordinate system:	UTM NAD 83 zone 16
Base station:	none
Rover unit:	GDD BEEP Mat model BM4+
HFR value:	high frequency response in hertz, specific reaction to the presence of a conductor near the probe
MAG value:	relative susceptibility in hertz, specific reaction of the probe to a magnetic body
Rt value:	(Ratio) indicates the quality of the conductor (intrinsic conductivity) and is independent of the quantity of material present

Personnel

Liane Boyer	Project management, Reporting
Cameron McLean:	Prospecting
Steve Hart:	Prospecting

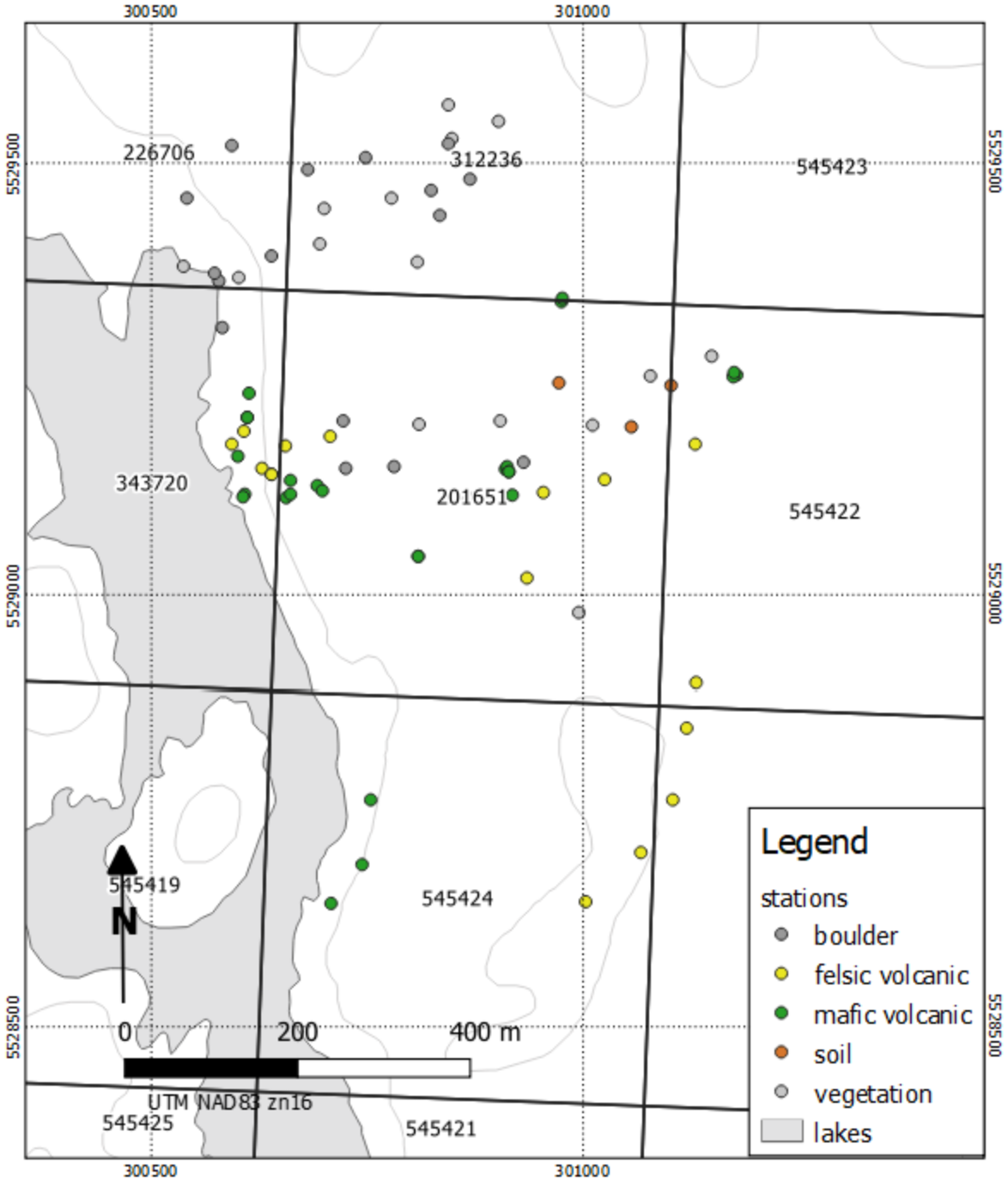


Figure 4: Plan map of prospecting stations

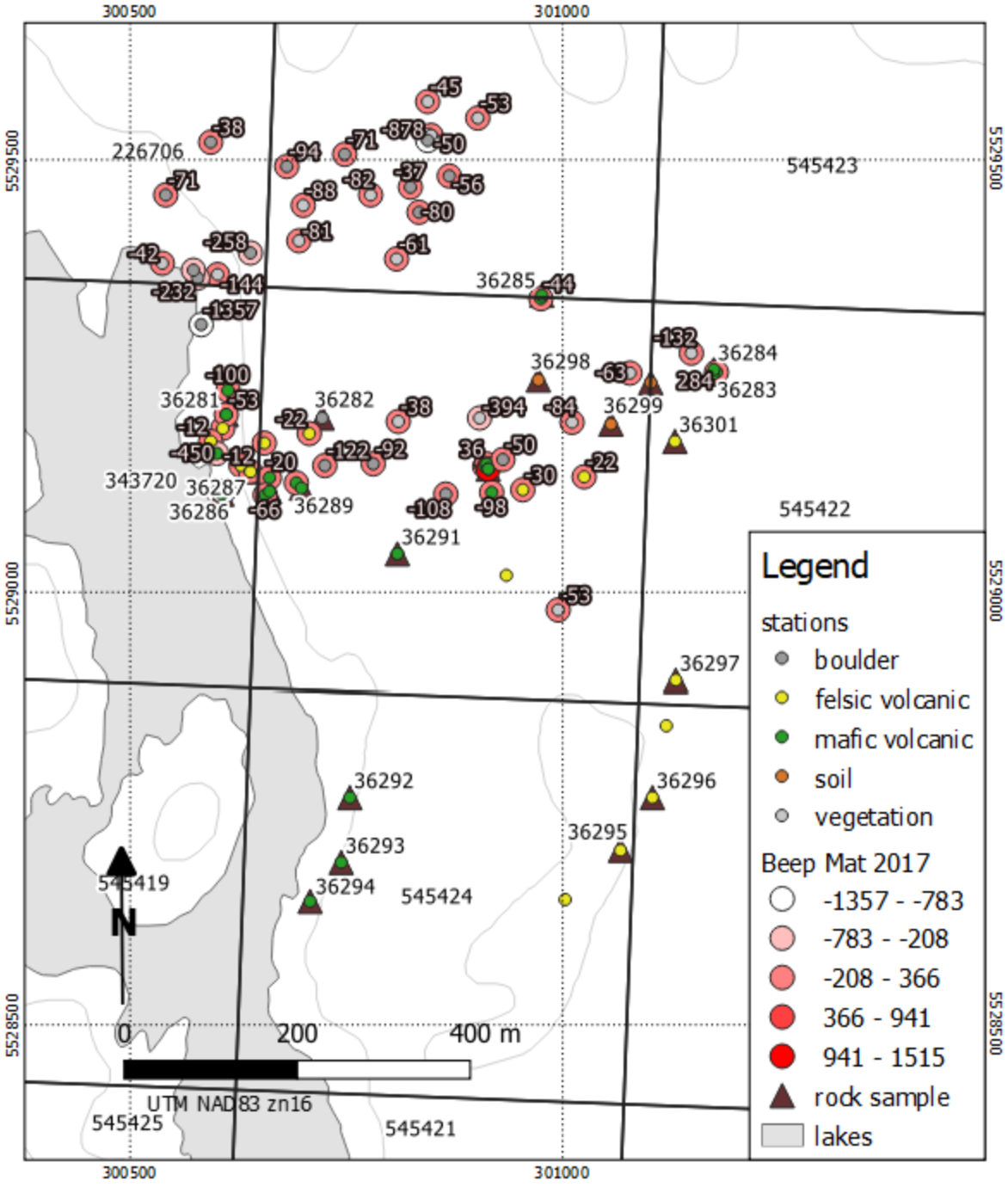


Figure 5: Plan map with BEEP mat and sample location

Conclusions & Recommendations

Several samples display chlorite and sericite alteration with disseminate sulfides which is consistent with VMS style alteration. Additional sampling is recommended to the west (footwall) to see if additional alteration and mineralization can be identified.

The beep mat survey was not successful at further defining the airborne magnetic anomaly. Some of the anomalous readings were coincident with the conductor identified in the historic airborne survey.

Drilling is recommended for this target. It is recommended that 4 drill holes totalling 600 m and an all-in cost of $350 per metre resulting in a total drill program cost of approximately $210,000.

References

Hart, T.R. 2000. Precambrian geology, Garden Lake area; Ontario Geological Survey, Open File Report 6037, 82p.

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release Data 126 Revision 1.

Ontario Geological Survey 2003. Ontario airborne geophysical surveys, magnetic and electromagnetic data, Garden-Obonga area; Geophysical Data Set 1105 – revised.

Appendix A
Beep map and station table

waypoint	easting	northing	elevation	zone	date	HFR	MAG	surface cover	vegetation	foliation strike	foliation dip	rock_code
BM001	300541	5529459	504	16U	25-May-17	-71	-46	boulder	birch and jack pine			bldr
BM002	300593	5529520	514	16U	25-May-17	-38	-23	boulder	birch and jack pine			bldr
BM003	300681	5529492	515	16U	25-May-17	-94	-23	boulder	birch and jack pine			bldr
BM004	300748	5529506	517	16U	25-May-17	-71	-48	boulder	birch and jack pine			bldr
BM005	300824	5529468	517	16U	25-May-17	-37	-14	boulder	birch and jack pine			bldr
BM006	300869	5529481	516	16U	25-May-17	-56	-41	boulder	birch and jack pine			bldr
BM007	300902	5529548	517	16U	25-May-17	-53	-3	vegetation	jack pine			veg
BM008	300844	5529567	517	16U	25-May-17	-45	-3	vegetation	jack pine			veg
BM009	300848	5529528	517	16U	25-May-17	-50	-27	vegetation	low shrubs			veg
BM010	300844	5529522	517	16U	25-May-17	-878	-821	boulder	low shrubs			bldr
BM011	300834	5529439	517	16U	25-May-17	-80	-22	boulder	low shrubs			bldr
BM012	300778	5529459	519	16U	25-May-17	-82	-40	vegetation	jack pine			veg
BM013	300700	5529447	519	16U	25-May-17	-88	-54	vegetation	aspen and birch			veg
BM014	300695	5529406	519	16U	25-May-17	-81	-34	vegetation	aspen and birch			veg
BM015	300639	5529392	515	16U	25-May-17	-258	-238	boulder	aspen and jack pine			bldr
BM016	300601	5529367	508	16U	25-May-17	-144	-111	vegetation	birch			veg
BM017	300578	5529363	505	16U	25-May-17	-232	-167	boulder	low shrubs			bldr
BM018	300573	5529372	505	16U	25-May-17	-540	-478	boulder	low shrubs			bldr
BM019	300537	5529380	505	16U	25-May-17	-42	-10	vegetation	low shrubs			veg
BM020	300582	5529309	505	16U	25-May-17	-1357	-1275	boulder	jack pine			bldr
BM021	300613	5529233	511	16U	25-May-17	-100	-90	outcrop	jack pine	208	-70	mvol
BM022	300607	5529189	512	16U	25-May-17	-31	-7	outcrop	jack pine			fvol
BM023	300611	5529205	512	16U	25-May-17	-53	-34	outcrop	jack pine			mvol
BM024	300593	5529174	510	16U	25-May-17	-12	-9	outcrop	low shrubs			fvol
BM025	300568	559159	509	16U	25-May-17	-22	0	boulder	jack pine			bldr
BM026	300600	5529160	510	16U	25-May-17	-450	-420	outcrop	jack pine	180	-74	mvol
BM027	300655	5529172	516	16U	25-May-17	-23	-4	outcrop	jack pine			fvol
BM028	300707	5529183	520	16U	25-May-17	-22	-1	outcrop	jack pine			fvol
BM029	300810	5529197	522	16U	25-May-17	-38	-9	vegetation	peat			veg
BM030	300904	5529201	523	16U	25-May-17	-394	-36	vegetation	jack pine			veg
BM031	301011	5529196	522	16U	25-May-17	-84	-40	vegetation	peat			veg
BM032	301078	5529253	522	16U	25-May-17	-63	-23	vegetation	jack pine			veg
BM033	301149	5529276	522	16U	25-May-17	-132	-105	vegetation	peat			veg
BM034	301178	5529254	524	16U	25-May-17	284	91	outcrop	jack pine			mvol
BM035	300975	5529339	526	16U	25-May-17	-44	-27	outcrop	birch and jack pine			mvol
BM036	300808	5529385	524	16U	25-May-17	-61	-20	vegetation	aspen and birch			veg
BM037	300608	5529116	498	16U	26-May-17	-1234	-1199	outcrop	low shrubs	210	-88	mvol
BM038	300628	5529146	505	16U	26-May-17	-14	-9	outcrop	jack pine			fvol
BM039	300639	5529139	505	16U	26-May-17	-12	-5	vegetation	alders			veg

waypoint	easting	northing	elevation	zone	date	HFR	MAG	surface cover	vegetation	foliation strike	foliation dip	rock_code
BM040	300661	5529132	505	16U	26-May-17	-20	-17	outcrop	jack pine	280	-85	mvol
BM041	300656	5529112	509	16U	26-May-17	-66	-48	outcrop	alders	200	-85	mvol
BM042	300692	5529126	510	16U	26-May-17	-54	-37	outcrop	alders	260	-85	mvol
BM043	300725	5529146	510	16U	26-May-17	-122	-28	boulder	alders			bldr
BM044	300781	5529148	510	16U	26-May-17	-92	-19	boulder	alders			bldr
BM045	300865	5529113	512	16U	26-May-17	-108	-40	boulder	jack pine			bldr
BM046	300918	5529115	510	16U	26-May-17	-98	-74	outcrop	jack pine			mvol
BM047	300910	5529145	510	16U	26-May-17	330	59	outcrop	jack pine			mvol
BM048	300912	5529148	511	16U	26-May-17	36	-20	outcrop	aspen	235	-78	mvol
BM049	300914	5529142	511	16U	26-May-17	1515	883	outcrop	jack pine			mvol
BM050	300931	5529153	512	16U	26-May-17	-50	-30	boulder	jack pine			bldr
BM051	300954	5529118	513	16U	26-May-17	-30	-24	outcrop	jack pine			fvol
BM052	301025	5529133	513	16U	26-May-17	-22	-9	outcrop	alders	176	-84	fvol
BM053	300995	5528979	514	16U	26-May-17	-53	-13	vegetation	peat			veg
ST054	300935	5529019	515	16U	26-May-17			outcrop	jack pine			fvol
ST055	300809	5529044	513	16U	26-May-17			outcrop	low shrubs	224	-86	mvol
ST056	301003	5528646	526	16U	26-May-17			outcrop	alders	196	-90	fvol
ST057	301120	5528847	525	16U	26-May-17			outcrop	alders	192	-90	fvol
36281	300611	5529205	512	16U	25-May-17			outcrop	jack pine			mvol
36282	300722	5529201	520	16U	25-May-17			boulder	jack pine			bldr
36283	301174	5529252	523	16U	25-May-17			outcrop	jack pine	205		mvol
36284	301175	5529257	524	16U	25-May-17			outcrop	jack pine			mvol
36285	300976	5529343	525	16U	25-May-17			outcrop	birch and jack pine			mvol
36286	300606	5529113	498	16U	26-May-17			outcrop	low shrubs	210	-88	mvol
36287	300639	5529139	505	16U	26-May-17			outcrop	jack pine	230	-88	fvol
36288	300661	5529116	509	16U	26-May-17			outcrop	alders			mvol
36289	300698	5529120	510	16U	26-May-17			outcrop	alders	208	-75	mvol
36290	300914	5529142	511	16U	26-May-17			outcrop	jack pine			mvol
36291	300809	5529044	513	16U	26-May-17			outcrop	jack pine	232	-80	mvol
36292	300754	5528764	514	16U	26-May-17			outcrop	low shrubs			mvol
36293	300744	5528689	513	16U	26-May-17			outcrop	low shrubs			mvol
36294	300708	5528644	510	16U	26-May-17			outcrop	low shrubs			mvol
36295	301067	5528703	524	16U	26-May-17			outcrop	jack pine	228	-82	fvol
36296	301104	5528764	524	16U	26-May-17			outcrop	jack pine			fvol
36297	301131	5528898	527	16U	26-May-17			outcrop	jack pine	210	-90	fvol
36298	300972	5529245	520	16U	27-May-17			soil	jack pine			soil
36299	301056	5529194	518	16U	27-May-17			soil	jack pine			soil
36300	301102	5529242	517	16U	27-May-17			soil	jack pine			soil
36301	301130	5529174	517	16U	27-May-17			outcrop	jack pine			fvol
36302	-	-	-	16U	27-May-17			outcrop	jack pine			fvol

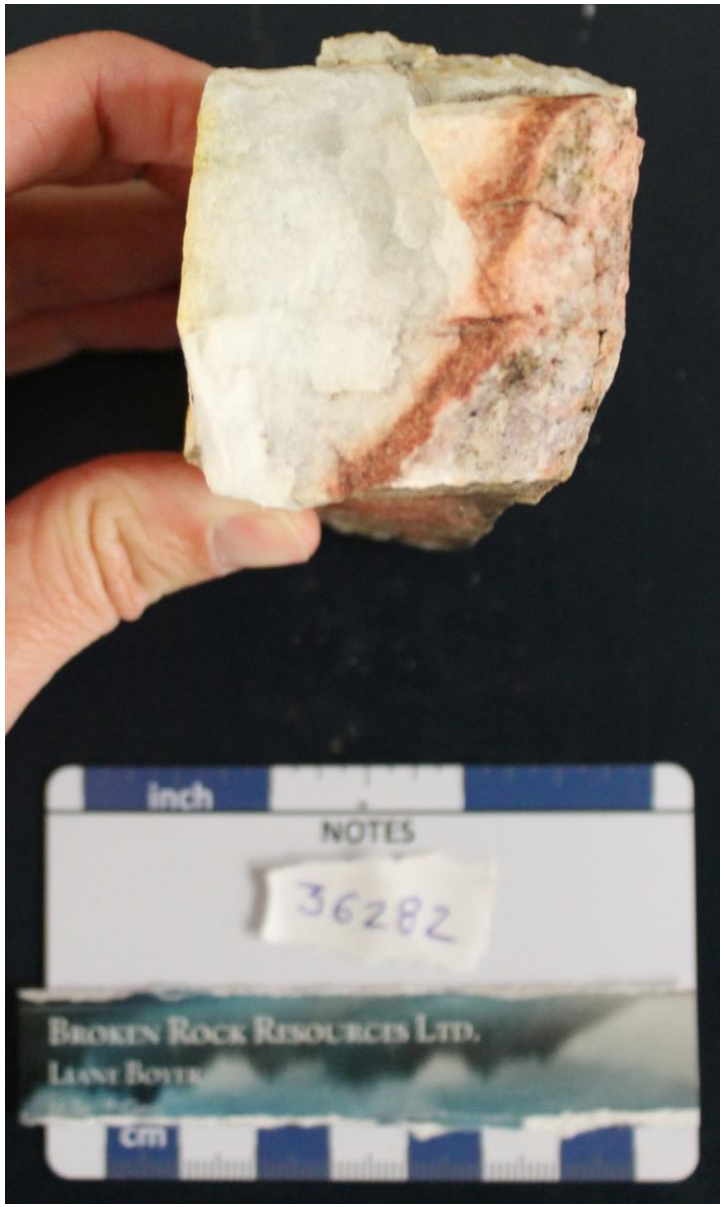
Appendix B
Sample descriptions

waypoint	Easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36281	300611	5529205	512	16U	25-May-17	outcrop			qtz vein with pyr in mafic volc

Lenticular discontinuous quartz ‘vein’ material with intermixed fine grained dark grey green chloritic rock. Orange/brown rusty fractures/veinlets and disseminated rusty pyrite pseudomorphs.

Quartz Vein in Altered Mafic MetaVolcanic

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36282	300722	5529201	520	16U	25-May-17	boulder			qtz vein in 1 m bldr, strong altn



Fine grained (0.5mm) sugary white quartz in vein with red staining along selvedge.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36283	301174	5529252	523	16U	25-May-17	outcrop	205		mafic volc, trace sulfides, minor qtz veins

Massive strongly foliated medium grey, fine grained. Fine grained veinlets with pink tinge. Biotite + garnet?

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36284	301175	5529257	524	16U	25-May-17	outcrop			mafic volc, minor qtz veins

Massive Fine grained grey intermediate to mafic metavolcanic rock.
Pinkish tinge – very fine light pink grains –garnet (?)
Non magnetic

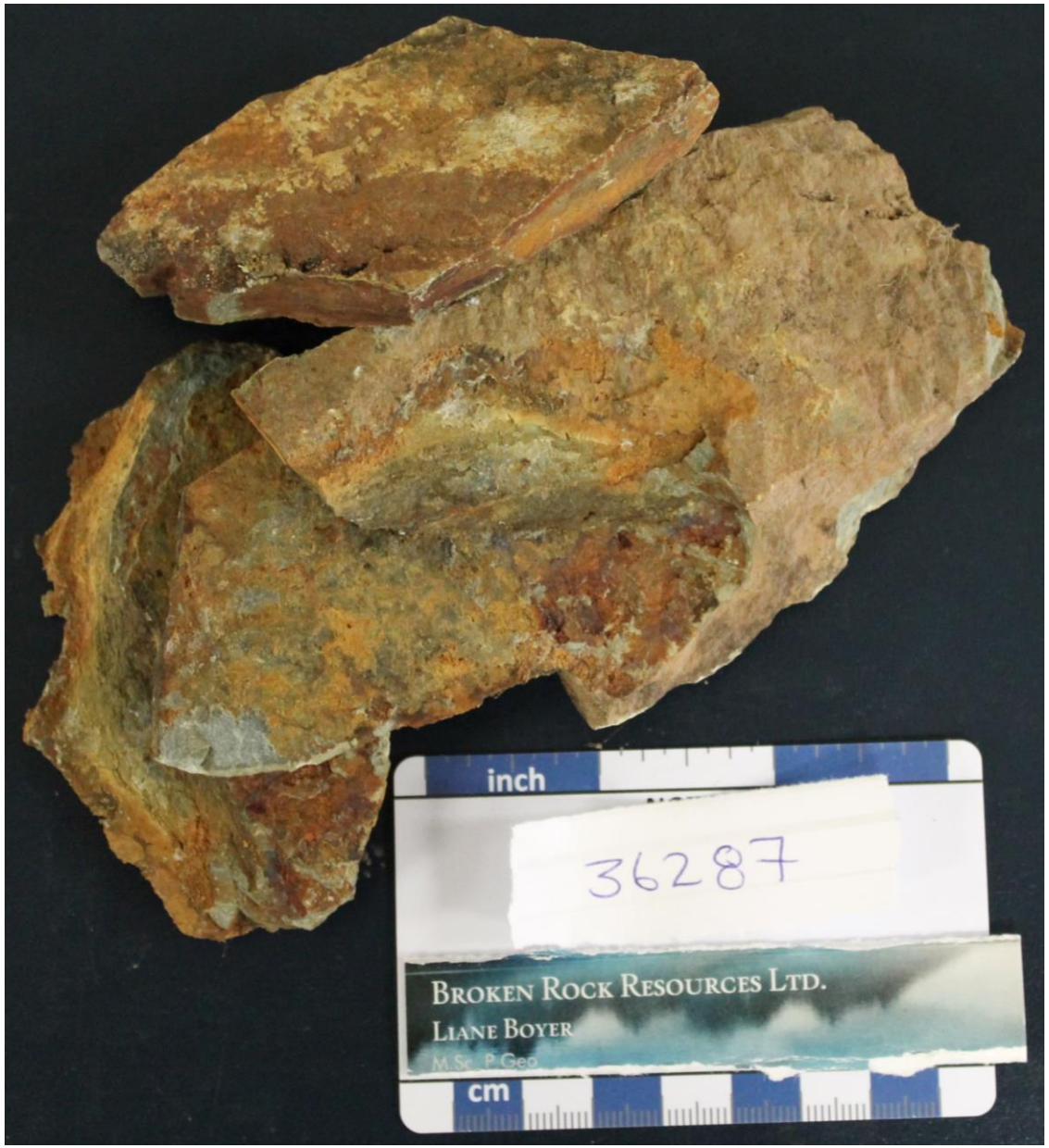
waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36285	300976	5529343	525	16U	25-May-17	outcrop			mafic volc

Massive, fine grained, light grey green, intermediate metavolcanic rock? Weak chlorite alteration.
Pinkish white quartz carbonate veinlets. Weak carbonate alteration.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36286	300606	5529113	498	16U	26-May-17	outcrop	210	-88	qtz vein in tightly folded mafic volc

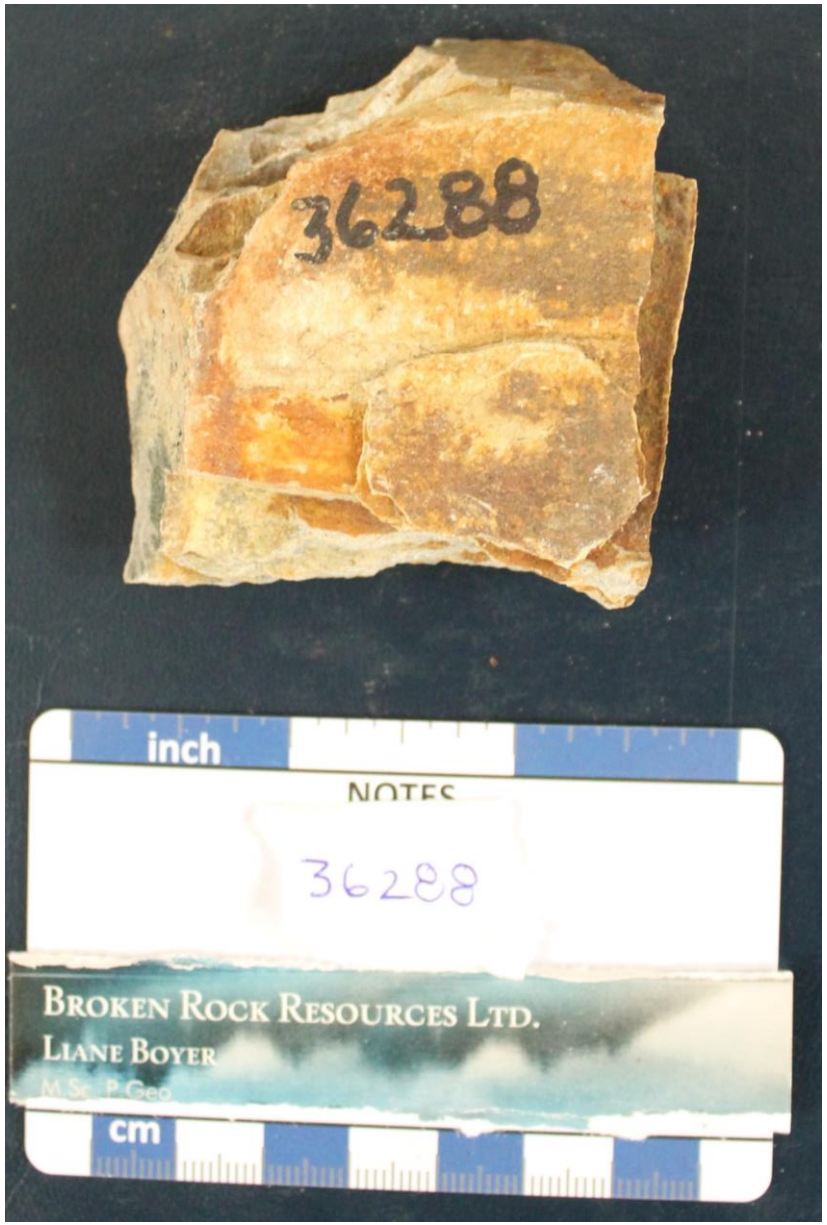
White quartz vein in contact with finely laminated dark grey fine grained rock. Minor pyrite occurs along vein selvedge.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36287	300639	5529139	505	16U	26-May-17	outcrop	230	-88	pyrite in felsic volcanic, Fe oxidation



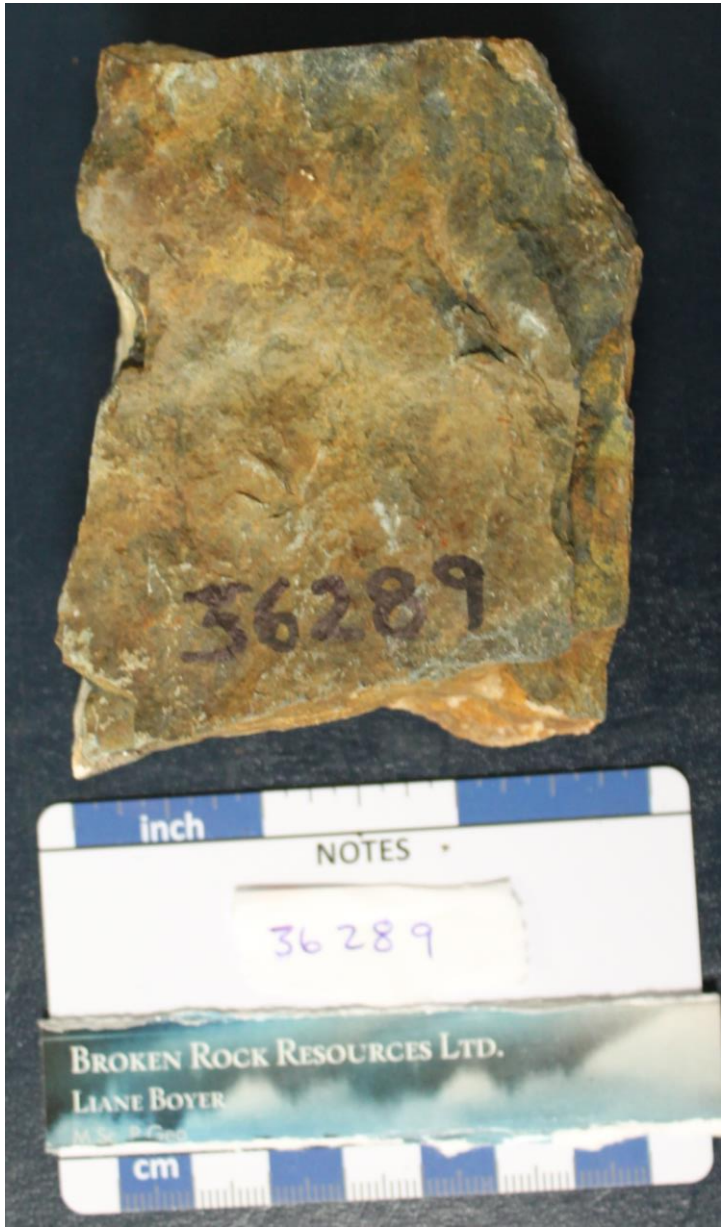
Weathered surface orange brown iron oxide alteration. Fe oxide alteration pervasive throughout. Fresh surface light green strongly chloritized. Fine grained massive. Altered Mafic Metavolcanic.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36288	300661	5529116	509	16U	26-May-17	outcrop			qtz vein in mafic volc



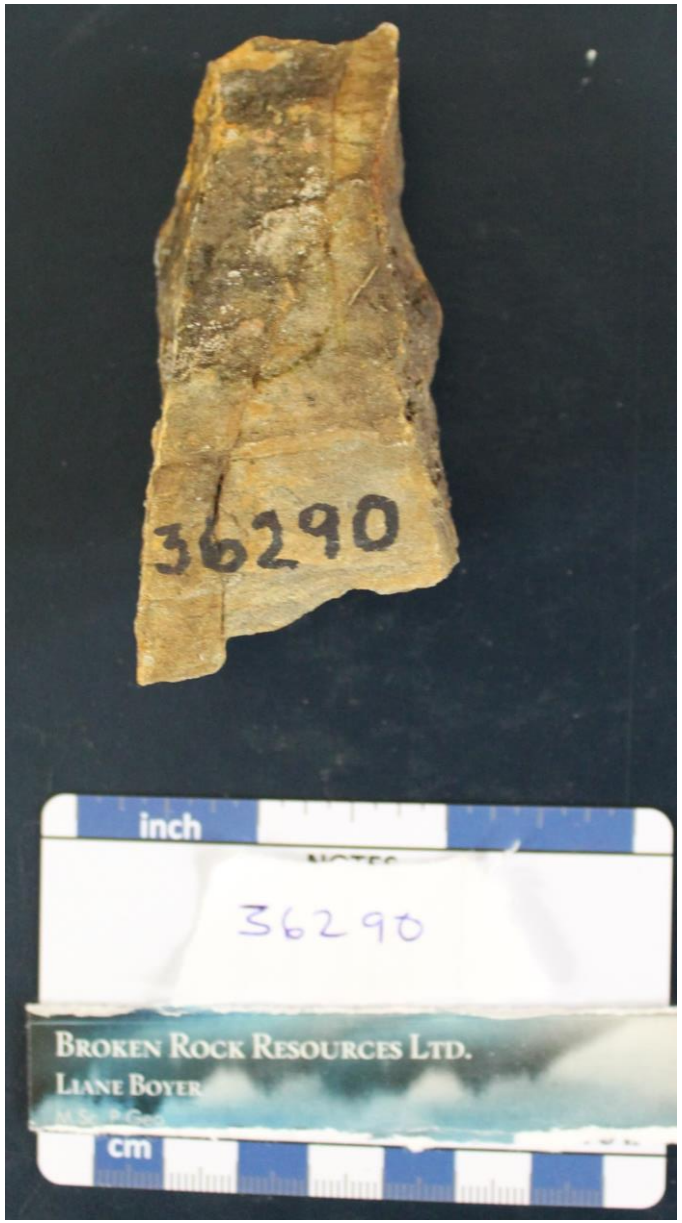
Weathered surface is rusty orange Fe oxide. Thin sub millimetre orange rusty/oxidized subparallel bands occur spaced 2-4mm apart within a light grey, fine grained silicified volcanic rock. Minor sericite

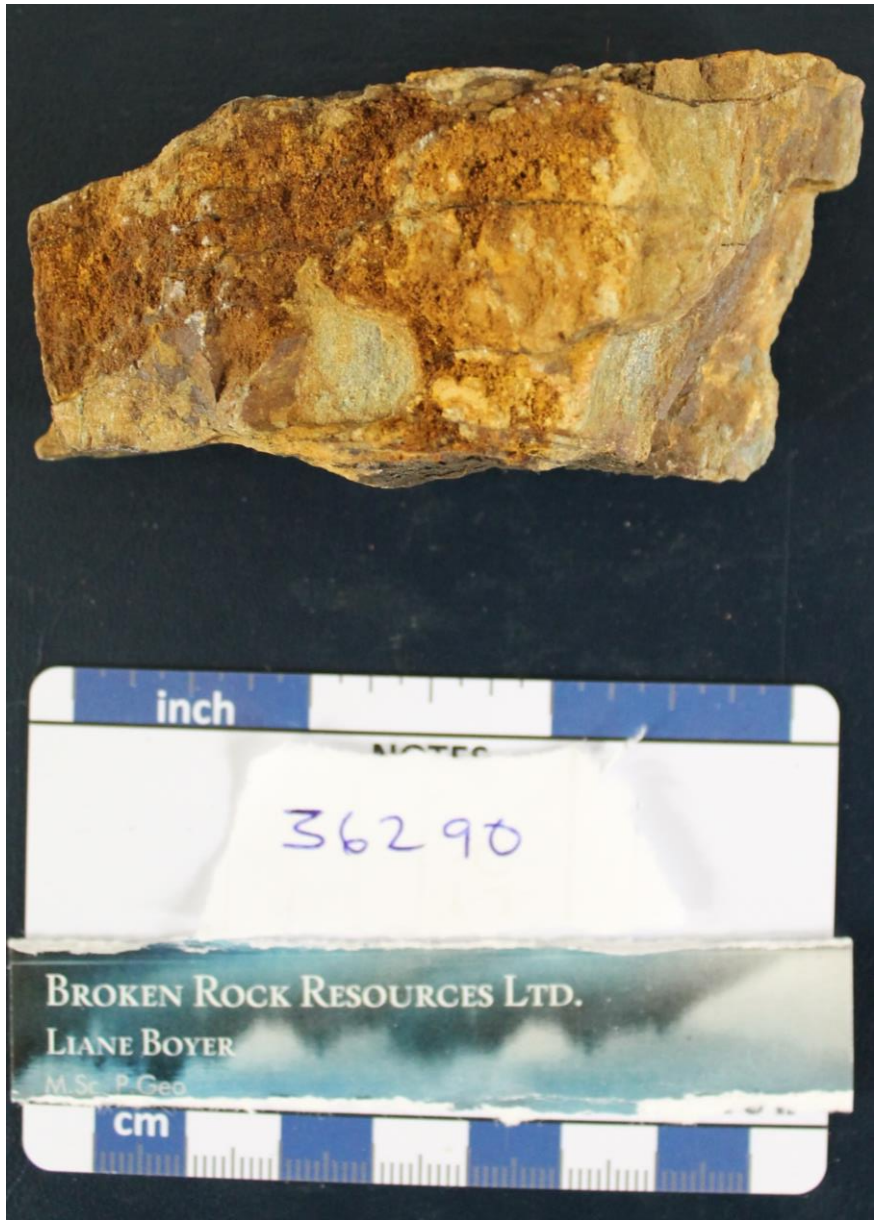
waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36289	300698	5529120	510	16U	26-May-17	outcrop	208	-75	qtz vein in mafic volc



Quartz vein with thin crosscutting dark black/green chloritic veinlets.

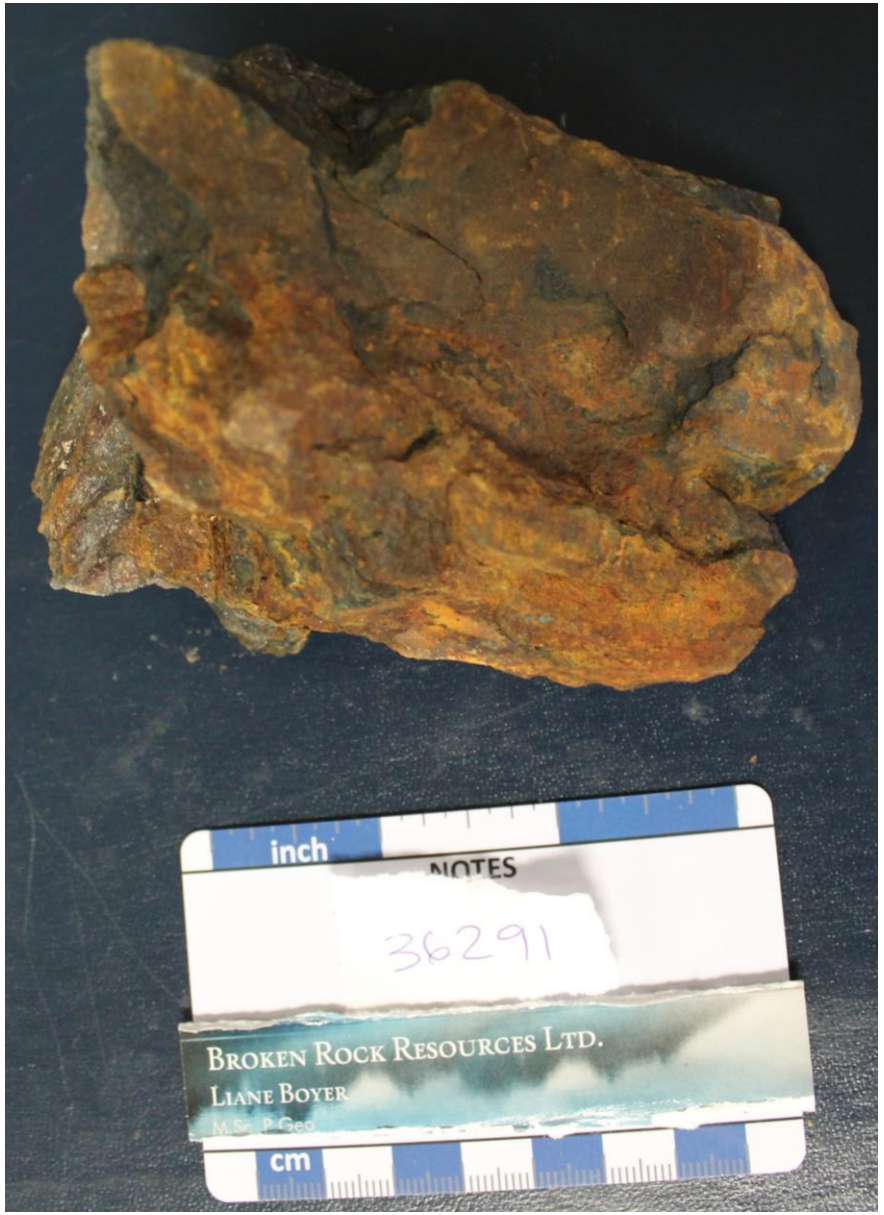
waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36290	300914	5529142	511	16U	26-May-17	outcrop			mafic volcanic, iron oxidation





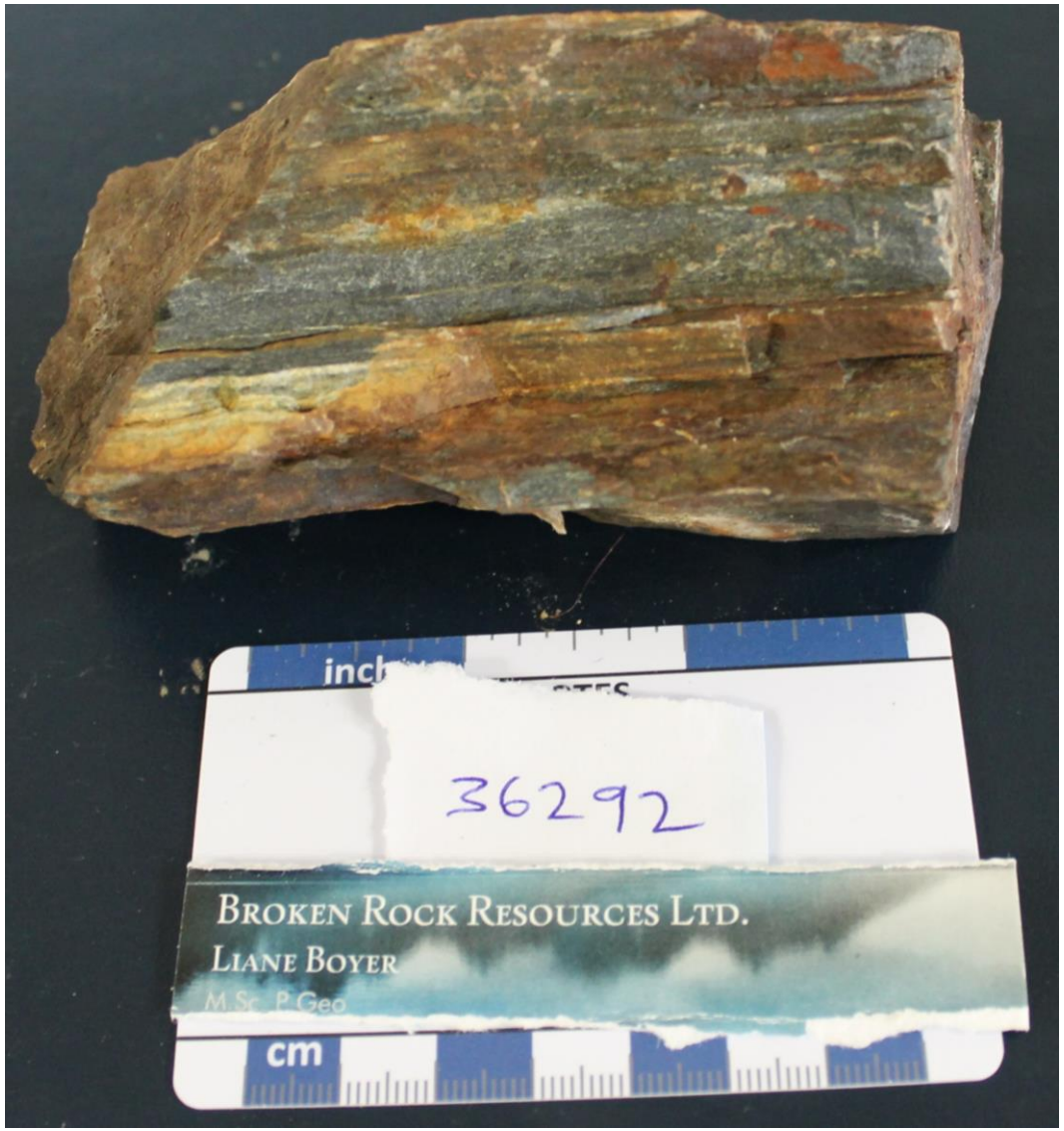
Weathered surface is orange/red iron oxide. Fe oxides pervasive throughout. Fresh surface light grey, fine grained with strong foliation. Sericite and quartz. Altered Felsic Metavolcanic.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36291	300809	5529044	513	16U	26-May-17	outcrop	232	-80	mafic volcanic, iron oxidation



Weathered surface is dark orange red. Fresh surface dark green chlorite/biotite, possible garnet. Locally strongly magnetic with higher magnetite content. Altered Mafic Metavolcanic +/- Fe formation

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36292	300754	5528764	514	16U	26-May-17	outcrop			mafic volcanic, iron oxidation



Non-magnetic with abundant rusty staining on weathered surface. Finely laminated medium-dark grey on fresh surface. Fine grained.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36293	300744	5528689	513	16U	26-May-17	outcrop			mafic volcanic, iron oxidation

Weathered surface oxidized orange/dark red/purple. Strongly magnetic. Hematite + magnetite. Fresh surface is dark grey, fine grained and finely laminated on a mm scale. Altered Meta iron formation

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36294	300708	5528644	510	16U	26-May-17	outcrop			mafic volcanic, iron oxidation

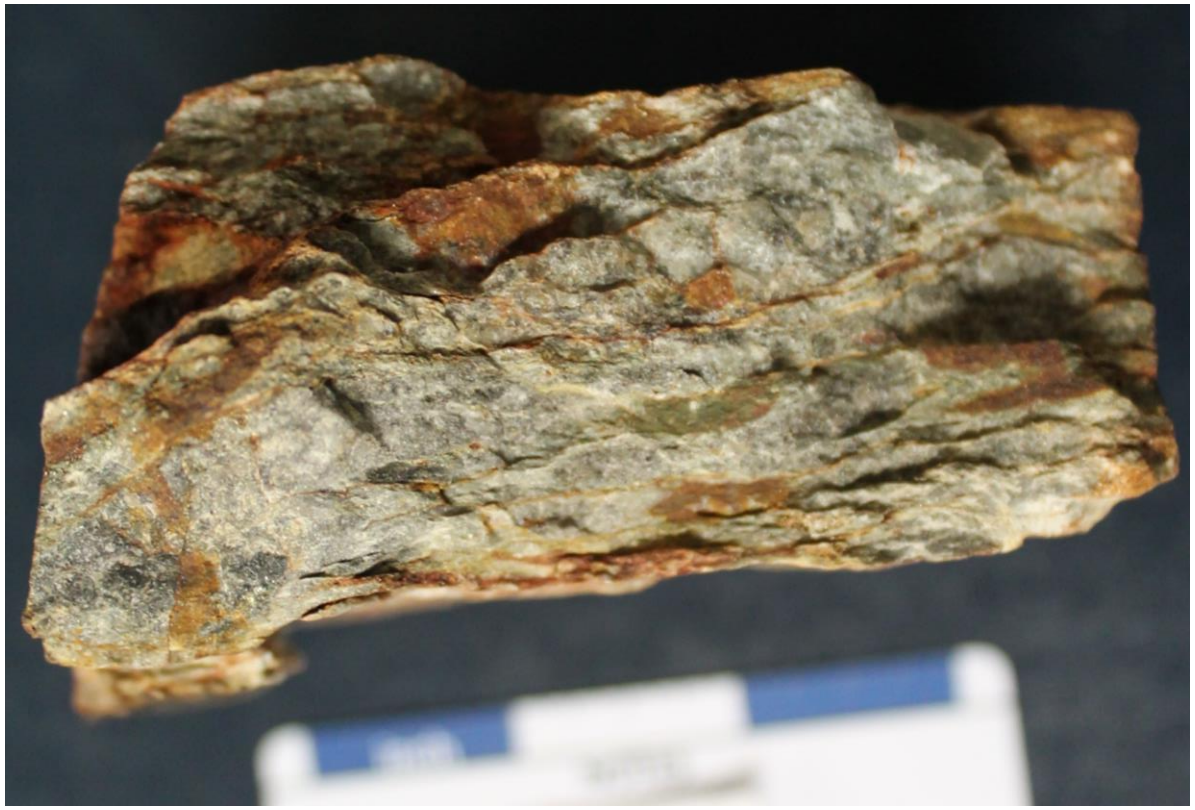
Rusty orange red on weathered surface. Abundant hematite and biotite. Finely laminated with mm scale undulating bands. Silicification. Alternating dark biotite rich and light qtz rich bands. Non magnetic.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36295	301067	5528703	524	16U	26-May-17	outcrop	228	-82	felsic volcanic, strong foliation, minor qtz veins, gaussen

Rusty orange red on weathered surface and along fractures/veinlets.
Sericite pervasive. Light to medium grey mm scale banding.
Altered felsic metavolcanics.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36296	301104	5528764	524	16U	26-May-17	outcrop			felsic volcanic, gaussen, trace diss pyrite

Weathered surface orange/red brown Iron oxide. Fresh surface fine grained light grey strongly altered felsic metavolcanic. Silicified, sericitized with undulating hairline to mm scale oxidized sulphide veinlets spaced every 5-10mm. Pyrite occurs in veinlets and disseminated.



waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36297	301131	5528898	527	16U	26-May-17	outcrop	210	-90	felsic volcanic, 5-10 cm qtz vein, minor muscovite

Qtz vein, with coarse (8mm) muscovite crystals along selvedges in host rock. Host rock is medium grey, fine grained and massive.

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36298	300972	5529245	520	16U	27-May-17	soil			grey mineral soil, silt and fine sand, 1.1 m depth
36299	301056	5529194	518	16U	27-May-17	soil			sandy mineral soils, some boulders, 65 cm deep hole
36300	301102	5529242	517	16U	27-May-17	soil			sandy mineral soils, some boulders, 80 cm deep hole

No photos – mineral soils

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36301	301130	5529174	517	16U	27-May-17	Outcrop			felsic volcanic

Weathered surface coated with orange Fe oxides. Fresh surface is light grey, fine grained and massive. Sericite alteration.
Altered Felsic Metavolcanic

waypoint	easting	northing	elevation	zone	date	surface cover	foliation strike	foliation dip	Sample Description
36281	300611	5529205	512	16U	25-May-17	outcrop			qtz vein with pyr in mafic volc
36282	300722	5529201	520	16U	25-May-17	boulder			qtz vein in 1 m bldr, strong altn
36283	301174	5529252	523	16U	25-May-17	outcrop	205		mafic volc, trace sulfides, minor qtz veins
36284	301175	5529257	524	16U	25-May-17	outcrop			mafic volc, minor qtz veins
36285	300976	5529343	525	16U	25-May-17	outcrop			mafic volc
36286	300606	5529113	498	16U	26-May-17	outcrop	210	-88	qtz vein in tightly folded mafic volc
36287	300639	5529139	505	16U	26-May-17	outcrop	230	-88	pyrite in felsic volcanic, Fe oxidation
36288	300661	5529116	509	16U	26-May-17	outcrop			qtz vein in mafic volc
36289	300698	5529120	510	16U	26-May-17	outcrop	208	-75	qtz vein in mafic volc
36290	300914	5529142	511	16U	26-May-17	outcrop			mafic volcanic, iron oxidation
36291	300809	5529044	513	16U	26-May-17	outcrop	232	-80	mafic volcanic, iron oxidation
36292	300754	5528764	514	16U	26-May-17	outcrop			mafic volcanic, iron oxidation
36293	300744	5528689	513	16U	26-May-17	outcrop			mafic volcanic, iron oxidation
36294	300708	5528644	510	16U	26-May-17	outcrop			mafic volcanic, iron oxidation
36295	301067	5528703	524	16U	26-May-17	outcrop	228	-82	felsic volcanic, strong foliation, minor qtz veins, gaussen
36296	301104	5528764	524	16U	26-May-17	outcrop			felsic volcanic, gaussen, trace diss pyrite
36297	301131	5528898	527	16U	26-May-17	outcrop	210	-90	felsic volcanic, 5-10 cm qtz vein, minor muscovite
36298	300972	5529245	520	16U	27-May-17	soil			grey mineral soil, silt and fine sand, 1.1 m depth
36299	301056	5529194	518	16U	27-May-17	soil			sandy mineral soils, some boulders, 65 cm deep hole
36300	301102	5529242	517	16U	27-May-17	soil			sandy mineral soils, some boulders, 80 cm deep hole
36301	301130	5529174	517	16U	27-May-17	outcrop			felsic volcanic

Appendix C
Daily field log

Wednesday
May 24 2017
pick up rental equipment, truck, phone, beep mat
purchase food
pack equipment

Thursday
May 25 2017
C McLean and S Hart drive from T Bay to Armstrong
purchase fuel in Armstrong
arrive at Mattice Lake Outfitters and load plane
fly to Leigh Lake, set up boat and depart for south shore of Leigh Lake
walk through bush to Wishbone claims
start BEEP mat profiles across claim
collected 5 rock samples on claim
return to rental cabin

Friday
May 26 2017
boat from cabin to south shore of Leigh Lake
hike to Wishbone claims
conduct BEEP mat profiles across claim
Prospecting and collected 12 rock samples
return to retal cabin

Saturday
May 27 2017
boat from cabin to south shore of Leigh Lake
BEEP mat is out of power today
hike to Wishbone claims
collected 5 rock and auger soil samples
return to rental cabin
Beaver charter arrived at 3 pm
load plane and return to Mattice Lake Outfitters
load truck and return to Thunder Bay

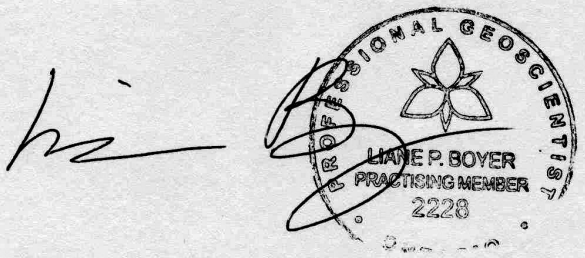
March 28 and 29 2019
Assessment Report Writing

Appendix D
Signature page

Signature Page

Liane P Boyer

Author of Report



Signed

May 21 2019

Date