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2019 CHANNEL SAMPLING AND GEOPHYSICAL REVIEW PROGRAM - MAUDE LAKE PROPERTY - LARDER LAKE, ONTARIO

Pays Plat Lake Area, Lower Aguasabon Lake Area,

Killraine, and Priske Townships

Thunder Bay Mining Division

NTS 42D14

Prepared For

Transition Metals Corp.

Monday, 11 July 2022

Benjamin Williams, GIT
Grant Mourre, P. Geo.

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1.0 INTRODUCTION

Field work in the summer of 2019 was performed and supervised by personnel employed by Transition Metals Corp., as a due completed field examination of the main sulphide showing on the Maude Lake Property (**Error! Reference source not found.**).

This report has been prepared by Ben Williams, GIT, and supervised by Grant Mourre, P. Geo., and includes work Transition Metals completed as an initial field examination of the main sulphide showing on the Maude Lake Property (Nicopor Prospect) from June 5th to 8th of 2019. Field work was performed and supervised by personnel employed by Transition Metals Corp. The program was planned and supervised by Grant Mourre, P.Geo, and completed by Grant Mourre and Benjamin Williams.

In addition, Transition Metals contracted Alan King, P.Geo, of Geosciences North, of Sudbury Ontario to undertake a geophysical review and the creation of a Magnetic 3D inversion model for the property.

2.0 PROPERTY LOCATION, ACCESS AND DESCRIPTION

The property is located in the Thunder Bay Mining District in the Pays Plat Lake Area and the Lowerm Aquasabon Area (Figure 1)., near the western end of the Schreiber Volcanic belt, part of the Abitibi Wawa Greenstone belt of the Superior Structural Province. The property consists of 74 mining claims, covering an area of approximately 1,500 hectares (Figure 2, Table 1).

The property is located approximately 6 km north of the town of Schreiber. Access is gained off the Winston Lake mine road just south of Sammy's Lake. An old drill road provides access to the property. The old drill road is driveable by 4x4 for the first 2 km and then by all-terrain vehicle for the remainder.

The climate is that typical of north of Lake Superior, warm summers, cold winters, a modicum of snow, and a wet spring. Work can be done around the year except for the inevitable delays during spring thaw and winter freeze up.

The general terrain in the region of the property is typical of that north of Lake Superior, hilly with local steep sides, and long valleys filled with marsh with a local relief of a few hundred metres. Outcrop near hilltops is locally abundant, but elsewhere a veneer of glacial debris covers the landscape. Vegetation is poplar and birch bush with minor spruce stands. Access trails in the area are old logging roads now used mainly by ATV and skidoo and which can be used by heavy equipment with some local difficulty.

There is sufficient water for drilling within reach of most potential drill locations. There are no apparent impediments to exploration in the form of surface right alienation, but this would require careful checking if any development work were contemplated.

The area is well served with the Trans-Canada Highway, the CPR passing within 10 km or so of the claim groups, and a power line traverses the area only 5 km to the south. The town of Schreiber has previous experience with mining, and can provide the appropriate infrastructure and labour force.

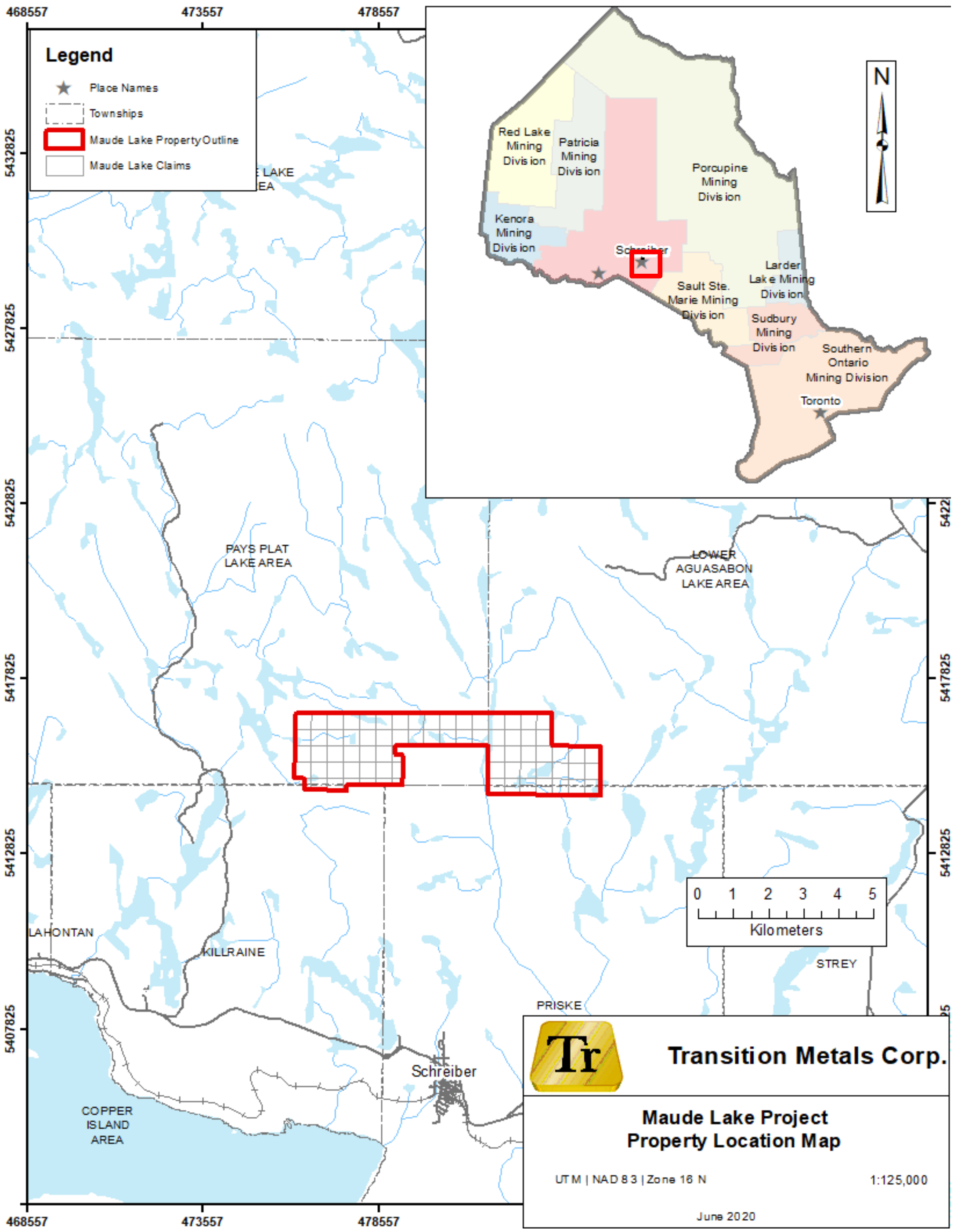

Figure 1: Maude Lake property location map

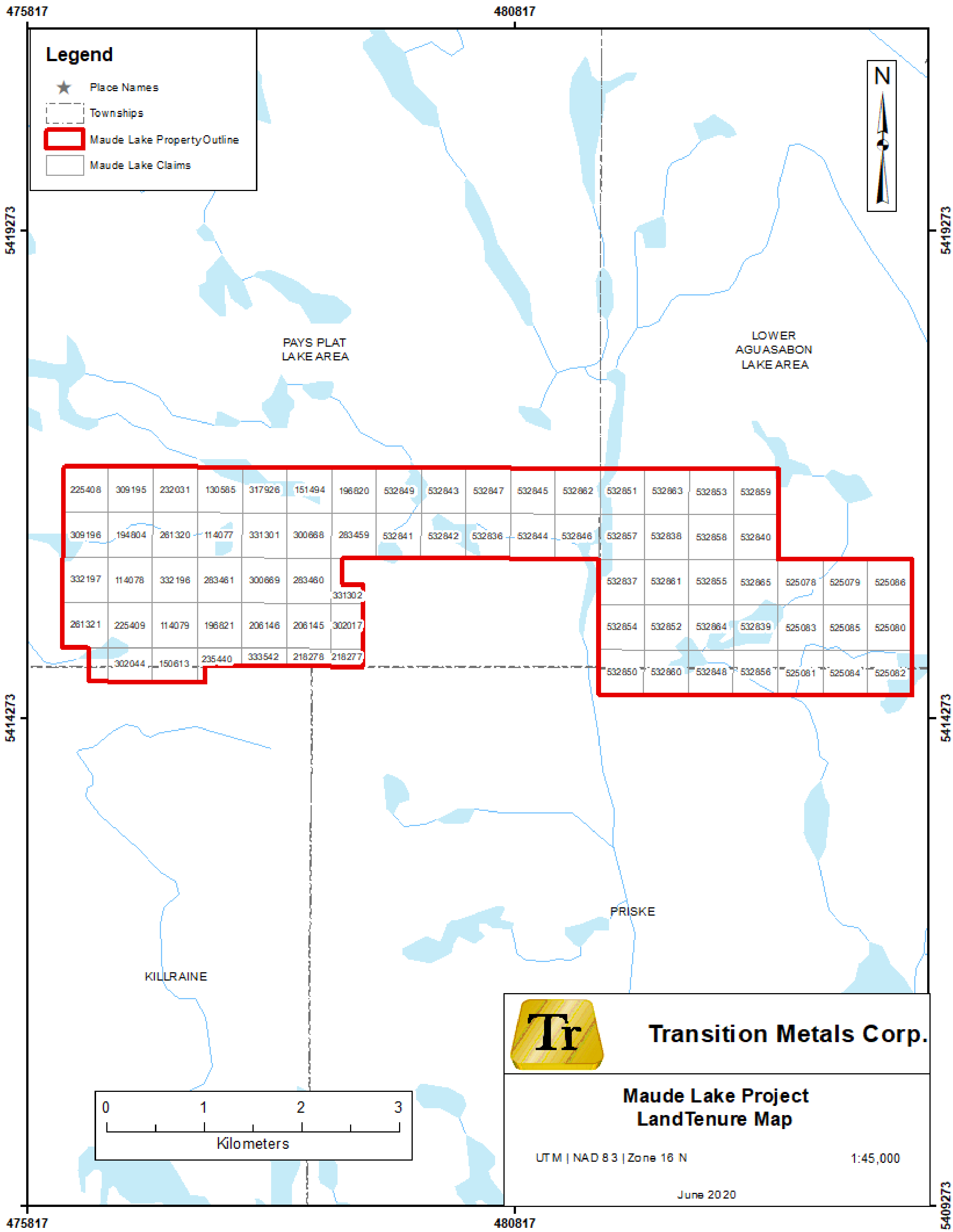

Figure 2: Maude Lake property claim tenure map

Table 1: List of Claim Tenures comprising the Maude Lake property

Claim Tenure Number	Tenure Type	Issue Date	Anniversary Date	Area (ha)
114077	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
114078	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
114079	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
130585	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
151494	Single Cell Mining Claim	2018-04-10	2021-04-20	21.33
194804	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
196820	Single Cell Mining Claim	2018-04-10	2021-04-20	21.33
196821	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
206145	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
206146	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
532836	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
225408	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
225409	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
232031	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
261320	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
261321	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
532837	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532841	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532838	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532839	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532840	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
283459	Single Cell Mining Claim	2018-04-10	2021-04-20	21.33
283460	Single Cell Mining Claim	2018-04-10	2021-10-30	21.33
283461	Single Cell Mining Claim	2018-04-10	2020-10-30	21.33
300668	Single Cell Mining Claim	2018-04-10	2021-04-20	21.33
300669	Single Cell Mining Claim	2018-04-10	2021-10-30	21.33
309195	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
309196	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
317926	Single Cell Mining Claim	2018-04-10	2021-04-20	21.33
331301	Single Cell Mining Claim	2018-04-10	2021-04-20	21.33
332196	Single Cell Mining Claim	2018-04-10	2021-10-30	21.33
332197	Single Cell Mining Claim	2018-04-10	2021-04-23	21.33
525078	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525079	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525080	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525081	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
532842	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532843	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532844	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33

Claim Tenure Number	Tenure Type	Issue Date	Anniversary Date	Area (ha)
532845	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532846	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532847	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532848	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532849	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532850	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532851	Single Cell Mining Claim	2018-10-09	2020-10-09	21.32
532852	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532853	Single Cell Mining Claim	2018-10-09	2020-10-09	21.32
532854	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532855	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532856	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532857	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532858	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532859	Single Cell Mining Claim	2018-10-09	2020-10-09	21.32
532860	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532861	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532862	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532863	Single Cell Mining Claim	2018-10-09	2020-10-09	21.32
532864	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
532865	Single Cell Mining Claim	2018-10-09	2020-10-09	21.33
525082	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525083	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525084	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525085	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
525086	Single Cell Mining Claim	2018-06-30	2021-06-30	21.33
331302	Boundary Cell Mining Claim	2018-04-10	2021-10-30	9.24
302017	Boundary Cell Mining Claim	2018-04-10	2020-10-30	15.11
218277	Boundary Cell Mining Claim	2018-04-10	2020-10-30	6.13
218278	Boundary Cell Mining Claim	2018-04-10	2020-10-30	8.67
333542	Boundary Cell Mining Claim	2018-04-10	2020-10-30	8.71
235440	Boundary Cell Mining Claim	2018-04-10	2020-10-30	10.25
150613	Boundary Cell Mining Claim	2018-04-10	2020-10-30	16.22
302044	Boundary Cell Mining Claim	2018-04-10	2020-10-30	16.20
319275	Boundary Cell Mining Claim	2018-04-10	2020-10-30	6.72
	Total Number of Claims	**74**	**Total Area (ha)**	**1483.59**

3.0 HISTORICAL WORK

The following is a summary culled from the MNDM records of previous work completed on or adjacent to the Maude Lake property:

Circa 1930 - Trenching was conducted on the iron formations and gossans in the area.

1930-36 - Cominco undertaken surface sampling and diamond drilling of 3 holes (locations unknown)

1937 - Cook Lake Gold Mines Ltd. performed a ground mag survey.

1938 - Ontario Geological Survey mapped portions of the area (Bartley, 1938)

1950 - Falconbridge Nickel Mines held the property under option from D. Campbell of Schreiber. They conducted a ground mag survey and geological mapping. A detailed investigation of the mineralization was carried out and formed the basis of a bachelor's thesis by D.T. Anderson (1951).

1956 - Property optioned to New Athona Mines Ltd. and Mogul Mining Corp., who drilled 4 holes totalling 516 m.

1965 - Property came open and was restated by Zenmac Metal Mines Ltd., who mapped the property and drilled 5 holes totalling 61 m along a strike length of 48.8 m on the main mineralized zone.

1966 - Ontario Geological Survey geological compilation map, 1'= 2miles.

1969 - Zenmac Metals carried out a detailed ground mag survey, locating 4 anomalous zones. 8 holes totalling 642 m were drilled. Zenmac Metal Mines described their results as follows:

> "The deposit known before this (1969) program was estimated to contain 185,000 tons grading 0.49% nickel and 0.26% copper to the 300 foot horizon in a zone 300 feet long, 22 feet thick and dipping 40 degrees. Three holes have intersected the deposit at greater depth to at least 600 feet and indicate an additional 190,000 tons grading 0.40% nickel and 0.12% copper. The grade of the central core of the deposit was calculated to be about 1.0% nickel and 0.3% copper over 5 to 15 feet."

1970 - Nicohal Mines Ltd. drilled 9 holes totalling 1231.7 m, encountering Ni-Cu mineralization.

1983- Noranda Exploration conducts reconnaissance investigations. Geological mapping and geophysical surveys including mag, Max Min Horizontal Loop and PEM surveys were conducted. Areas of hydrothermal alteration were recognized.

1984 - Noranda Exploration drilled 4 holes totalling 699 m, as well as conducting down-hole pulse surveys.

1985 - Noranda Exploration conducts 878 m of diamond drilling on the property as well as down-hole PEM survey.

1987 - Geological mapping and 1558 m of diamond drilling are conducted. Down-hole pulse survey is conducted. Minor base metal values (<1100 ppm Zn) are intersected.

1990 - Minnova Inc. options the property from Noranda Exploration and Cumberland resources Ltd. Detailed geological mapping is conducted and several favourable alteration zones and synvolcanic structures are defined.

1991-1992 - Minnova Inc. conducts diamond drilling and downhole geophysical surveys.

1992 - Resident Geologist Staff visited the Nicopor Deposit. Seven grab samples returned copper values ranging from 80 to 10540 ppm Cu, 105 to 45250 ppm Ni, and <10 to 456 ppb Palladium. The best copper value came from amphibole rich granite, with fine grained disseminated py, po, cp and rare native copper grains (Main trench). The best Nickel and Palladium value came from massive po, with minor cp blebs, subhedral pyrite porphyroblasts; relict patches of host granite (Main Trench dump).

1997 - Brian Fowler sampled and assayed the adjacent Nicopor Deposit. Grab samples assayed as high as 5.7% Nickel, 1.3% copper, 0.09% cobalt, 0.44 g/t palladium and 0.11 g/t platinum. The highlight results of Fowler's sampling are as follows:

- 97-09 - 36 ppb Au, 158 ppb Pd, 60 ppb Pt, 0.78% Cu, 2.92% Ni
- 97-10 - 24 ppb Au, 442 ppb Pd, 30 ppb Pt, 0.09% Cu, 5.70% Ni
- 97-11 - 56 ppb Au, 194 ppb Pd, 50 ppb Pt, 1.26% Cu, 1.44% Ni
- 97-12 - 64 ppb Au, 124 ppb Pd, 110 ppb Pt, 1.01% Cu, 0.60% Ni
- 97-13 - 36 ppb Au, 186 ppb Pd, 40 ppb Pt, 0.66% Cu, 1.55% Ni
- 97-14 - 32 ppb Au, 242 ppb Pd, 50 ppb Pt, 0.11% Cu, 0.66% Ni
- 97-15 - 24 ppb Au, 236 ppb Pd, 70 ppb Pt, 0.09% Cu, 3.27% Ni

2001- 2004 - NovaWest Resources completed 11 diamond drill holes (1,502 metres). Eight of the 11 diamond drill holes intersected disseminated to semi-massive (10-15 per cent) sulphide mineralization (pyrrhotite-pyrite-chalcopyrite). The sulphide mineralization occurred as blebs or clots associated to a magnetic pyroxenite unit that is believed to have intruded the granitic rocks. Company geologists believed the sulphide clots or blebs noted within the pyroxenite dike material were from settling or coalescing, which could create significant accumulation.

4.0 GEOLOGICAL SETTING AND MINERALIZATION

4.1 REGIONAL GEOLOGY

This account is summarized form government reports (Carter 1988, Bartley 1938, Williams et al 1991, Easton, 2000).

The property (Figure 3) is located north of Schreiber within the Hemlo/Schreiber Greenstone Belt in the Wawa Subprovince. The belt is characterized by east trending basic and felsic volcanic units and clastic and chemical sediments intruded by gabbro sills/dykes and later Archean granitic plutons. In the property region, the Crossman Lake batholith occupies a central role, and the property straddles the contact. The crude structural position of the Nicopor showing is on the south facing side of the east west trending major regional structure, the Hays Lake Anticline (Bello's 1986 "Big Duck Anticline"), and on the north side of accompanying Hays Lake syncline some 5 km to the south. Later, open cross folding has affected the area (Bello, 1986). The other side of the horseshoe, (i.e. the northern part), is along the contact of the granite with a north-east facing sequence. Here a large thick body or suite of gabbro bodies (the Cameron Lake Gabbro) occupies a large area. It is layered and may consist of several sills or of tectonically repeated sills.

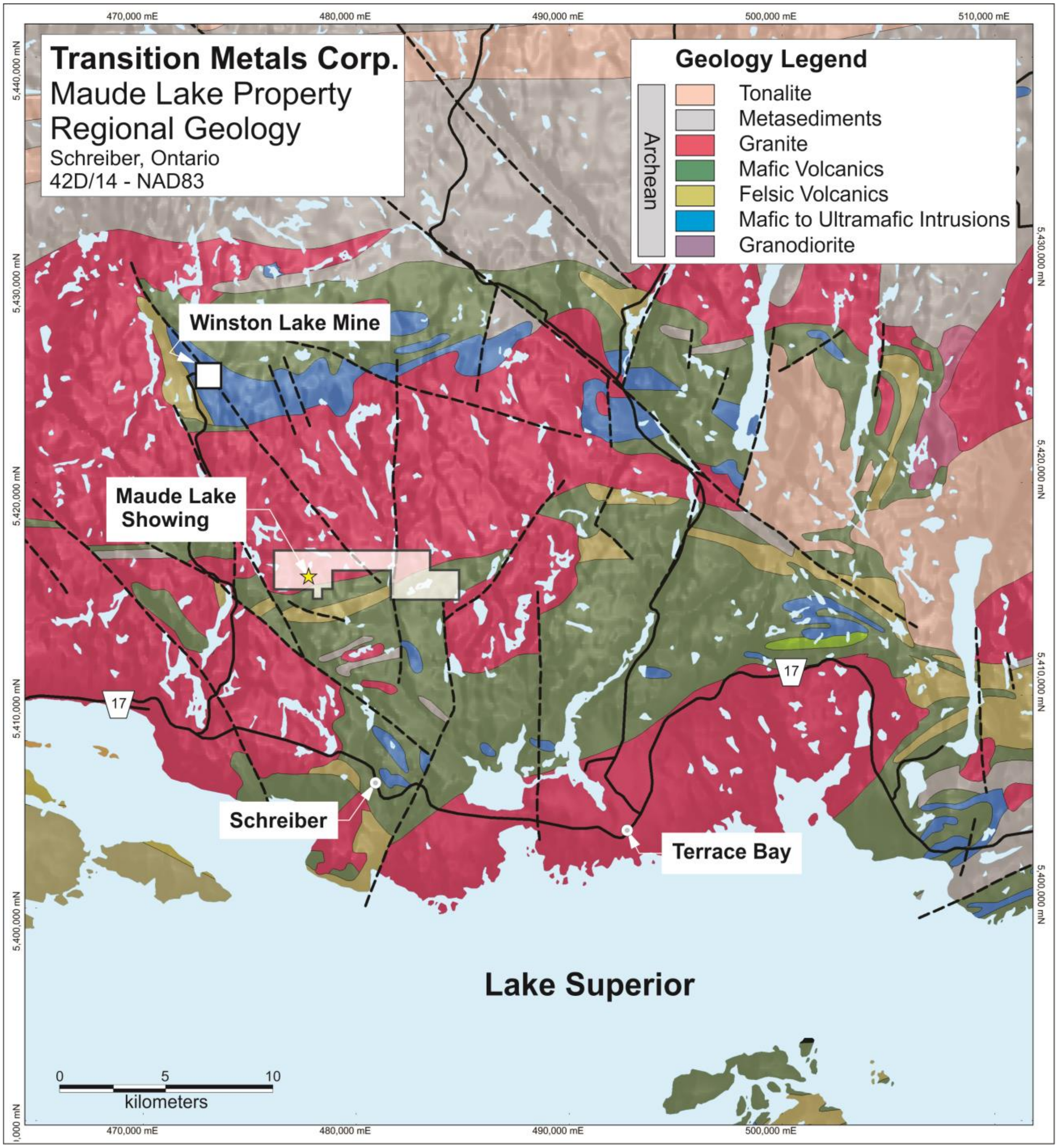

Figure 3: Maude Lake Regional Geology Map

According to Easton (2000), the area has been multiply metamorphosed, perhaps as many as three times. The supracrustal units show amphibolite-grade metamorphism; and the Crossman Lake Pluton seems to have been intruded into an already-folded, supracrustal succession. The region has been the site of VMS base metal mines north of the batholith, the largest of which, the Winston Mine recovered zinc and copper from an amphibolite grade massive sulphide deposit in felsic volcanic units. Another mine, the Zenith, was apparently a portion of the Winston Mine body that was included into later intrusions of gabbro sills (Cameron Lake gabbro).

4.2 PROPERTY GEOLOGY

The property is part of a horseshoe shaped parcel of land loosely following the Crossman Lake Granite contact. In most places this contact is with rocks labelled metamorphosed mafic volcanism or metamorphosed gabbro by previous workers (Bartley 1938, Pye 1966, Carter, 1988). The consensus of previous workers, with whom Qualified Persons agrees, is that the granite is intruded into these mafic rocks.

An alternate view is that these rimming gabbros are possibly part of a Proterozoic Gabbro sill complex Dr. Fischer notes that there is no radiometric dating on the "Crossman Lake" Granite. Based on his finding that the massive sulphides are basal to the layered gabbro and that the sulphide has intruded the granite he cautiously suggests that perhaps the gabbro and related sulphide deposit is younger.

Carter, (1988) describes the relationship between the Crossman Lake Batholith and the Cameron Lake Gabbro *"... The Crossman Lake Batholith is clearly intrusive into the Cameron Lake Gabbro ...Similar gabbro is entirely enclosed and intruded by granitic rocks 2 km east of Lower Ross (Rhea) Lake. The Cameron Lake gabbro is identical with other masses intrusive into the metavolcanic rocks..."(p.43.)*

Schau and Clark (2004), along with previous workers, have seen gabbro fragments as xenoliths or septa in the granitic rocks and has also observed the felsic porphyry and aplite dykes cutting the gabbro. Along the Winston Lake road, the intrusive relations between the older meta-gabbro/amphibolite and the younger granite are well displayed.

4.3 MINERALIZATION

4.3.1 Nicopor Prospect

The property geology has been described on a number of occasions (Bartley, 1938; Anderson, 1951; Woakes, 1956; Nicholson, 1965; Ogden, 1969, 197,; Schnieders et al, 1996; Fischer, 2002; and Schau and Clark, 2004).

The sulphide deposit at the showing is at the contact between the granite and large gabbro xenolith/septa. The sulphide area has been the centre of attention for some 70 years and the origin of the mass is controversial. All agree on the presence of a thin lens/dyke/vein structure of massive sulphide along the contact between a dark rock previously called andesite, basic volcanic, quartz diorite, and now called gabbro and a light coloured granite or granodiorite.

The sulphides are found in both rock types and often act as the matrix to breccia with host rock fragments. The sulphides decrease away from contact. Thin dykes of quartz porphyry and/or aplite cut both the sulphides and the mafic rocks. Anderson (1951) suggested a crude zoning with a pentlandite-bearing centre, rimmed by pyrrhotite and, the edge by pyrite dominant sulphide. There is still not enough data to confirm this suggestion, either on surface or at depth.

Drilling (Woakes, 1956; Nicholson, 1965; Ogden 1969, 1970) has largely confirmed the presence of a "continuous" sulphide lens, (see Schau and Clark, 2004) with local later granitic dykes cutting the sulphide and the gabbro. Sulphide mineralization is located along the contact between granite and what is called "altered gabbro" in drill logs, for about a hundred metres down dip. Two deeper drill holes (see Schau and Clark, 2004) contain sulphide accumulations within the altered gabbro zone away from the contact with the granite.

5.0 EXPLORATION

Transition Metals completed a field examination of the main sulphide showing (Nicopor Prospect) on the Maude Lake Property from June 6th to 8th of 2019. Field work was performed and supervised by personnel employed by Transition Metals Corp; the program was planned and supervised by Grant Mourre, P.Geo, and completed by Grant Mourre and Benjamin Williams. In addition, Transition Metals contracted Alan King, P.Geo, of Geosciences North to undertake a geophysical review of the property and to generate a 3D magnetic inversion model.

5.1 MAUDE LAKE PROPERTY SHOWING (NICOPOR PROSPECT)

Attempts were made to channel sample across the main sulphide zone of the historic Nicorpor Prospect, however in some locations extreme weathering and oxidation of the bedrock material prevented any fresh material from being obtained (Figure 4).

Figure 4: Outline of a channel to be cut across the main sulphide zone

A total of 38 samples (Figure 5, Table 2) were collected from the main sulphide showings, of which 11 were grab samples selected for assay and whole rock geochemistry, and 27 were collected from four (4) separate channel samples. More detailed sample location maps, sample descriptions, and Location information can be found contained with Appendix A, with corresponding Analytical Certificates within Appendix B.

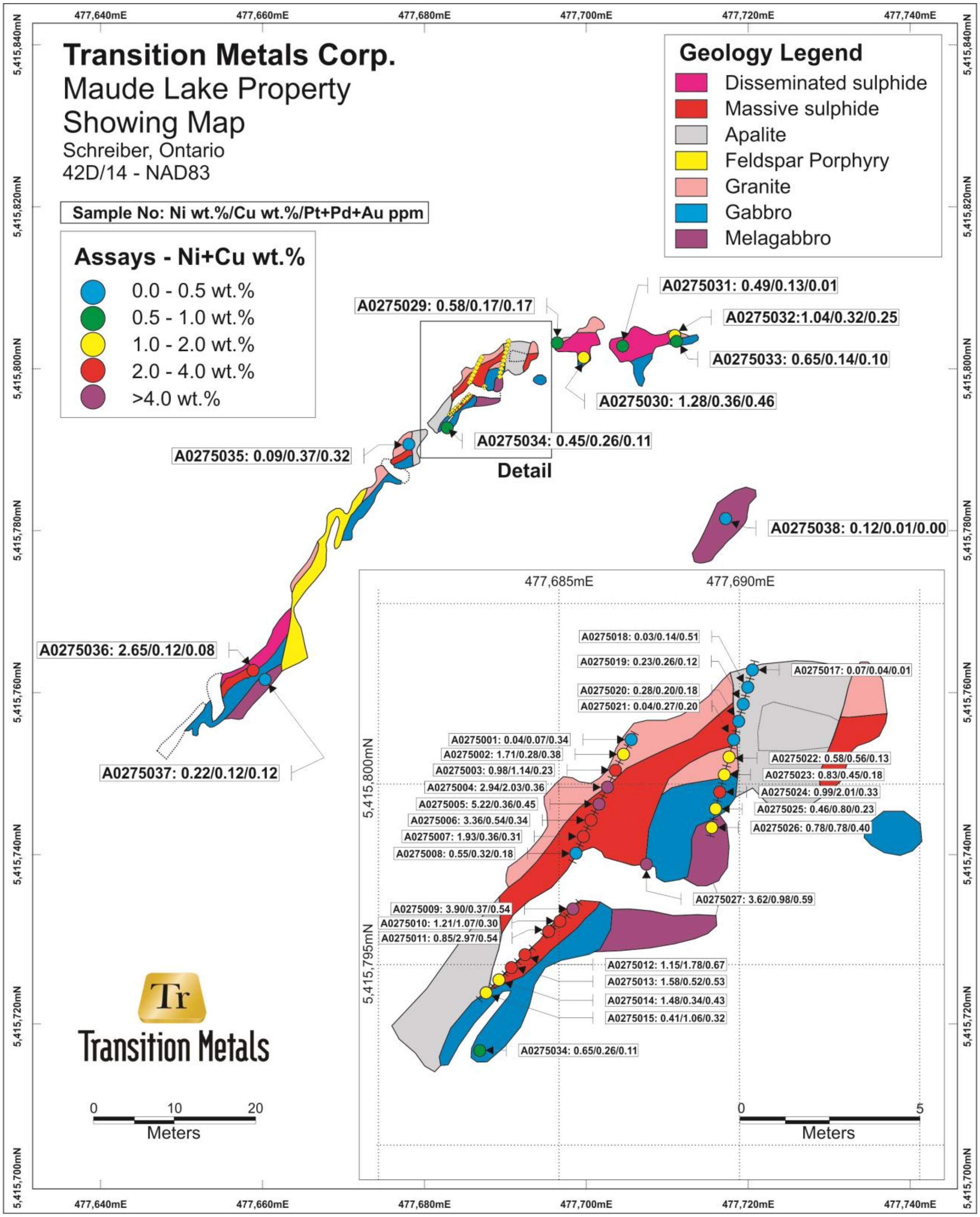

Figure 5: Maude Lake Showing Sample Map

Table 2: Assay results for channel and grab samples collected by Transition Metals Corp on the Maude Lake Property

Sample ID	Channel No. Sample Type	From metres	To metres	Length metres	Ni wt.%	Cu wt.%	Co wt.%	Pt g/t	Pd g/t	Au g/t	Ag g/t	PGM g/t
A0275001	CH1	0.0	0.5	0.5	0.04	0.07	0.002	0.106	0.221	0.017	0.90	0.344
A0275002	CH1	0.5	1.0	0.5	1.71	0.28	0.060	0.084	0.276	0.019	1.70	0.379
A0275003	CH1	1.0	1.5	0.5	0.98	1.14	0.034	0.026	0.142	0.064	3.60	0.232
A0275004	CH1	1.5	2.0	0.5	2.94	2.03	0.066	0.078	0.245	0.034	6.20	0.357
A0275005	CH1	2.0	2.5	0.5	5.22	0.36	0.106	0.091	0.335	0.023	1.70	0.449
A0275006	CH1	2.5	3.0	0.5	3.36	0.54	0.071	0.084	0.230	0.023	2.40	0.337
A0275007	CH1	3.0	3.5	0.5	1.93	0.36	0.073	0.074	0.216	0.022	1.50	0.312
A0275008	CH1	3.5	4.0	0.5	0.55	0.32	0.021	0.056	0.103	0.022	0.90	0.181
Ch1 weighted average		**0.0**	**4.0**	**4.0**	**2.09**	**0.64**	**0.05**	**0.07**	**0.22**	**0.03**	**2.36**	**0.32**
A0275009	CH2	0.0	0.5	0.5	3.90	0.37	0.093	0.087	0.435	0.016	2.30	0.538
A0275010	CH2	0.5	1.0	0.5	1.21	1.07	0.039	0.048	0.189	0.066	3.50	0.303
A0275011	CH2	1.0	1.4	0.4	0.85	2.97	0.028	0.049	0.200	0.291	8.10	0.540
Ch2 weighted average		**0.0**	**1.4**	**1.4**	**2.11**	**1.30**	**0.060**	**0.060**	**0.280**	**0.110**	**4.25**	**0.450**
A0275012	CH3	0.0	0.5	0.5	1.15	1.78	0.049	0.089	0.375	0.210	5.40	0.674
A0275013	CH3	0.5	1.0	0.5	1.58	0.52	0.072	0.094	0.412	0.026	2.20	0.532
A0275014	CH3	1.0	1.5	0.5	1.48	0.34	0.045	0.080	0.321	0.033	1.70	0.434
A0275015	CH3	1.5	2.0	0.5	0.41	1.06	0.016	0.072	0.200	0.048	4.00	0.320
Ch3 weighted average		**0.0**	**2.0**	**2.0**	**1.15**	**0.93**	**0.05**	**0.08**	**0.33**	**0.08**	**3.33**	**0.49**
A0275017	CH4	0.0	0.5	0.5	0.07	0.04	0.005	<0.005	0.009	0.004	0.50	0.013
A0275018	CH4	0.5	1.0	0.5	0.03	0.14	<0.002	0.091	0.397	0.020	2.90	0.508
A0275019	CH4	1.0	1.5	0.5	0.23	0.26	0.008	0.020	0.081	0.014	1.60	0.115
A0275020	CH4	1.5	2.0	0.5	0.28	0.20	0.033	0.053	0.116	0.014	1.20	0.183
A0275021	CH4	2.0	2.5	0.5	0.04	0.27	0.012	0.036	0.147	0.014	2.30	0.197
A0275022	CH4	2.5	3.0	0.5	0.58	0.56	0.021	0.038	0.073	0.014	1.80	0.125
A0275023	CH4	3.0	3.5	0.5	0.83	0.45	0.025	0.036	0.130	0.014	1.30	0.180
A0275024	CH4	3.5	4.0	0.5	0.99	2.01	0.107	0.149	0.150	0.034	5.60	0.333
A0275025	CH4	4.0	4.5	0.5	0.46	0.80	0.021	0.048	0.165	0.012	2.80	0.225
A0275026	CH4	4.5	5.0	0.5	0.78	0.78	0.029	0.064	0.317	0.022	3.70	0.403
Ch4 weighted average		**0.0**	**5.0**	**5.0**	**0.43**	**0.55**	**0.03**	**0.06**	**0.16**	**0.02**	**2.37**	**0.23**
A0275027	Grab				3.62	0.98	0.115	0.125	0.437	0.030	3.10	0.592
A0275029	Grab				0.58	0.17	0.019	0.024	0.133	0.008	1.10	0.165
A0275030	Grab				1.28	0.36	0.035	0.073	0.370	0.012	1.90	0.455
A0275031	Geochemical				0.49	0.13	0.015	0.023	0.069	0.007	0.80	0.099
A0275032	Grab				1.04	0.32	0.023	0.027	0.181	0.040	1.90	0.248
A0275033	Geochemical				0.65	0.14	0.022	0.018	0.073	0.009	1.10	0.100
A0275034	Geochemical				0.45	0.26	0.023	0.026	0.074	0.011	0.80	0.111
A0275035	Grab				0.09	0.37	0.023	0.107	0.133	0.075	2.20	0.315
A0275036	Grab				2.65	0.12	0.068	0.008	0.065	0.008	1.00	0.081
A0275037	Geochemical				0.22	0.12	0.009	0.023	0.045	0.050	0.50	0.118
A0275038	Geochemical				0.12	0.01	0.011	<0.005	0.002	0.001	<0.5	0.003

Base metal sulphides occur as massive to vein-like and net-textured aggregates (Figure 6) along the contact between the mafic-ultramafic intrusion to the south and the granite to the north. The sulphide showing consists primarily of anastomosing sulphide veins and massive sulphide hosted in brecciated granite. The currently defined massive sulphide showing is exposed over a distance of approximately 75 m and ranges up to 2 m in width. Sulphides within the mafic-ultramafic intrusion and away from the main mineralized zone tend to be fine grained disseminated to blebby sulphides.

Figure 6: Representative sample material from channel samples

Highlights of the new channel sampling results from the main sulphide showing have returned high grades of nickel and copper over encouraging widths as follows: 2.09 % Ni, 0.64 % Cu and 0.32 g/t PGM (Pt+Pd+Au) over 4.0 metres; 2.11 % Ni, 1.30% Cu and 0.45 g/t PGM over 1.4 metres; and 1.15 % Ni, 0.93% Cu and 0.49 g/t PGM over 2.0 metres (Table 2). With High grade individual samples of up to 5.22 % Ni, 0.36 % Cu over 0.50 metres being consistent with the high grade values reported by Novawest Resources in 2002.

5.2 Sample Preparation, Methodology, Analysis and Security

Information within this section contains detailed overview of the sampling method(s), preparation, methodology, and security throughout the sampling procedure. In a general sense, this is a guideline for best practices which were followed during this program of work.

5.2.1 Field Sample Collection and Security

The area around the Maude Lake Showing (Nicopor Prospect) had been exposed partially by previous workers. The exposed bedrock was mapped at a 1:100 scale to identify any potential controls on mineralization, including structure, lithology, and alteration; using these features a series of channel samples were laid out roughly perpendicular to structures and veins to test the sulphide content of the various lithology's, styles of alteration, and intensity of veining and mineralization. Individual channel samples and some grab samples were collected to test mineralization or features of interest that were separate from the main showing or separated from the other samples by irregularities in the bedrock exposure.

Channel samples were cut 10 to 15 cm into bedrock over widths of 4-7 cm using a gas-powered masonry /rock saw with a diamond blade. Sample lengths were determined by lithology but restricted to being no less than 0.3 m and no more than 1.5 m. Individual samples were chiselled out, described, labelled, placed in sample bags and sealed. Groups of seven to ten sequentially numbered samples in plastic sample bags were then placed in Fabrene shipping bags, securely closed with zip ties and stored until such time as Transition personnel could transport them directly to the ALS-Chemex facilities in Thunderbay, Ontario for sample preparation, with analyses completed in North Vancouver, B.C. The sample assurance system used by ALS-Chemex complies with international standards ISO 9001:2000 and ISO 17025:2005.

5.2.2 Field Sample Analysis

Samples submitted to ALS Chemex were prepared using the analytical methods as described in the corresponding analytical certificates contained within Appendix B.

At ALS Chemex, the samples were dried as required, and crushed to 70% less than 2 mm or better using a jaw and/or roller crusher. The crushed sample was split using a riffle splitter and an approximately 1 kilogram split was pulverize split to better than 85% passing 75 microns or better using a ring and puck grinding mill. The pulverized splits of the samples were transported by ALS-Chemex to their facility in North Vancouver for analyses.

5.2.3 Field QA/QC Programme

Internal quality assurance and quality control (QAQC) samples were added to the sample sequence. Blank and standard material was generally inserted in the sample numbering sequence at regular intervals, easily denoted within Appendix B, as the significantly lower received weights denote blank/standard material. Internal QA-QC reports (not included within this assessment report) were generated by G Mourre, P. Geo. for each laboratory batch as received; with an internal continual compilation of QA-QC results being maintained.

There were no undue analytical failures for this work program.

5.3 GEOPHYSICAL REVIEW

Alan King, P.Geo, of Geoscience North Ltd., located in Sudbury Ontario, was contracted by Transition Metals Corp to review of the available geophysical products which overlap the Maude Lake property, and undertake the construction of magnetic 3D inversion models (Figure 7). The Geophysical report and details contained within are attached as appendix C.

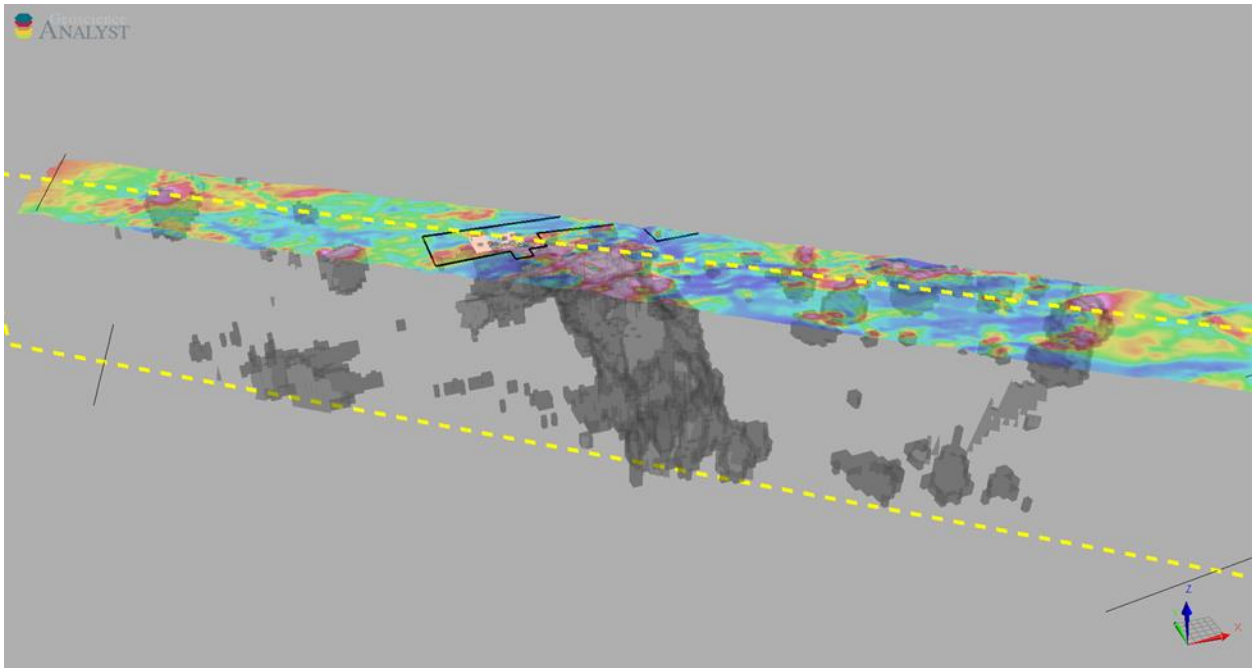

Figure 7: Magnetic 3D inversion Models of Geoscience North Ltd

5.3.1 GEOPHYSICAL LOCATION INFORMATION

The Geophysical Modelling and Reprocessing undertaken by Alan King was conducted on historical data sets acquired from various assessment reports, electronic databases, historic maps and sections; which cover the Maude Lake Property, either partially, or in its entirety. The regional data was cropped down to township Scale, to within the property area (Pays Plat Lake Area and the Lower Aquasabon Area Townships), as seen within the property position (refer to Section 2 of this report for mineral tenure and cell numbers & ownership). As observed within the attached report (Appendix C), the claim fabrics and property outlines are displayed, consistent with those delineated within Section 2. While the images, maps, and renderings within Appendix C, are orientated from different perspectives, remains the same as labelled and described within Section 2 of this report. To label each and every mining cell within each image/diagram contained within the Appendix C would be onerous, and non-productive activity, as the labels would detract from the geophysical features attempting to be displayed; instead, the common claim fabrics, mineral tenures, township boundaries (while note ladled), are preserved for each image, and are consistent with those labelled within Section 2 of this report..

5.3.2 GEOPHYSICAL REVIEW

While a review of historical geophysical products and data is important, also understanding the limitations of the historical products is even more critical to understanding the scope, and details they can be used for. Thus, this work can help delineate gaps in the geophysical data sets, their technical limitations, and where newer, more robust geophysical products can be deployed to better resolve an unknown geophysical target or question.

Alan King concluded in his report (see Appendix C), a few key findings regarding the historical geophysical products, summarized below:

(1) The dominant feature from the magnetics is a west-north-westerly trending magnetic body. Between L7125E and L7250E the zone changes character from a magnetic low to a magnetic high indicating a change in the direction of the magnetization. The significance of this is not understood.
(2) The contact between the felsics and the magnetite-rich mafic volcanics (in the southern part of the grid) is well defined by a magnetic contact. However, the mafic volcanics on the north part of the gird are magnetically transparent so that the contact with the felsics is not seen.
(3) The results of the Pulse-EM work did not locate any significant responses. Only a swamp was located as a 2-channel response with very rapid decay.

5.3.3 3D INVERSIONS

Alan King created multiple 3D Magnetic, Gravity. and conductivity inversion models, which were produced that fits the data to a reasonable degree (data from the GDS1104 Schreiber FEM and Mag Survey 2000, from the OGS). The re-modelling removes even subtle topographic artefacts that are present in the data unless they are also geologic in nature (e.g. features that both erosional and electrically resistive, or porous and permeable sediments present in topographic drainages that could also be electrically conductive). The model is unconstrained by a priori geologic and physical property information. King's proprietary 3D EM/MT code inverts avaiable data on an OcTree grid representation of the earth, allowing sufficiently small cell sizes to capture important geologic features presented in the data, while increasing accuracy and inversion efficiency.

The inversion of additional data employs a simplified apparent conductivity formulation with two perpendicular polarizations (Hy/Ex and Hx/Ey) being used simultaneously. Apparent conductivity was used in the inversion and phase data could be included should these be supplied by the historic clients.

Geophysical and Geologic data was imported to Geoscience Analyst software to assist in visualizing and interpret the data in 3D. (See Appendix C, Figure 13, on page 21)

Unconstrained 3D magnetic inversions were done on a subset of the OGS Schreiber survey (data from the GDS1104 Schreiber FEM and Mag Survey 2000, from the OGS), around the Nicopor showing. To preserve detail and accommodate the presence of magnetic remanence, two types of inversions were done, each highlighting different features (Figure 8)

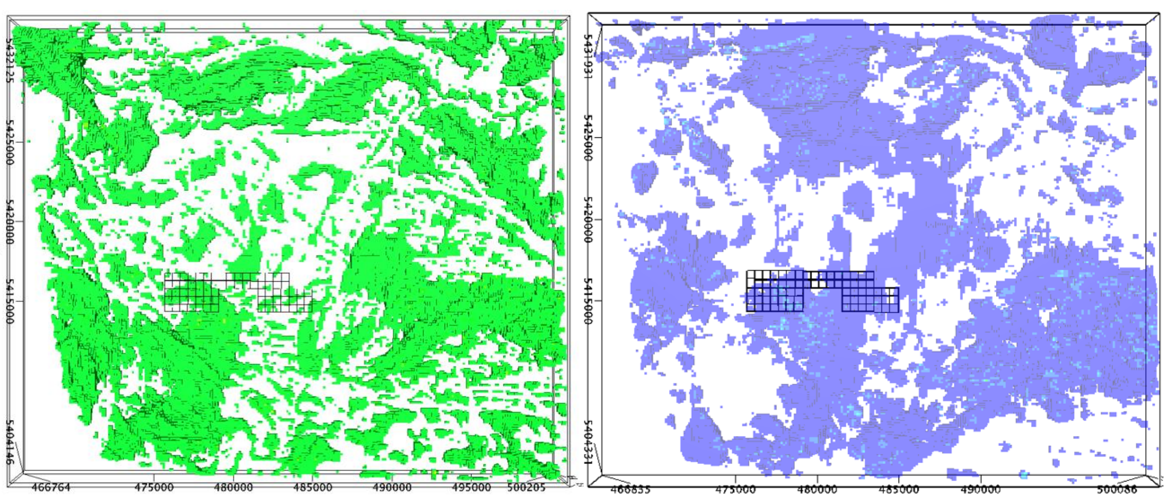

Figure 8: 3-D Magnetic Inversions from Alan Kings Report (appendix C), Right: Magnetic Susceptibility inversion(MSI) Left: Magnetic Vector Inversion (MVI)

In Figure 8, on the Left is a Plan view of 3D Magnetic Susceptibility inversion, which has more detail but is less accurate in areas of magnetic remanence. The details for the inversion are as follows: (mag inv hisens regional 150m_2019-03-22_17-17-20_susc with a low cut of on mag susc. values of 0.002 SI.)

In Figure 8, on the Right, is a Plan view of 3D The Magnetic Vector Inversion (MVI) inversion which has less detail but is more accurate in areas of magnetic remanence. The details for the inversion are as follows: (mag inv hisens regional 150m-mvi_2019-03-23_07-30-06_ampl with a low cut of on magnetiztion values at 0.006 Units)

The Magnetic Vector Inversion (MVI) on the right in Figure 8 shows a model of total 3D magnetization and works in areas with strong magnetic remanence but usually has less detail than the conventional Magnetic Susceptibility inversion (MSI) shown on the left. It is apparent that the MSI preserves more detail but may not be quantitatively correct for rock units with strong magnetic remanence while the MVI is likely to be a better large-scale representation of all magnetized bodies.

Further Discussions from the findings of the 3D inversions can be found within Appendix C, Sections 6.2. The large magnetic body that is located over the west side of the Maude Lake property and underlies the Nicopor showing is more prominent and cohesive in the MVI inversion and as shown in Figures 14 and 15 seems to dip at about 45 degrees to the SE. The more coherent MVI inversion suggests that there could be a -ve MCR related portion to this body. This possibility could be studied in a more detailed comparison in 3D.

5.3.4 Interpretation & Findings of the Work Performed

With an attempt to better understand the mineralization and the potential of the Maude Lake Property, Alan King recommended to Transition Metals undertake a number of steps to better address the findings for the historic Geophysical products. Below is a highlight of what might be the most prominent products or methods to produce workable geophysical products in the future.

(1) A new, deeper penetrating, lower frequency, modern Airborne TDEM system over areas of interest could be useful. This survey should have B field and B field tau as part of the deliverables.
(2) Do BHEM with on-time (UTEM or Crone STEP response) for large, very conductive targets in all old holes that are still open, and in any new holes.
(3) On time surface large loop TEM (UTEM or Crone STP) to follow up any new anomalies if new AEM is done, or over areas of interest if no new AEM.

For further information Alan King’s findings, see sections seven (7) and eight (8) of the geophysical report contained within Appendix C. New Exploration targets derived from this geophysical review are not points or areas on a map; more of an entire re-processing of historic data, compilation and incorporation with other newly acquired data sets. In detail, it was discovered that a better, higher resolution airborne geophysical survey, using modern geophysical processing systems must be used as a first pass to quantify and qualify the historic ground based geophysical anomalies; knowing that there were depth limitations present in the historic products, which were not documented (for example, depth penetration, and size relationships to loops/lines used). in areas which were covered by historic products, to better delineate their geophysical properties.

This work as provided the company with guidance and recommendations on how to better accomplish its goals with respect to large, conductive bodies, which have been missed in the historical geophysical products.

6.0 EXPENDITURES

The total value of the work completed on the claims is summarized in Table 3. The total work expenditures for the work program(s) contained within this report were completed during the period June 5th to June 8th of 2019; with an exploration expenditure of $**13,711** (**Error! Reference source not found.**). More information regarding expenditures and associated invoices can be found in Appendix C and the detailed tables and invoices contained within.

Table 3: Summary of Expenditures

Work Type	Work Subtype	Subtotal	Total
Geological Survey Work			**$ 3,200**
	Geological Survey	3,200	
Modelling or Reprocessing of Data			**$ 4,000**
	Data Reprocessing	4,000	
Associated Work types			**$ 6,511**
	Assays	2,729	
	Personal Transportation	441	
	Supplies	963	
	Report/Map	1,200	
	Food	522	
	Lodgings	658	
		Total Expenditures	**$ 13,711**

7.0 RECOMMENDATIONS

From the company's initial review of the property and from compilation of historical reports and geophysical data which exists in the vicinity of the Maude Lake Property; the author would recommend that some of the previously identified targets and geological contact be re-examined by company personal in more detail. This examination should include one or more of the following aspects of:

(1) Additional reconnaissance mapping and sampling of the property would be highly recommended to better understand the intrusive contact relationship(s), and the areas structural importance, especially around areas of exposed sulphide mineralization.

(2) Modern stripping, with high-pressure washing of the historical blast pit in and around the area of the main showing would be highly beneficial. This would include detailed mapping of controlling structure, and additional channel sampling to provide an updated representative geological understanding of mineralization.

(3) Conduct a new, deeper penetrating, lower frequency modern Airborne TDEM system over areas of interest would be useful. This survey should have B field and B field tau as part of the deliverables; from which inversion modelling could/would produce high resolution drill targets.

(4) If drill testing were to advance, (which is recommended), it should be undertaken in combination with borehole geophysics (BHEM) with and on-time (either UTEM or Crone STEP) response for large, very conductive targets; (in all old holes that are still open), and in any new holes; and perhaps with an on-time surface large loop TEM (UTEM or Crone STP) to follow up any new anomalies if new AEM is done, or over areas of interest if no new AEM.

8.0 STATEMENT OF AUTHORS

8.1 STATEMENT OF AUTHOR: WILLIAMS, B.

I, Benjamin Williams do hereby certify that:

1) I am an employee of Transition Metals Corp.

2) I currently reside at 407 Cartier Ave, Unit 3, Sudbury, Ontario, Canada, P3B 1C7,

3) I graduated with a B.Sc Hon. Geology degree in 2013 from Saint Mary's University, Halifax, NS.

4) I am a registered Geologist in Training (GIT) with the Association of Professional Geoscientists of Ontario (APGO) since 2015 (Membership number: 10309).

5) I have been working as a Field Geologist in Canada since 2011.

Signed this Monday, 11 July 2022, in the City of Sudbury, Ontario

Benjamin Williams, GIT.

8.1 STATEMENT OF AUTHOR: MOURRE, G.

I, Grant Mourre do hereby certify that:

1) I am an employee of Transition Metals Corp., of Sudbury, ON.

2) I currently reside at 19 Kristi Crt, Sudbury, Ontario, P3E 5R4,

3) I graduated with B.Sc. Hon. Geology degree in 1997 from the University of Saskatchewan, Saskatoon, SK and a M.Sc. Geology degree in 2001 from Laurentian University, Sudbury, ON.

4) I am a registered Professional Geoscientists (P.Geo) with the Association of Professional Geoscientists of Ontario (APGO) since Oct 30, 2002 (Membership number: 0566).

5) I have been working as a Professional Geoscientists in Canada since 1999.

Signed this Monday, 11 July 2022 in the City of Sudbury, Ontario

Grant Mourre

Grant Mourre, P.GEO.

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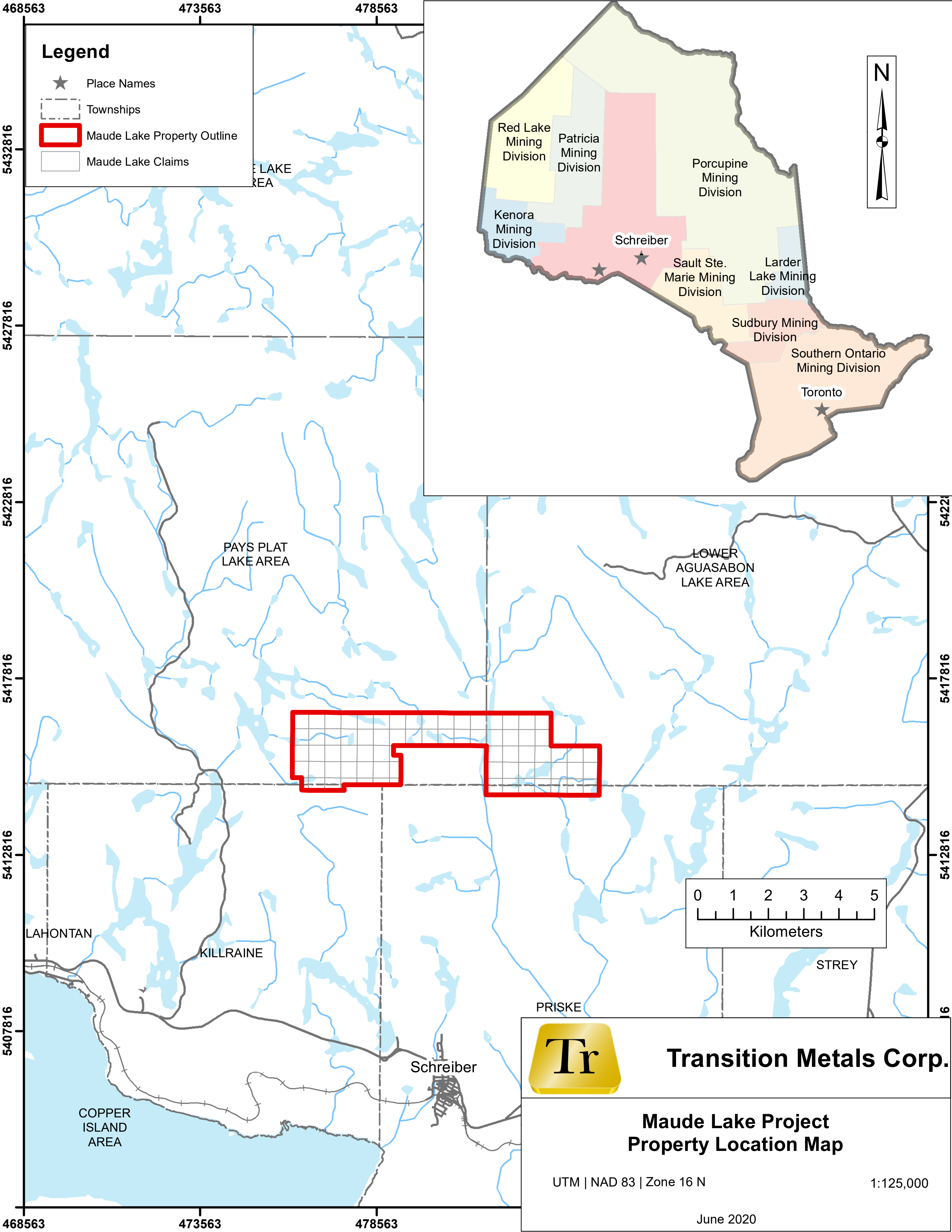
Appendix A: Maps, Sample Locations & Sample Descriptions

Contents

1. Note on Maps & Plots

Below contains a sample location maps for the 2019 property visit for samples collected in and around the historic Nicopor prospect showing of the Maude Lake Property. Discussion and summary about the program can be found within section 5.1 of the main report. Analytical Certificates can be found within Appendix C.

*Northing & Easting units are in **UTM NAD 83 Zone 16 N** coordinates (in metres).


Legend
Place Names
Townships
Maude Lake Property Outline
Maude Lake Claims
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473563
478563
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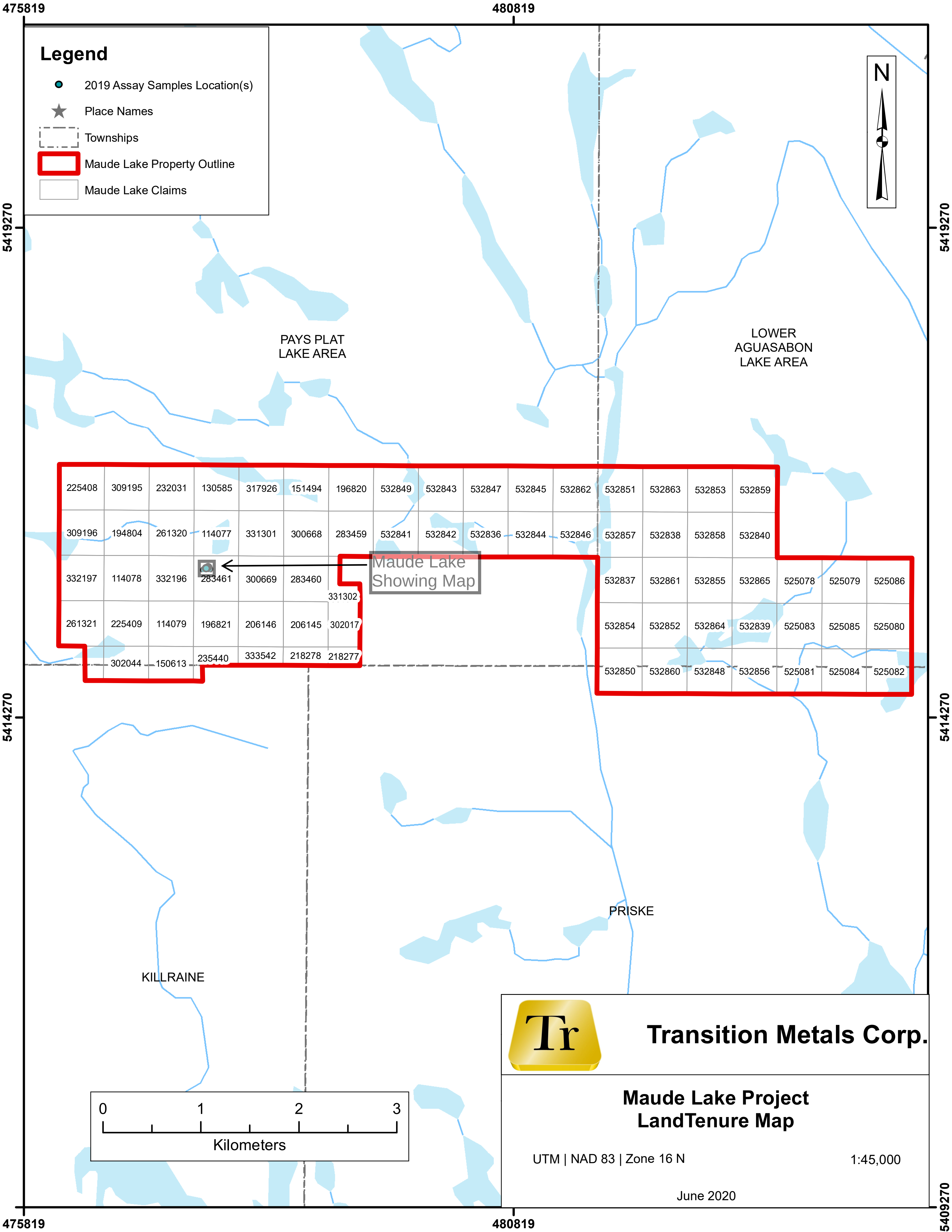
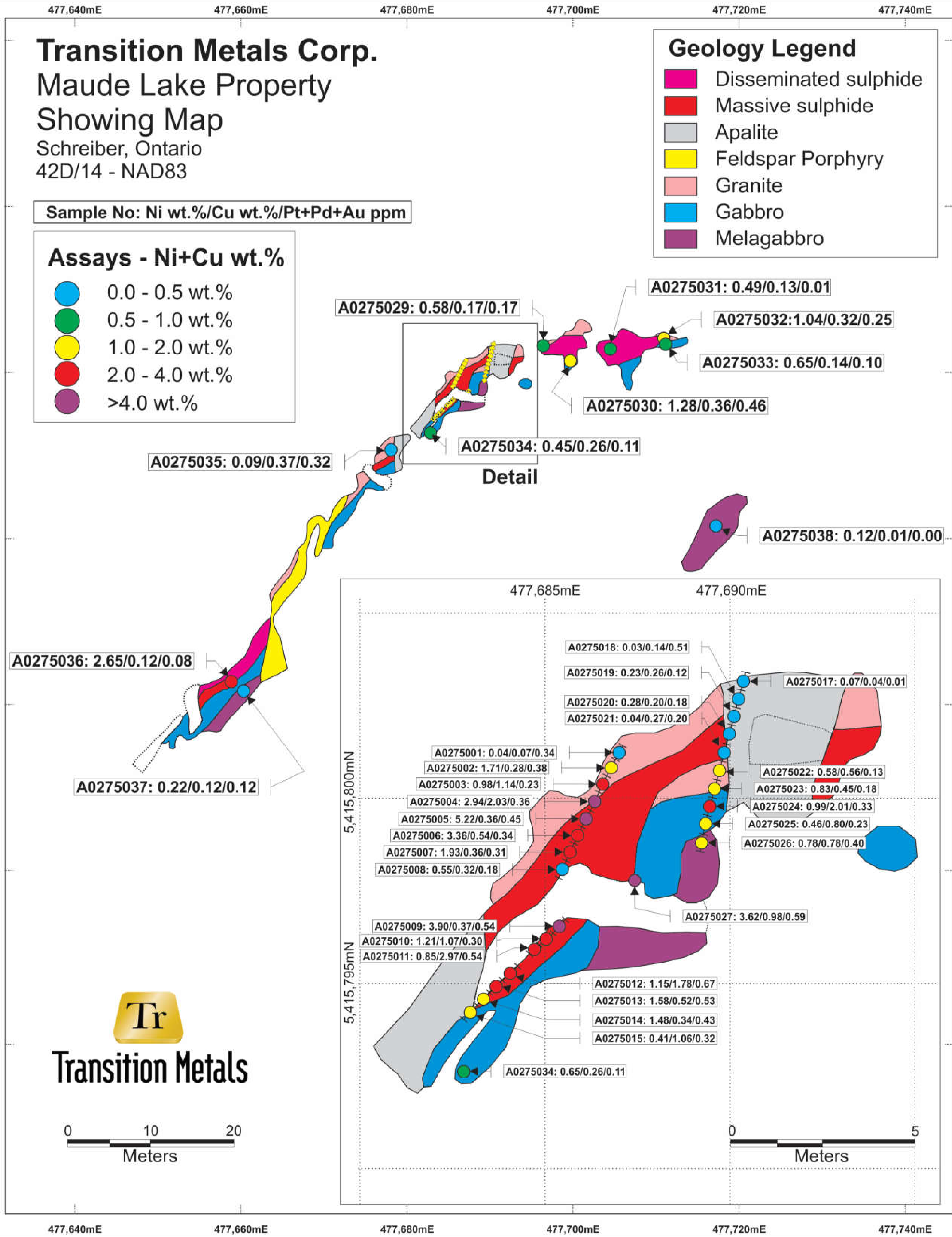
5427816
5422816
5417816
5412816
5407816
N
Red Lake Mining Division
Patricia Mining Division
Porcupine Mining Division
Kenora Mining Division
Schreiber
Sault Ste. Marie Mining Division
Larder Lake Mining Division
Sudbury Mining Division
Southern Ontario Mining Division
Toronto
PAYS PLAT LAKE AREA
LOWER AGUASABON LAKE AREA
LAHONTAN
KILLRAINE
PRISKE
STREY
COPPER ISLAND AREA
0 1 2 3 4 5
Kilometers
Transition Metals Corp.
Maude Lake Project
Property Location Map
UTM | NAD 83 | Zone 16 N
1:125,000
June 2020



475819
480819
5419270
5414270
5409270
Legend
2019 Assay Samples Location(s)
Place Names
Townships
Maude Lake Property Outline
Maude Lake Claims
N
PAYS PLAT LAKE AREA
LOWER AGUASABON LAKE AREA
PRISKE
KILLRAINE
Maude Lake Showing Map
225408 309195 232031 130585 317926 151494 196820 532849 532843 532847 532845 532862 532851 532863 532853 532859
309196 194804 261320 114077 331301 300668 283459 532841 532842 532836 532844 532846 532857 532838 532858 532840
332197 114078 332196 283461 300669 283460 331302 532837 532861 532855 532865 525078 525079 525086
261321 225409 114079 196821 206146 206145 302017 532854 532852 532864 532839 525083 525085 525080
302044 150613 235440 333542 218278 218277 532850 532860 532848 532856 525081 525084 525082
0 1 2 3
Kilometers
Transition Metals Corp.
Maude Lake Project
LandTenure Map
UTM | NAD 83 | Zone 16 N
1:45,000
June 2020



477,640mE
477,660mE
477,680mE
477,700mE
477,720mE
477,740mE
Transition Metals Corp.
Maude Lake Property
Showing Map
Schreiber, Ontario
42D/14 - NAD83
Sample No: Ni wt.%/Cu wt.%/Pt+Pd+Au ppm
Assays - Ni+Cu wt.%
0.0 - 0.5 wt.%
0.5 - 1.0 wt.%
1.0 - 2.0 wt.%
2.0 - 4.0 wt.%
>4.0 wt.%
Geology Legend
Disseminated sulphide
Massive sulphide
Apalite
Feldspar Porphyry
Granite
Gabbro
Melagabbro
A0275029: 0.58/0.17/0.17
A0275031: 0.49/0.13/0.01
A0275032:1.04/0.32/0.25
A0275033: 0.65/0.14/0.10
A0275030: 1.28/0.36/0.46
A0275034: 0.45/0.26/0.11
A0275035: 0.09/0.37/0.32
Detail
A0275038: 0.12/0.01/0.00
A0275036: 2.65/0.12/0.08
A0275037: 0.22/0.12/0.12
477,685mE
477,690mE
A0275018: 0.03/0.14/0.51
A0275019: 0.23/0.26/0.12
A0275017: 0.07/0.04/0.01
A0275020: 0.28/0.20/0.18
A0275021: 0.04/0.27/0.20
A0275001: 0.04/0.07/0.34
A0275002: 1.71/0.28/0.38
A0275022: 0.58/0.56/0.13
A0275003: 0.98/1.14/0.23
A0275023: 0.83/0.45/0.18
A0275004: 2.94/2.03/0.36
A0275024: 0.99/2.01/0.33
A0275005: 5.22/0.36/0.45
A0275025: 0.46/0.80/0.23
A0275006: 3.36/0.54/0.34
A0275026: 0.78/0.78/0.40
A0275007: 1.93/0.36/0.31
A0275008: 0.55/0.32/0.18
5,415,800mN
A0275027: 3.62/0.98/0.59
A0275009: 3.90/0.37/0.54
A0275010: 1.21/1.07/0.30
A0275011: 0.85/2.97/0.54
A0275012: 1.15/1.78/0.67
A0275013: 1.58/0.52/0.53
A0275014: 1.48/0.34/0.43
A0275015: 0.41/1.06/0.32
5,415,795mN
A0275034: 0.65/0.26/0.11
Tr
Transition Metals
0
10
20
Meters
0
5
Meters

5. Sample Descriptions

Sample Number	UTM	Easting	Northing	Channel	Channel Details			Rock type	Comments	Observable Sulfide Content (%)	Mineral Content			Assay Results							
					From (m)	To (m)	Length (m)				po%	py%	cpy%	Ni wt%	Cu wt%	Co wt%	Au ppm	Pt ppm	Pd ppm	Ag ppm	S wt%
A0275001	NAD 83, Zone 16N	477683.1	5415796.0	CH1	0	0.5	0.5	Granite	Weathered	1	-	1	-	0.04	0.07	0.002	0.017	0.106	0.221	0.9	0.99
A0275002	NAD 83, Zone 16N	477682.8	5415795.6	CH1	0.5	1	0.5	Granite	massive sulfide	30	-	-	-	1.71	0.28	0.06	0.019	0.084	0.276	1.7	12.6
A0275003	NAD 83, Zone 16N	477682.6	5415795.2	CH1	1	1.5	0.5	Granite	massive sulfide	30	-	-	-	0.98	1.14	0.034	0.064	0.026	0.142	3.6	8.31
A0275004	NAD 83, Zone 16N	477682.3	5415794.8	CH1	1.5	2	0.5	Granite	massive sulfide	50	40	-	10	2.94	2.03	0.066	0.034	0.078	0.245	6.2	17.95
A0275005	NAD 83, Zone 16N	477682.0	5415794.3	CH1	2	2.5	0.5	Granite	massive sulfide	70	60	5	5	5.22	0.36	0.106	0.023	0.091	0.335	1.7	26.1
A0275006	NAD 83, Zone 16N	477681.8	5415793.9	CH1	2.5	3	0.5	Granite	massive sulfide	40	35	3	2	3.36	0.54	0.071	0.023	0.084	0.23	2.4	18.2
A0275007	NAD 83, Zone 16N	477681.5	5415793.5	CH1	3	3.5	0.5	Gabbro	massive sulfide	20	-	-	-	1.93	0.36	0.073	0.022	0.074	0.216	1.5	15.9
A0275008	NAD 83, Zone 16N	477681.3	5415793.0	CH1	3.5	4	0.5	Gabbro	semi-massive sulfide	10	-	-	-	0.55	0.32	0.021	0.022	0.056	0.103	0.9	5.08
A0275009	NAD 83, Zone 16N	477681.9	5415791.7	CH2	0	0.5	0.5	Granite	massive sulfide	40	35	3	2	3.9	0.37	0.093	0.016	0.087	0.435	2.3	26.4
A0275010	NAD 83, Zone 16N	477681.5	5415791.4	CH2	0.5	1	0.5	Granite	Bright silver fracture controlled mineral	25	5	15	-	1.21	1.07	0.039	0.066	0.048	0.189	3.5	8.86
A0275011	NAD 83, Zone 16N	477681.0	5415791.1	CH2	1	1.35	0.35	Gabbro	massive sulfide	20	-	-	-	0.85	2.97	0.028	0.291	0.049	0.2	8.1	8.86
A0275012	NAD 83, Zone 16N	477680.4	5415790.6	CH2B	0	0.5	0.5	Gabbro	massive sulfide	40	20	5	15	1.15	1.78	0.049	0.21	0.089	0.375	5.4	9.92
A0275013	NAD 83, Zone 16N	477679.9	5415790.3	CH2B	0.5	1	0.5	Granite	massive sulfide	35	30	5	-	1.58	0.52	0.072	0.026	0.094	0.412	2.2	12.55
A0275014	NAD 83, Zone 16N	477679.5	5415790.1	CH2B	1	1.5	0.5	Granite	massive sulfide	30	20	10	-	1.48	0.34	0.045	0.033	0.08	0.321	1.7	9.79
A0275015	NAD 83, Zone 16N	477679.1	5415789.8	CH2B	1.5	2	0.5	Granite	semi-massive sulfide	20	15	-	5	0.41	1.06	0.016	0.048	0.072	0.2	4	4.08
A0275017	NAD 83, Zone 16N	477685.1	5415794.3	CH3	0	0.5	0.5	Granite	Weathered	2	1	1	-	0.07	0.04	0.005	0.004	0	0.009	0.5	0.47
A0275018	NAD 83, Zone 16N	477685.1	5415793.8	CH3	0.5	1	0.5	Granite	Completely weathered	-	-	-	-	0.03	0.14	<0.002	0.02	0.091	0.397	2.9	2.23
A0275019	NAD 83, Zone 16N	477685.1	5415793.3	CH3	1	1.5	0.5	Granite	Completely weathered	-	-	-	-	0.23	0.26	0.008	0.014	0.02	0.081	1.6	1.95
A0275020	NAD 83, Zone 16N	477685.1	5415792.9	CH3	1.5	2	0.5	Granite	disseminated sulfide	20	10	10	-	0.28	0.2	0.033	0.014	0.053	0.116	1.2	4.17
A0275021	NAD 83, Zone 16N	477685.1	5415792.3	CH3	2	2.5	0.5	Granite	Weathered	20	10	10	-	0.04	0.27	0.012	0.014	0.036	0.147	2.3	2.02
A0275022	NAD 83, Zone 16N	477685.1	5415791.8	CH3	2.5	3	0.5	Granite	semi-massive sulfide	20	10	5	5	0.58	0.56	0.021	0.014	0.038	0.073	1.8	4.34
A0275023	NAD 83, Zone 16N	477685.1	5415791.3	CH3	3	3.5	0.5	Granite	semi-massive sulfide	5	-	-	-	0.83	0.45	0.025	0.014	0.036	0.13	1.3	5.6
A0275024	NAD 83, Zone 16N	477685.1	5415790.8	CH3	3.5	4	0.5	Gabbro	semi-massive sulfide	30	10	10	10	0.99	2.01	0.107	0.034	0.149	0.15	5.6	16.4
A0275025	NAD 83, Zone 16N	477685.1	5415790.3	CH3	4	4.5	0.5	Gabbro	disseminated sulfide	10	4	3	3	0.46	0.8	0.021	0.012	0.048	0.165	2.8	4.7
A0275026	NAD 83, Zone 16N	477685.1	5415789.8	CH3	4.5	5	0.5	Gabbro	semi-massive sulfide	10	4	3	3	0.78	0.78	0.029	0.022	0.064	0.317	3.7	5.09
A0275027	NAD 83, Zone 16N	477683.3	5415790.6	Grab	-	-	-	Gabbro	massive sulfide	60	50	5	5	3.62	0.98	0.115	0.03	0.125	0.437	3.1	25.4
A0275029	NAD 83, Zone 16N	477702.0	5415802.0	Grab	-	-	-	Gabbro	semi-massive sulfide	30	20	5	5	0.58	0.17	0.019	0.008	0.024	0.133	1.1	4.05
A0275030	NAD 83, Zone 16N	477703.0	5415802.0	Grab	-	-	-	Melagabbro	semi-massive sulfide	35	30	5	-	1.28	0.36	0.035	0.012	0.073	0.37	1.9	8.82
A0275031	NAD 83, Zone 16N	477703.0	5415804.0	Grab	-	-	-	Gabbro	disseminated sulfide	5	3	2	-	0.49	0.13	0.015	0.007	0.023	0.069	0.8	
A0275032	NAD 83, Zone 16N	477707.0	5415801.0	Grab	-	-	-	Granite	semi-massive sulfide	20	-	-	-	1.04	0.32	0.023	0.04	0.027	0.181	1.9	5.9
A0275033	NAD 83, Zone 16N	477707.0	5415801.0	Grab	-	-	-	Granite	semi-massive sulfide	5	5	-	-	0.65	0.14	0.022	0.009	0.018	0.073	1.1	
A0275034	NAD 83, Zone 16N	477677.6	5415788.6	Grab	-	-	-	Melagabbro	disseminated sulfide	15	10	5	-	0.45	0.26	0.023	0.011	0.026	0.074	0.8	
A0275035	NAD 83, Zone 16N	477675.0	5415786.0	Grab	-	-	-	Granite	disseminated sulfide	40	30	5	5	0.09	0.37	0.023	0.075	0.107	0.133	2.2	3.81
A0275036	NAD 83, Zone 16N	477658.0	5415772.0	Grab	-	-	-	Gabbro	disseminated sulfide	-	-	-	-	2.65	0.12	0.068	0.008	0.008	0.065	1	16.1
A0275037	NAD 83, Zone 16N	477658.0	5415772.0	Grab	-	-	-	Melagabbro	disseminated sulfide	5	-	-	-	0.22	0.12	0.009	0.05	0.023	0.045	0.5	
A0275038	NAD 83, Zone 16N	477717.0	5415782.0	Grab	-	-	-	Pyroxenite	disseminated sulfide	-	-	-	-	0.12	0.01	0.011	0.001	<0.005	0.002	<0.5	

Appendix B: Analytical Certificates

Contents

ALS Canada Ltd.

2103 Dollarton Hwy
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www.alsglobal.com/geochemistry

To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

CERTIFICATE TB19136426

Project: PGEN

This report is for 38 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 5-JUN-2019.

The following have access to data associated with this certificate:

GRANT MOURRE

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	
S-IR08	Total Sulphur (Leco)	LECO
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

ALS Canada Ltd.

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	WEI-21 Recvd Wt. kg 0.02	ME-ICP81 Al2O3 % 0.01	ME-ICP81 As % 0.01	ME-ICP81 CaO % 0.05	ME-ICP81 Co % 0.002	ME-ICP81 Cr % 0.01	ME-ICP81 Cu % 0.002	ME-ICP81 Fe % 0.05	ME-ICP81 Fe2O3 % 0.05	ME-ICP81 K % 0.1	ME-ICP81 MgO % 0.01	ME-ICP81 MnO % 0.01	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 S % 0.01
A0275001		0.82	6.14	<0.01	0.52	0.002	<0.01	0.073	18.05	25.8	0.3	0.11	0.01	0.035	<0.01	0.99
A0275002		0.85	6.87	0.01	0.63	0.060	0.01	0.279	19.30	27.6	0.2	0.23	0.02	1.710	<0.01	12.60
A0275003		0.88	9.39	0.01	0.76	0.034	0.01	1.135	13.90	19.85	0.2	0.23	0.03	0.984	<0.01	8.31
A0275004		1.18	5.42	<0.01	0.43	0.066	<0.01	2.03	30.1	43.0	0.1	0.18	0.03	2.94	<0.01	17.95
A0275005		1.73	2.83	0.01	0.41	0.106	<0.01	0.356	42.9	61.3	0.1	0.22	0.03	5.22	<0.01	26.1
A0275006		1.55	5.65	<0.01	0.48	0.071	0.01	0.537	28.8	41.2	0.3	0.33	0.03	3.36	<0.01	18.20
A0275007		2.06	3.25	0.01	3.58	0.073	0.01	0.360	42.1	60.2	0.2	0.28	0.08	1.925	<0.01	15.90
A0275008		1.16	2.48	0.01	4.30	0.021	0.01	0.319	49.2	70.3	<0.1	0.27	0.11	0.548	<0.01	5.08
A0275009		1.15	3.57	0.01	0.85	0.093	0.01	0.367	38.1	54.5	0.1	0.32	0.02	3.90	<0.01	26.4
A0275010		1.48	7.63	0.01	3.65	0.039	0.01	1.070	28.5	40.7	0.2	0.56	0.05	1.205	<0.01	8.86
A0275011		0.94	8.03	0.01	8.61	0.028	0.01	2.97	22.6	32.3	0.1	0.91	0.09	0.850	<0.01	8.86
A0275012		1.20	5.14	0.01	3.54	0.049	0.01	1.780	35.8	51.2	0.1	0.58	0.05	1.150	<0.01	9.92
A0275013		1.85	6.10	0.01	2.95	0.072	0.01	0.524	30.3	43.3	0.1	0.48	0.04	1.575	<0.01	12.55
A0275014		0.71	6.84	0.01	1.99	0.045	0.01	0.339	25.6	36.6	0.2	0.33	0.04	1.475	0.01	9.79
A0275015		0.80	8.41	<0.01	2.59	0.016	<0.01	1.060	19.05	27.2	0.5	0.46	0.04	0.405	0.01	4.08
A0275016		0.06	6.94	<0.01	4.00	0.055	0.02	1.670	27.3	39.1	0.6	3.27	0.11	2.41	<0.01	14.15
A0275017		1.40	14.00	<0.01	3.53	0.005	0.01	0.042	5.52	7.89	1.6	2.56	0.08	0.066	<0.01	0.47
A0275018		1.37	2.60	0.01	0.17	<0.002	<0.01	0.138	39.7	56.8	0.2	0.05	0.01	0.025	<0.01	2.23
A0275019		1.16	9.63	<0.01	0.69	0.008	<0.01	0.261	9.46	13.50	0.3	0.05	0.01	0.231	<0.01	1.95
A0275020		0.85	9.35	<0.01	0.87	0.033	0.01	0.198	10.80	15.45	0.3	0.15	0.01	0.284	<0.01	4.17
A0275021		2.17	7.67	<0.01	2.13	0.012	0.01	0.267	17.65	25.2	0.4	0.20	0.03	0.037	<0.01	2.02
A0275022		1.46	9.69	<0.01	1.02	0.021	0.01	0.557	11.10	15.90	0.4	0.27	0.03	0.578	0.01	4.34
A0275023		1.43	9.36	0.01	0.94	0.025	0.01	0.452	12.95	18.50	0.3	0.27	0.02	0.830	<0.01	5.60
A0275024		1.51	4.85	0.01	2.18	0.107	0.02	2.01	34.5	49.3	0.1	1.68	0.08	0.990	<0.01	16.40
A0275025		0.98	10.95	0.01	2.42	0.021	0.07	0.800	16.15	23.1	0.9	10.35	0.25	0.458	<0.01	4.70
A0275026		1.38	8.46	0.01	4.76	0.029	0.12	0.781	17.95	25.7	0.3	12.85	0.17	0.776	<0.01	5.09
A0275027		1.34	4.07	0.01	0.19	0.115	0.02	0.975	35.6	51.0	0.1	1.68	0.05	3.62	<0.01	25.4
A0275028		0.06	7.25	0.01	4.00	0.057	0.02	1.700	28.7	41.0	0.5	3.42	0.12	2.49	0.01	14.55
A0275029		1.89	9.56	<0.01	1.90	0.019	<0.01	0.167	14.95	21.4	0.3	0.22	0.03	0.579	<0.01	4.05
A0275030		1.86	10.70	<0.01	5.34	0.035	0.01	0.355	23.3	33.4	0.4	3.08	0.15	1.280	<0.01	8.82
A0275031		2.18														
A0275032		1.29	10.45	<0.01	1.12	0.023	<0.01	0.321	10.30	14.75	0.4	0.38	0.02	1.040	<0.01	5.90
A0275033		2.43														
A0275034		1.28														
A0275035		0.98	11.20	0.01	1.10	0.023	0.01	0.369	8.23	11.75	0.3	0.42	0.02	0.087	<0.01	3.81
A0275036		1.12	9.35	<0.01	1.82	0.068	0.04	0.124	28.3	40.4	0.3	4.30	0.10	2.65	<0.01	16.10
A0275037		1.83														
A0275038		1.87														

***** See Appendix Page for comments regarding this certificate *****

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method Analyte Units LOD	ME-ICP81 SiO2 % 0.2	ME-ICP81 TiO2 % 0.01	ME-ICP81 Zn % 0.002	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	Ag-AA45 Ag ppm 0.2	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1
A0275001		50.2	0.19	<0.002	0.017	0.106	0.221	0.9								
A0275002		43.9	0.19	0.003	0.019	0.084	0.276	1.7								
A0275003		56.4	0.22	0.015	0.064	0.026	0.142	3.6								
A0275004		33.0	0.25	0.013	0.034	0.078	0.245	6.2								
A0275005		16.7	0.26	0.005	0.023	0.091	0.335	1.7								
A0275006		35.7	0.15	0.005	0.023	0.084	0.230	2.4								
A0275007		19.7	0.11	0.005	0.022	0.074	0.216	1.5								
A0275008		18.2	0.14	0.009	0.022	0.056	0.103	0.9								
A0275009		21.3	0.13	0.002	0.016	0.087	0.435	2.3								
A0275010		38.1	0.30	0.012	0.066	0.048	0.189	3.5								
A0275011		40.9	0.18	0.026	0.291	0.049	0.200	8.1								
A0275012		28.4	0.22	0.016	0.210	0.089	0.375	5.4								
A0275013		35.5	0.20	0.008	0.026	0.094	0.412	2.2								
A0275014		42.9	0.18	0.007	0.033	0.080	0.321	1.7								
A0275015		51.5	0.19	0.009	0.048	0.072	0.200	4.0								
A0275016		29.0	0.44	0.020	0.142	0.835	0.927	6.0								
A0275017		60.9	0.55	0.006	0.004	<0.005	0.009	0.5								
A0275018		18.3	0.17	<0.002	0.020	0.091	0.397	2.9								
A0275019		65.3	0.14	<0.002	0.014	0.020	0.081	1.6								
A0275020		61.8	0.22	<0.002	0.014	0.053	0.116	1.2								
A0275021		56.1	0.14	<0.002	0.014	0.036	0.147	2.3								
A0275022		62.6	0.16	0.006	0.014	0.038	0.073	1.8								
A0275023		57.8	0.18	0.005	0.014	0.036	0.130	1.3								
A0275024		23.5	0.17	0.015	0.034	0.149	0.150	5.6								
A0275025		41.9	0.51	0.024	0.012	0.048	0.165	2.8								
A0275026		35.9	0.85	0.020	0.022	0.064	0.317	3.7								
A0275027		23.1	0.16	0.018	0.030	0.125	0.437	3.1								
A0275028		28.9	0.46	0.020	0.133	0.838	0.887	5.6								
A0275029		59.3	0.16	0.005	0.008	0.024	0.133	1.1								
A0275030		35.9	1.02	0.010	0.012	0.073	0.370	1.9								
A0275031					0.007	0.023	0.069		172.0	14.9	440	1.94	2.02	1.21	0.74	15.1
A0275032		62.5	0.27	0.003	0.040	0.027	0.181	1.9								
A0275033					0.009	0.018	0.073		113.0	11.0	1160	1.01	2.13	1.26	0.62	15.2
A0275034					0.011	0.026	0.074		154.5	13.3	1520	2.11	2.86	1.70	0.83	17.0
A0275035		63.1	0.27	0.004	0.075	0.107	0.133	2.2								
A0275036		27.8	0.52	0.004	0.008	0.008	0.065	1.0								
A0275037					0.050	0.023	0.045		151.0	9.0	550	1.66	1.67	0.94	0.49	15.8
A0275038					0.001	<0.005	0.002		34.5	9.8	1470	0.81	1.64	1.00	0.56	11.3

***** See Appendix Page for comments regarding this certificate *****

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UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05
A0275001																
A0275002																
A0275003																
A0275004																
A0275005																
A0275006																
A0275007																
A0275008																
A0275009																
A0275010																
A0275011																
A0275012																
A0275013																
A0275014																
A0275015																
A0275016																
A0275017																
A0275018																
A0275019																
A0275020																
A0275021																
A0275022																
A0275023																
A0275024																
A0275025																
A0275026																
A0275027																
A0275028																
A0275029																
A0275030																
A0275031		1.98	1.5	0.39	6.1	0.15	2.9	8.2	1.99	73.0	2.15	1	163.5	0.2	0.30	0.77
A0275032																
A0275033		1.96	1.5	0.42	4.2	0.18	2.9	7.4	1.58	37.1	1.89	2	55.5	0.2	0.30	0.53
A0275034		2.49	1.7	0.55	5.3	0.23	3.9	8.7	1.91	85.9	2.41	3	61.2	0.3	0.41	0.59
A0275035																
A0275036																
A0275037		1.57	1.1	0.28	3.8	0.11	2.3	5.8	1.26	45.0	1.51	1	152.0	0.2	0.20	0.27
A0275038		1.86	1.2	0.31	3.8	0.13	2.3	6.1	1.32	6.4	1.48	1	70.9	0.2	0.26	0.30

***** See Appendix Page for comments regarding this certificate *****

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method Analyte Units LOD	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002
A0275001																
A0275002																
A0275003																
A0275004																
A0275005																
A0275006																
A0275007																
A0275008																
A0275009																
A0275010																
A0275011																
A0275012																
A0275013																
A0275014																
A0275015																
A0275016																
A0275017																
A0275018																
A0275019																
A0275020																
A0275021																
A0275022																
A0275023																
A0275024																
A0275025																
A0275026																
A0275027																
A0275028																
A0275029																
A0275030																
A0275031		0.16	0.39	98	<1	11.0	1.11	55	45.2	15.40	19.25	3.71	8.12	1.99	1.56	0.058
A0275032																
A0275033		0.16	0.18	284	<1	11.8	1.23	54	40.0	8.46	27.8	2.99	12.35	0.58	0.76	0.152
A0275034		0.20	0.21	292	1	16.0	1.64	60	38.5	11.90	27.1	2.81	9.59	1.02	1.34	0.200
A0275035																
A0275036																
A0275037		0.11	0.09	72	<1	9.3	0.93	42	44.0	16.65	13.65	4.61	12.15	1.97	0.94	0.071
A0275038		0.12	0.12	174	4	8.8	0.94	45	42.7	9.92	18.05	6.01	18.15	0.86	0.19	0.196

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-ICP06 TiO2 % 0.01	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	TOT-ICP06 Total % 0.01	S-IR08 S % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1
A0275001																
A0275002																
A0275003																
A0275004																
A0275005																
A0275006																
A0275007																
A0275008																
A0275009																
A0275010																
A0275011																
A0275012																
A0275013																
A0275014																
A0275015																
A0275016																
A0275017																
A0275018																
A0275019																
A0275020																
A0275021																
A0275022																
A0275023																
A0275024																
A0275025																
A0275026																
A0275027																
A0275028																
A0275029																
A0275030																
A0275031		0.62	0.24	0.14	0.02	0.02	3.40	99.73	2.76	0.8	<5	0.6	152	1275	20	<1
A0275032																
A0275033		1.35	0.26	0.11	<0.01	0.01	3.39	98.21	3.79	1.1	<5	0.8	215	1445	20	<1
A0275034		1.41	0.31	0.12	0.01	0.02	4.39	98.72	3.27	0.8	<5	1.2	230	2640	30	<1
A0275035																
A0275036																
A0275037		0.44	0.14	0.11	0.02	0.02	4.57	99.34	0.93	0.5	<5	0.6	92	1200	50	<1
A0275038		0.74	0.25	0.10	0.01	<0.01	2.71	99.89	0.25	<0.5	<5	0.7	109	63	20	1

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
A0275001						
A0275002						
A0275003						
A0275004						
A0275005						
A0275006						
A0275007						
A0275008						
A0275009						
A0275010						
A0275011						
A0275012						
A0275013						
A0275014						
A0275015						
A0275016						
A0275017						
A0275018						
A0275019						
A0275020						
A0275021						
A0275022						
A0275023						
A0275024						
A0275025						
A0275026						
A0275027						
A0275028						
A0275029						
A0275030						
A0275031		4870	13	15	<10	219
A0275032						
A0275033		6510	6	19	<10	167
A0275034		4460	8	14	<10	300
A0275035						
A0275036						
A0275037		2190	9	9	<10	168
A0275038		1220	3	14	<10	175

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

CERTIFICATE OF ANALYSIS TB19136426

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Ag-AA45	ME-4ACD81	ME-ICP06	ME-ICP81
	ME-MS81	OA-GRA05	PGM-ICP23	S-IR08
	TOT-ICP06			

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

QC CERTIFICATE TB19136426

Project: PGEN

This report is for 38 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 5-JUN-2019.

The following have access to data associated with this certificate:

GRANT MOURRE		

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
LOG-21	Sample logging - ClientBarCode
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-31	Pulverize split to 85% <75 um
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
PGM-ICP23	Pt, Pd, Au 30g FA ICP	ICP-AES
Ag-AA45	Trace Ag - aqua regia/AAS	AAS
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	
S-IR08	Total Sulphur (Leco)	LECO
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP81	ICP Fusion - Ore Grade	ICP-AES

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

***** See Appendix Page for comments regarding this certificate *****

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Al2O3 % 0.01	ME-ICP81 As % 0.01	ME-ICP81 CaO % 0.05	ME-ICP81 Co % 0.002	ME-ICP81 Cr % 0.01	ME-ICP81 Cu % 0.002	ME-ICP81 Fe % 0.05	ME-ICP81 Fe2O3 % 0.05	ME-ICP81 K % 0.1	ME-ICP81 MgO % 0.01	ME-ICP81 MnO % 0.01	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 S % 0.01	ME-ICP81 SiO2 % 0.2
STANDARDS																
AMIS0167																
Target Range - Lower Bound																
Upper Bound																
AMIS0185																
Target Range - Lower Bound																
Upper Bound																
AMIS0281		9.31	<0.01	3.76	0.018	0.06	5.61	17.80	25.5	0.7	2.52	0.10	1.715	0.01	11.70	39.5
Target Range - Lower Bound		8.76	<0.01	3.50	0.013	0.04	5.27	17.05	24.4	0.5	2.35	0.08	1.650	<0.01	11.00	35.0
Upper Bound		10.10	0.02	4.14	0.021	0.08	5.83	19.75	28.2	0.9	2.72	0.12	1.830	0.03	12.70	40.7
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
CDN-W-4																
Target Range - Lower Bound																
Upper Bound																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
EMOG-17		8.84	0.06	2.50	0.075	0.01	0.827	5.01	7.16	1.7	1.64	0.10	0.766	0.72	3.23	66.7
Target Range - Lower Bound		8.27	0.04	2.44	0.069	<0.01	0.796	4.59	6.58	1.5	1.51	0.08	0.720	0.66	2.98	62.5
Upper Bound		9.53	0.08	2.91	0.081	0.02	0.884	5.39	7.68	1.9	1.76	0.12	0.800	0.78	3.46	72.4
G913-10																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GBM906-1																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
GPP-14																
GPP-14																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA45	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Method Analyte Units LOD	TiO2 % 0.01	Zn % 0.002	Au ppm 0.001	Pt ppm 0.005	Pd ppm 0.001	Ag ppm 0.2	Ba ppm 0.5	Ce ppm 0.1	Cr ppm 10	Cs ppm 0.01	Dy ppm 0.05	Er ppm 0.03	Eu ppm 0.03	Ga ppm 0.1	Gd ppm 0.05
STANDARDS															
AMIS0167							94.1	50.9	470	1.04	6.29	3.22	0.82	3.4	5.22
Target Range - Lower Bound															
Upper Bound															
AMIS0185															
Target Range - Lower Bound															
Upper Bound															
AMIS0281	0.42	0.073													
Target Range - Lower Bound	0.38	0.070													
Upper Bound	0.46	0.084													
AMIS0343															
Target Range - Lower Bound															
Upper Bound															
CDN-W-4															
Target Range - Lower Bound															
Upper Bound															
EMOG-17															
Target Range - Lower Bound															
Upper Bound															
EMOG-17	0.55	0.749													
Target Range - Lower Bound	0.50	0.704													
Upper Bound	0.59	0.814													
G913-10			7.13	<0.005	<0.001										
G913-10			7.34	<0.005	<0.001										
G913-10			7.26	<0.005	<0.001										
Target Range - Lower Bound			6.66												
Upper Bound			7.52												
GBM906-1						21.5									
Target Range - Lower Bound						20.8									
Upper Bound						24.4									
GPP-14			0.911	0.495	0.477										
GPP-14			0.919	0.505	0.478										
GPP-14			0.909	0.496	0.494										
Target Range - Lower Bound			0.853	0.468	0.451										
Upper Bound			0.965	0.538	0.511										

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method Analyte Units LOD	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01
							STANDARDS									
AMIS0167		2.8	1.13	26.3	0.32	4.4	20.7	5.73	16.9	5.29	1	21.9	1.7	0.94	50.4	0.45
Target Range - Lower Bound																
Upper Bound																
AMIS0185																
Target Range - Lower Bound																
Upper Bound																
AMIS0281																
Target Range - Lower Bound																
Upper Bound																
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
CDN-W-4																
Target Range - Lower Bound																
Upper Bound																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
G913-10																
G913-10																
G913-10																
Target Range - Lower Bound																
Upper Bound																
GBM906-1																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
GPP-14																
GPP-14																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
Analyte	U	V	W	Y	Yb	Zr	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2
Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%
LOD	0.05	5	1	0.1	0.03	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01
STANDARDS															
AMIS0167	498	69	1	26.6	2.81	100	92.2	2.43	3.41	0.14	0.24	0.09	0.50	0.061	0.15
Target Range - Lower Bound							89.6	2.29	3.28	0.10	0.21	0.06	0.45	0.049	0.12
Upper Bound							93.3	2.55	3.62	0.16	0.27	0.12	0.55	0.067	0.18
AMIS0185															
Target Range - Lower Bound															
Upper Bound															
AMIS0281															
Target Range - Lower Bound															
Upper Bound															
AMIS0343															
Target Range - Lower Bound															
Upper Bound															
CDN-W-4															
Target Range - Lower Bound															
Upper Bound															
EMOG-17															
Target Range - Lower Bound															
Upper Bound															
EMOG-17															
Target Range - Lower Bound															
Upper Bound															
G913-10															
G913-10															
G913-10															
Target Range - Lower Bound															
Upper Bound															
GBM906-1															
Target Range - Lower Bound															
Upper Bound															
GPP-14															
GPP-14															
GPP-14															
Target Range - Lower Bound															
Upper Bound															

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
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Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description / Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	S-IR08	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81
Analyte	MnO	P2O5	SrO	BaO	LOI	S	Ag	As	Cd	Co	Cu	Li	Mo	Ni	Pb
Units	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD	0.01	0.01	0.01	0.01	0.01	0.01	0.5	5	0.5	1	1	10	1	1	2
STANDARDS															
AMIS0167	0.03	0.03	<0.01	0.01											
Target Range - Lower Bound	<0.01	<0.01	<0.01	<0.01											
Upper Bound	0.04	0.05	0.02	0.02											
AMIS0185					21.1										
Target Range - Lower Bound					20.1										
Upper Bound					22.3										
AMIS0281															
Target Range - Lower Bound															
Upper Bound															
AMIS0343							<0.5	14	<0.5	2	50	7140	3	11	9
Target Range - Lower Bound							<0.5	<5	<0.5	<1	47	6300	<1	11	<2
Upper Bound							1.1	24	1.0	5	56	7730	6	17	10
CDN-W-4					4.35										
Target Range - Lower Bound					4.08										
Upper Bound					4.53										
EMOG-17							68.7	605	20.8	770	8660	30	1125	7870	7460
Target Range - Lower Bound							60.4	510	17.7	685	7740	<10	996	6820	6570
Upper Bound							75.0	634	22.7	839	8910	50	1220	8330	8030
EMOG-17															
Target Range - Lower Bound															
Upper Bound															
G913-10															
G913-10															
G913-10															
Target Range - Lower Bound															
Upper Bound															
GBM906-1															
Target Range - Lower Bound															
Upper Bound															
GPP-14															
GPP-14															
GPP-14															
Target Range - Lower Bound															
Upper Bound															

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
		STANDARDS		
AMIS0167				
Target Range - Lower Bound				
Upper Bound				
AMIS0185				
Target Range - Lower Bound				
Upper Bound				
AMIS0281				
Target Range - Lower Bound				
Upper Bound				
AMIS0343		<1	30	78
Target Range - Lower Bound		<1	<10	70
Upper Bound		2	50	90
CDN-W-4				
Target Range - Lower Bound				
Upper Bound				
EMOG-17		8	<10	7640
Target Range - Lower Bound		6	<10	6800
Upper Bound		10	20	8320
EMOG-17				
Target Range - Lower Bound				
Upper Bound				
G913-10				
G913-10				
G913-10				
Target Range - Lower Bound				
Upper Bound				
GBM906-1				
Target Range - Lower Bound				
Upper Bound				
GPP-14				
GPP-14				
GPP-14				
Target Range - Lower Bound				
Upper Bound				

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81
	Analyte	Al2O3	As	CaO	Co	Cr	Cu	Fe	Fe2O3	K	MgO	MnO	Ni	Pb	S	SiO2
	Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
	LOD	0.01	0.01	0.05	0.002	0.01	0.002	0.05	0.05	0.1	0.01	0.01	0.002	0.01	0.01	0.2
STANDARDS																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b		6.59	2.44	3.36	<0.002	<0.01	3.00	8.15	11.65	0.2	0.05	0.07	<0.002	2.09	13.45	36.2
Target Range - Lower Bound		6.08	2.13	3.16	<0.002	<0.01	2.91	7.57	10.85	<0.1	0.02	0.04	<0.002	1.93	12.80	33.2
Upper Bound		7.02	2.47	3.75	0.004	0.02	3.22	8.81	12.60	0.4	0.06	0.08	0.005	2.25	14.75	38.6
MRGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 146																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS-218																
Target Range - Lower Bound																
Upper Bound																
OREAS-45h																
OREAS-45h																
OREAS-45h																
Target Range - Lower Bound																
Upper Bound																
OREAS-76b		4.82	0.15	4.28	0.110	0.07	0.232	21.6	30.9	0.5	9.63	0.10	7.87	0.01	14.95	30.2
OREAS-76b		4.85	0.15	4.52	0.113	0.07	0.239	21.9	31.3	0.5	9.64	0.10	7.96	<0.01	15.05	31.6
Target Range - Lower Bound		4.45	0.12	3.98	0.104	0.04	0.213	20.5	29.4	<0.1	9.01	0.08	7.28	<0.01	14.10	27.7
Upper Bound		5.15	0.16	4.69	0.119	0.08	0.240	23.7	33.9	0.2	10.40	0.12	8.05	0.02	16.25	32.3
OxJ95																
Target Range - Lower Bound																
Upper Bound																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 TiO2 % 0.01	ME-ICP81 Zn % 0.002	PGM-ICP23 Au ppm 0.001	PGM-ICP23 Pt ppm 0.005	PGM-ICP23 Pd ppm 0.001	Ag-AA45 Ag ppm 0.2	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05
STANDARDS																
GS310-10																
Target Range - Lower Bound																
Upper Bound																
MA-1b																
Target Range - Lower Bound																
Upper Bound																
MP-1b		0.13	16.30													
Target Range - Lower Bound		0.10	15.50													
Upper Bound		0.15	17.85													
MRGeo08							4.6									
Target Range - Lower Bound							3.9									
Upper Bound							5.0									
OREAS 146								>10000	4970	200	0.56	232	85.6	128.0	27.0	339
Target Range - Lower Bound								11450	4220	160	0.47	202	78.3	114.5	26.2	323
Upper Bound								>10000	5160	220	0.59	246	95.7	139.5	32.2	395
OREAS 684				0.252	3.84	1.720										
Target Range - Lower Bound				0.232	3.63	1.615										
Upper Bound				0.264	4.11	1.825										
OREAS-218				0.537	0.014	0.016										
Target Range - Lower Bound																
Upper Bound																
OREAS-45h				0.040	0.083	0.126										
OREAS-45h				0.041	0.087	0.127										
OREAS-45h				0.041	0.085	0.130										
Target Range - Lower Bound				0.038	0.076	0.119										
Upper Bound				0.044	0.098	0.137										
OREAS-76b		0.17	0.016													
OREAS-76b		0.18	0.018													
Target Range - Lower Bound		0.15	0.013													
Upper Bound		0.20	0.021													
OxJ95				2.36	<0.005	0.001										
Target Range - Lower Bound				2.20	<0.005	<0.001										
Upper Bound				2.48	0.010	0.002										

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description / Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	Hf	Ho	La	Lu	Nb	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD	0.2	0.01	0.1	0.01	0.2	0.1	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05	0.01
STANDARDS															
GS310-10															
Target Range - Lower Bound															
Upper Bound															
MA-1b															
Target Range - Lower Bound															
Upper Bound															
MP-1b															
Target Range - Lower Bound															
Upper Bound															
MRGeo08															
Target Range - Lower Bound															
Upper Bound															
OREAS 146	4.3	36.8	2610	6.50	389	2250	576	26.9	455	45	3260	4.2	44.7	952	10.25
Target Range - Lower Bound	3.6	33.1	2260	5.66	349	1965	493	23.7	397	40	2790	3.6	42.5	813	8.90
Upper Bound	4.8	40.5	2760	6.94	427	2400	603	29.5	485	52	3410	4.6	51.9	993	10.90
OREAS 684															
Target Range - Lower Bound															
Upper Bound															
OREAS-218															
Target Range - Lower Bound															
Upper Bound															
OREAS-45h															
OREAS-45h															
OREAS-45h															
Target Range - Lower Bound															
Upper Bound															
OREAS-76b															
OREAS-76b															
Target Range - Lower Bound															
Upper Bound															
OxJ95															
Target Range - Lower Bound															
Upper Bound															

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
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QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
Analyte	U	V	W	Y	Yb	Zr	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O	K2O	Cr2O3	TiO2
Units	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%	%	%	%
LOD	0.05	5	1	0.1	0.03	2	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01
STANDARDS															
GS310-10															
Target Range - Lower Bound															
Upper Bound															
MA-1b															
Target Range - Lower Bound															
Upper Bound															
MP-1b															
Target Range - Lower Bound															
Upper Bound															
MRGeo08															
Target Range - Lower Bound															
Upper Bound															
OREAS 146	2.80	169	28	954	53.5	226	20.0	3.05	28.4	17.35	7.04	0.33	1.31	0.027	1.44
Target Range - Lower Bound	2.37	140	25	814	48.1	204	19.50	2.82	27.5	16.75	6.59	0.26	1.19	0.017	1.35
Upper Bound	3.01	182	33	996	58.9	254	20.7	3.12	29.1	17.85	7.15	0.34	1.37	0.031	1.53
OREAS 684															
Target Range - Lower Bound															
Upper Bound															
OREAS-218															
Target Range - Lower Bound															
Upper Bound															
OREAS-45h															
OREAS-45h															
OREAS-45h															
Target Range - Lower Bound															
Upper Bound															
OREAS-76b															
OREAS-76b															
Target Range - Lower Bound															
Upper Bound															
OxJ95															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	S-IR08 S % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2
STANDARDS															
GS310-10						0.27									
Target Range - Lower Bound						0.25									
Upper Bound						0.29									
MA-1b						1.16									
Target Range - Lower Bound						1.12									
Upper Bound						1.22									
MP-1b															
Target Range - Lower Bound															
Upper Bound															
MRGeo08															
Target Range - Lower Bound															
Upper Bound															
OREAS 146	2.46	0.56	0.39	1.53											
Target Range - Lower Bound	2.30	0.49	0.33	1.39											
Upper Bound	2.56	0.59	0.41	1.59											
OREAS 684															
Target Range - Lower Bound															
Upper Bound															
OREAS-218															
Target Range - Lower Bound															
Upper Bound															
OREAS-45h															
OREAS-45h															
OREAS-45h															
Target Range - Lower Bound															
Upper Bound															
OREAS-76b															
OREAS-76b															
Target Range - Lower Bound															
Upper Bound															
OxJ95															
Target Range - Lower Bound															
Upper Bound															

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
		STANDARDS		
GS310-10				
Target Range - Lower Bound				
Upper Bound				
MA-1b				
Target Range - Lower Bound				
Upper Bound				
MP-1b				
Target Range - Lower Bound				
Upper Bound				
MRGeo08				
Target Range - Lower Bound				
Upper Bound				
OREAS 146				
Target Range - Lower Bound				
Upper Bound				
OREAS 684				
Target Range - Lower Bound				
Upper Bound				
OREAS-218				
Target Range - Lower Bound				
Upper Bound				
OREAS-45h				
OREAS-45h				
OREAS-45h				
Target Range - Lower Bound				
Upper Bound				
OREAS-76b				
OREAS-76b				
Target Range - Lower Bound				
Upper Bound				
OxJ95				
Target Range - Lower Bound				
Upper Bound				

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-ICP81 Al2O3 % 0.01	ME-ICP81 As % 0.01	ME-ICP81 CaO % 0.05	ME-ICP81 Co % 0.002	ME-ICP81 Cr % 0.01	ME-ICP81 Cu % 0.002	ME-ICP81 Fe % 0.05	ME-ICP81 Fe2O3 % 0.05	ME-ICP81 K % 0.1	ME-ICP81 MgO % 0.01	ME-ICP81 MnO % 0.01	ME-ICP81 Ni % 0.002	ME-ICP81 Pb % 0.01	ME-ICP81 S % 0.01	ME-ICP81 SiO2 % 0.2
STANDARDS																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
SU-1b		8.24	0.01	3.12	0.066	0.04	1.175	25.3	36.2	0.6	2.97	0.09	1.930	<0.01	14.10	34.0
SU-1b		8.03	<0.01	3.09	0.066	0.04	1.135	24.6	35.2	0.6	2.85	0.09	1.875	<0.01	13.90	34.0
Target Range - Lower Bound		7.55	<0.01	2.83	0.062	<0.01	1.125	23.7	33.9	0.4	2.75	0.07	1.855	<0.01	13.15	30.1
Upper Bound		8.70	0.02	3.36	0.073	0.05	1.245	27.4	39.1	0.8	3.19	0.11	2.05	0.03	15.15	35.1
SY-4																
Target Range - Lower Bound																
Upper Bound																
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		0.02	0.01	<0.07	<0.002	<0.01	0.024	<0.05	<0.07	<0.1	<0.02	<0.01	0.004	<0.01	0.02	<0.2
BLANK		0.01	0.01	<0.05	<0.002	<0.01	<0.002	<0.05	0.06	<0.1	0.01	<0.01	<0.002	<0.01	0.01	<0.2
BLANK		0.01	<0.01	<0.07	<0.002	<0.01	<0.002	<0.05	0.06	<0.1	0.02	<0.01	<0.002	<0.01	<0.01	<0.2
Target Range - Lower Bound		<0.01	<0.01	<0.05	<0.002	<0.01	<0.002	<0.05	<0.05	<0.1	<0.01	<0.01	<0.002	<0.01	<0.01	<0.2
Upper Bound		0.02	0.02	0.11	0.004	0.02	0.004	0.10	0.10	0.2	0.02	0.02	0.004	0.02	0.02	0.6
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA45	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	TiO2	Zn	Au	Pt	Pd	Ag	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd
Units	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD	0.01	0.002	0.001	0.005	0.001	0.2	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05
STANDARDS															
PK2			4.98	4.85	6.07										
Target Range - Lower Bound			4.50	4.46	5.56										
Upper Bound			5.07	5.04	6.27										
PMP-18			0.295	<0.005	<0.001										
PMP-18			0.306	<0.005	0.001										
PMP-18			0.302	<0.005	0.001										
Target Range - Lower Bound			0.289	<0.005	<0.001										
Upper Bound			0.327	0.010	0.002										
SU-1b	0.39	0.025													
SU-1b	0.37	0.025													
Target Range - Lower Bound	0.33	0.022													
Upper Bound	0.41	0.032													
SY-4							344	130.5	10	1.54	19.45	14.80	1.99	37.8	14.30
Target Range - Lower Bound							306	109.5	<10	1.34	16.35	12.75	1.77	31.4	12.55
Upper Bound							375	134.5	30	1.66	20.1	15.65	2.23	38.6	15.45
BLANKS															
BLANK						<0.2									
Target Range - Lower Bound						<0.2									
Upper Bound						0.4									
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<0.01	<0.002													
BLANK	<0.01	<0.002													
BLANK	0.01	<0.002													
Target Range - Lower Bound	<0.01	<0.002													
Upper Bound	0.02	0.004													
BLANK							<0.5	<0.1	<10	0.01	<0.05	0.04	<0.03	0.1	0.07
Target Range - Lower Bound							<0.5	<0.1	<10	<0.01	<0.05	<0.03	<0.03	<0.1	<0.05
Upper Bound							1.0	0.2	20	0.02	0.10	0.06	0.06	0.2	0.10
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK			<0.001	<0.005	<0.001										
BLANK			0.002	<0.005	<0.001										
BLANK			0.004	<0.005	<0.001										

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01
STANDARDS																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
SU-1b																
SU-1b																
Target Range - Lower Bound																
Upper Bound																
SY-4		12.3	4.57	61.1	2.24	13.2	59.9	15.60	55.2	13.35	8	1265	0.9	2.66	1.21	2.31
Target Range - Lower Bound		9.8	3.86	52.1	1.88	11.5	51.2	13.45	49.3	11.40	6	1070	0.7	2.33	1.11	2.06
Upper Bound		12.4	4.74	63.9	2.32	14.5	62.8	16.55	60.7	14.00	10	1310	1.1	2.87	1.47	2.54
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.2	0.01	0.1	0.03	<0.2	<0.1	<0.03	<0.2	0.06	<1	<0.1	0.1	0.01	<0.05	0.02
Target Range - Lower Bound		<0.2	<0.01	<0.1	<0.01	<0.2	<0.1	<0.03	<0.2	<0.03	<1	<0.1	<0.1	<0.01	<0.05	<0.01
Upper Bound		0.4	0.02	0.2	0.02	0.4	0.2	0.06	0.4	0.06	2	0.2	0.2	0.02	0.10	0.02
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description / Method / Analyte / Units / LOD	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01
STANDARDS															
PK2															
Target Range - Lower Bound															
Upper Bound															
PMP-18															
PMP-18															
PMP-18															
Target Range - Lower Bound															
Upper Bound															
SU-1b															
SU-1b															
Target Range - Lower Bound															
Upper Bound															
SY-4	0.86	8	<1	123.0	15.60	618	49.7	20.8	6.20	7.93	0.52	7.32	1.68	0.002	0.29
Target Range - Lower Bound	0.66	<5	<1	107.0	13.30	523	48.7	20.1	5.95	7.74	0.49	6.81	1.56	<0.002	0.25
Upper Bound	0.94	18	3	131.0	16.30	643	51.1	21.3	6.47	8.36	0.59	7.39	1.76	0.005	0.32
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
BLANK															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK	<0.05	6	<1	<0.1	0.05	<2	<0.01	0.01	<0.01	<0.01	<0.01	0.01	0.01	<0.002	<0.01
Target Range - Lower Bound	<0.05	<5	<1	<0.1	<0.03	<2	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01
Upper Bound	0.10	10	2	0.2	0.06	4	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.004	0.02
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
BLANK															
BLANK															

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To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	S-IR08 S % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2
STANDARDS																
PK2																
Target Range - Lower Bound																
Upper Bound																
PMP-18																
PMP-18																
PMP-18																
Target Range - Lower Bound																
Upper Bound																
SU-1b																
SU-1b																
Target Range - Lower Bound																
Upper Bound																
SY-4		0.11	0.13	0.15	0.04											
Target Range - Lower Bound		0.08	0.10	0.11	<0.01											
Upper Bound		0.13	0.16	0.17	0.06											
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK								<0.5	<5	<0.5	<1	<1	<10	<1	<1	<2
Target Range - Lower Bound								<0.5	<5	<0.5	<1	<1		<1	<1	<2
Upper Bound								1.0	10	1.0	2	2		2	2	4
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<0.01	<0.01	<0.01	<0.01											
Target Range - Lower Bound		<0.01	<0.01	<0.01	<0.01											
Upper Bound		0.02	0.02	0.02	0.02											
BLANK						0.01										
Target Range - Lower Bound						<0.01										
Upper Bound						0.02										
BLANK																
BLANK																
BLANK																

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method Analyte Units LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
STANDARDS				
PK2				
Target Range - Lower Bound				
Upper Bound				
PMP-18				
PMP-18				
PMP-18				
Target Range - Lower Bound				
Upper Bound				
SU-1b				
SU-1b				
Target Range - Lower Bound				
Upper Bound				
SY-4				
Target Range - Lower Bound				
Upper Bound				
BLANKS				
BLANK				
Target Range - Lower Bound				
Upper Bound				
BLANK		<1	<10	<2
Target Range - Lower Bound				<2
Upper Bound				4
BLANK				
BLANK				
BLANK				
Target Range - Lower Bound				
Upper Bound				
BLANK				
Target Range - Lower Bound				
Upper Bound				
BLANK				
Target Range - Lower Bound				
Upper Bound				
BLANK				
BLANK				
BLANK				

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81
Method / Analyte	Al2O3	As	CaO	Co	Cr	Cu	Fe	Fe2O3	K	MgO	MnO	Ni	Pb	S	SiO2
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
LOD	0.01	0.01	0.05	0.002	0.01	0.002	0.05	0.05	0.1	0.01	0.01	0.002	0.01	0.01	0.2
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
Target Range - Lower Bound															
Upper Bound															
DUPLICATES															
A0275007															
DUP															
Target Range - Lower Bound															
Upper Bound															
A0275019	9.63	<0.01	0.69	0.008	<0.01	0.261	9.46	13.50	0.3	0.05	0.01	0.231	<0.01	1.95	65.3
DUP	10.05	<0.01	0.80	0.009	<0.01	0.274	9.80	14.00	0.3	0.06	0.01	0.244	<0.01	2.03	68.2
Target Range - Lower Bound	9.46	<0.01	0.67	0.006	<0.01	0.259	9.22	13.20	0.2	0.04	<0.01	0.230	<0.01	1.91	64.0
Upper Bound	10.20	0.02	0.82	0.011	0.02	0.276	10.05	14.30	0.4	0.07	0.02	0.245	0.02	2.07	69.5
A0275038															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	7.13	<0.01	5.23	0.011	0.03	0.094	19.45	27.8	1.9	7.66	0.18	0.023	<0.01	3.46	42.1
DUP	7.12	<0.01	5.33	0.010	0.03	0.094	19.45	27.8	2.0	7.74	0.18	0.023	<0.01	3.46	42.1
Target Range - Lower Bound	6.85	<0.01	5.03	0.008	0.02	0.090	18.65	26.7	1.8	7.40	0.16	0.020	<0.01	3.32	40.3
Upper Bound	7.40	0.02	5.53	0.013	0.04	0.098	20.2	28.9	2.1	8.00	0.20	0.026	0.02	3.60	43.9
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA45	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	TiO2	Zn	Au	Pt	Pd	Ag	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd
Units	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD	0.01	0.002	0.001	0.005	0.001	0.2	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05
BLANKS															
BLANK			0.001	<0.005	<0.001										
Target Range - Lower Bound			<0.001	<0.005	<0.001										
Upper Bound			0.002	0.010	0.002										
BLANK															
Target Range - Lower Bound															
Upper Bound															
DUPLICATES															
A0275007						1.5									
DUP						1.6									
Target Range - Lower Bound						1.3									
Upper Bound						1.8									
A0275019	0.14	<0.002													
DUP	0.15	0.005													
Target Range - Lower Bound	0.13	<0.002													
Upper Bound	0.16	0.004													
A0275038							34.5	9.8	1470	0.81	1.64	1.00	0.56	11.3	1.86
DUP							35.0	9.9	1500	0.80	1.61	0.99	0.53	11.6	1.63
Target Range - Lower Bound							32.5	9.3	1400	0.75	1.49	0.92	0.49	10.8	1.61
Upper Bound							37.0	10.4	1570	0.86	1.76	1.07	0.60	12.1	1.88
ORIGINAL	1.32	0.023													
DUP	1.34	0.024													
Target Range - Lower Bound	1.27	0.021													
Upper Bound	1.39	0.026													
ORIGINAL			0.001	0.019	0.104										
DUP			0.005	0.018	0.106										
Target Range - Lower Bound			0.002	0.013	0.099										
Upper Bound			0.004	0.024	0.111										
ORIGINAL			0.015	<0.005	0.024										
DUP			0.014	0.007	0.022										
Target Range - Lower Bound			0.013	<0.005	0.021										
Upper Bound			0.016	0.010	0.025										

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To: TRANSITION METALS CORP.
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description / Method / Analyte / Units / LOD	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01
BLANKS															
BLANK															
Target Range - Lower Bound															
Upper Bound															
BLANK															
Target Range - Lower Bound															
Upper Bound															
DUPLICATES															
A0275007															
DUP															
Target Range - Lower Bound															
Upper Bound															
A0275019															
DUP															
Target Range - Lower Bound															
Upper Bound															
A0275038	1.2	0.31	3.8	0.13	2.3	6.1	1.32	6.4	1.48	1	70.9	0.2	0.26	0.30	0.12
DUP	1.2	0.31	4.1	0.11	2.3	6.1	1.35	6.4	1.50	1	71.6	0.2	0.23	0.30	0.10
Target Range - Lower Bound	0.9	0.28	3.7	0.10	2.0	5.7	1.24	5.9	1.39	<1	67.6	<0.1	0.22	0.24	0.09
Upper Bound	1.5	0.34	4.2	0.14	2.6	6.5	1.43	6.9	1.59	2	74.9	0.3	0.27	0.37	0.13
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
A0275007																
DUP																
Target Range - Lower Bound																
Upper Bound																
A0275019																
DUP																
Target Range - Lower Bound																
Upper Bound																
A0275038		0.12	174	4	8.8	0.94	45	42.7	9.92	18.05	6.01	18.15	0.86	0.19	0.196	0.74
DUP		0.11	174	4	9.0	0.95	43	42.6	9.92	18.15	6.00	18.15	0.86	0.19	0.197	0.74
Target Range - Lower Bound		0.06	160	3	8.4	0.87	40	41.6	9.66	17.65	5.84	17.70	0.83	0.18	0.190	0.71
Upper Bound		0.17	188	5	9.4	1.02	48	43.7	10.20	18.55	6.17	18.60	0.89	0.20	0.203	0.77
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	S-IR08 S % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK							0.01									
Target Range - Lower Bound							<0.01									
Upper Bound							0.02									
DUPLICATES																
A0275007																
DUP																
Target Range - Lower Bound																
Upper Bound																
A0275019																
DUP																
Target Range - Lower Bound																
Upper Bound																
A0275038		0.25	0.10	0.01	<0.01											
DUP		0.25	0.09	0.01	<0.01											
Target Range - Lower Bound		0.23	0.08	<0.01	<0.01											
Upper Bound		0.27	0.11	0.02	0.02											
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
BLANKS				
BLANK				
Target Range - Lower Bound				
Upper Bound				
BLANK				
Target Range - Lower Bound				
Upper Bound				
DUPLICATES				
A0275007				
DUP				
Target Range - Lower Bound				
Upper Bound				
A0275019				
DUP				
Target Range - Lower Bound				
Upper Bound				
A0275038				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				

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410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description / Method	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81	ME-ICP81
Analyte	Al2O3	As	CaO	Co	Cr	Cu	Fe	Fe2O3	K	MgO	MnO	Ni	Pb	S	SiO2
Units	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
LOD	0.01	0.01	0.05	0.002	0.01	0.002	0.05	0.05	0.1	0.01	0.01	0.002	0.01	0.01	0.2
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	3.85	0.01	2.53	0.165	0.03	6.43	18.80	26.9	0.1	10.65	0.05	3.57	0.01	18.75	30.7
DUP	3.76	0.01	2.46	0.164	0.03	6.31	18.45	26.4	0.1	10.45	0.05	3.51	0.01	18.45	30.2
Target Range - Lower Bound	3.65	<0.01	2.35	0.158	0.02	6.21	17.90	25.6	<0.1	10.15	0.04	3.45	<0.01	17.90	29.1
Upper Bound	3.96	0.02	2.64	0.171	0.04	6.53	19.35	27.7	0.2	10.95	0.06	3.63	0.02	19.30	31.8
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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ALS Canada Ltd.

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www.alsglobal.com/geochemistry

To: **TRANSITION METALS CORP.**
410 FALCONBRIDGE ROAD
UNIT 5
SUDBURY ON P3A 4S4

Finalized Date: 23-JUN-2019
Account: TRAMET

Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description / Method	ME-ICP81	ME-ICP81	PGM-ICP23	PGM-ICP23	PGM-ICP23	Ag-AA45	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
Analyte	TiO2	Zn	Au	Pt	Pd	Ag	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd
Units	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD	0.01	0.002	0.001	0.005	0.001	0.2	0.5	0.1	10	0.01	0.05	0.03	0.03	0.1	0.05
DUPLICATES															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL	0.07	0.072													
DUP	0.07	0.059													
Target Range - Lower Bound	0.06	0.061													
Upper Bound	0.08	0.070													
ORIGINAL			<0.001	<0.005	<0.001										
DUP			<0.001	<0.005	<0.001										
Target Range - Lower Bound			<0.001	<0.005	<0.001										
Upper Bound			0.002	0.010	0.002										
ORIGINAL			0.001	<0.005	<0.001										
DUP			0.001	<0.005	<0.001										
Target Range - Lower Bound			<0.001	<0.005	<0.001										
Upper Bound			0.002	0.010	0.002										
ORIGINAL			0.029	<0.005	<0.001										
DUP			0.028	<0.005	0.001										
Target Range - Lower Bound			0.026	<0.005	<0.001										
Upper Bound			0.031	0.010	0.002										
ORIGINAL			0.001	<0.005	0.001										
DUP			0.001	<0.005	<0.001										
Target Range - Lower Bound			<0.001	<0.005	<0.001										
Upper Bound			0.002	0.010	0.002										
ORIGINAL			0.006	<0.005	<0.001										
DUP			0.006	<0.005	<0.001										
Target Range - Lower Bound			0.005	<0.005	<0.001										
Upper Bound			0.007	0.010	0.002										

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Project: PGEN

QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method / Analyte / Units / LOD	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
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Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method / Analyte / Units / LOD	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01	ME-ICP06 Fe2O3 % 0.01	ME-ICP06 CaO % 0.01	ME-ICP06 MgO % 0.01	ME-ICP06 Na2O % 0.01	ME-ICP06 K2O % 0.01	ME-ICP06 Cr2O3 % 0.002	ME-ICP06 TiO2 % 0.01
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
ORIGINAL																
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Target Range - Lower Bound																
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ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description / Method / Analyte / Units / LOD	ME-ICP06 MnO % 0.01	ME-ICP06 P2O5 % 0.01	ME-ICP06 SrO % 0.01	ME-ICP06 BaO % 0.01	OA-GRA05 LOI % 0.01	S-IR08 S % 0.01	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2
DUPLICATES															
ORIGINAL					2.05										
DUP					2.00										
Target Range - Lower Bound					1.96										
Upper Bound					2.09										
ORIGINAL							0.9	18	<0.5	19	649	20	22	23	36
DUP							1.3	26	<0.5	18	650	20	21	27	33
Target Range - Lower Bound							<0.5	16	<0.5	17	626	<10	19	23	31
Upper Bound							1.7	28	1.0	20	673	30	24	27	38
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															
ORIGINAL															
DUP															
Target Range - Lower Bound															
Upper Bound															

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QC CERTIFICATE OF ANALYSIS TB19136426

Sample Description	Method Analyte Units LOD	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2
		DUPLICATES		
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL		17	<10	70
DUP		17	<10	73
Target Range - Lower Bound		15	<10	66
Upper Bound		19	20	77
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				
ORIGINAL				
DUP				
Target Range - Lower Bound				
Upper Bound				

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QC CERTIFICATE OF ANALYSIS TB19136426

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Processed at ALS Thunder Bay located at 645 Norah Crescent, Thunder Bay, ON, Canada

Applies to Method:	CRU-31	CRU-QC	LOG-21	LOG-23
	PUL-31	PUL-QC	SPL-21	WEI-21

Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

Applies to Method:	Ag-AA45	ME-4ACD81	ME-ICP06	ME-ICP81
	ME-MS81	OA-GRA05	PGM-ICP23	S-IR08
	TOT-ICP06			

Geoscience North

Prepared for

Transition Metals Corp.

by

Geoscience North

(Alan King, P.Geo., M.Sc.)

June 2019

Table of Contents

List of Figures

1 Summary

How about a 1 paragraph summary not just a copy of the full summary from the end of the doc?

2 Introduction

The Maude Lake property is situated approximately 6 km north of the town of Schreiber, Ontario and 210 km east of Thunder Bay, Ontario.

The property has been explored for Fe, Ni, Au, Cu, PGEs since the 1930s (Minnova, 1991).

There have been various geophysical surveys, geological mapping, trenching and drilling work done on the property, as well as regional mapping, geophysical surveys and geochemical surveys in the area by the provincial and federal governments.

The provincial government has mapped the area several times (Bartley, 1938, OGS, 1966, Carter 1988, Williams et al, 1991, Easton, 2000) and the area was the object of a provincial government initiative to encourage exploration (Operation Treasure Hunt, 1999 and on) (Novawest 2004).

Significant previous geological and geophysical exploration work is summarized below.

Table 1. Exploration history.

Company	Date	Work	Results
UNKNOWN INDIVIDUALS	early 1930's	Trenching of Iron Formation (SLH) and Gossanous zones in northern and southern mafic flows. Surface sampling- diamond drilling of 3 holes in Gabbro on Nicopor Cu-Ni occurrence.	Unknown
COMINCO	1930-1936	Surface sampling -l- diamond drilling of 3 holes in Gabbro on Nicopor Cu-Ni occurrence.	Surface sampling outlined a vein/dyke of massive sulphide 300 feet long and 3 feet wide, consisting of nickeliferous pyrrhotite, chalcopyrite and pyrite at the granite-gabbro contact, the vein strikes northeast and dips vertical. Nicopor Mines limited was formed -1937.
COOK LAKE GOLD MINES LIMITED	1934	Cook Lake Gold Mines Ltd. Options property from Nicopor and does ground magnetometer survey to trace orebody extension.	No record of results.
FALCONBRIDGE NICKEL MINES LIMITED	1949-1951	Options property from Donald Campbell of Schreiber, carries out ground magnetometer	Prepares geological maps at l”:200”. Locates numerous small stringers of sulphide

		survey and detailed geological survey.	mineralization along minor shear planes. Describe zone as 250ft. x 10ft. with pentlandite, chalcopyrite, pyrrhotite and pyrite.
Zenmac	1969	Detailed mag survey, drills 8 holes (642 m)	intersect mineralization at depth
NICOPOR MINES LIMITED	1970	Drills 9 DH's for total length of 4040 feet just east of main showing.	Encounters nickel - copper mineralization.
NOREX VMS property just to the south of Nicopor	1982-1987	28 claims staked. Work in the volcanic units to the south of Nicopar for VMS targets in1983 included limited geology and geophysics including magnetometer, Max Min Horizontal loop and limited PEM surveys. 1984-85 Diamond drilling (VL-1-5). Downhole PEM. Diamond drilling (VL-6 to VL-9). Down hole pulse and a magnetometer survey.	Delineation of major Iron Formations and geophysical anomalies associated with them. Testing of Iron Formations and Magnetic anomalies yielded discouraging trace to nil base metal mineralization. Off hole Pulse anomaly in VL-4. VL-5 was designed to test the off hole PEM anomaly in VL-4. PEM of VL-5 picked up some off hole response as in VL-4 indicating the source is between the two holes. VL-6 to VL-9 were attempts to test the Victoria Lake Horizon across its entire strike length. VL-6 was was stopped short of the Victoria Lake Horizon. VL-7 intersected oxide facies iron formation with minor sulphides and poor metal values. VL-8 failed to intersect the horizon of interest and VL-9 intersected sediment/oxide facies iron formation and was not sampled. Down hole pulse failed to clearly indicate any off-hole conductors.
MINNOVA INC. VMS property just to the south of Nicopar	1990/1992	PEM surveyed over the entire central portion of the VMS property. Loops were 500 x 1000m and laid out to maximize coupling with the most favourable horizons (French Lake, Scooter Lake and Victoria Lake horizons) at a vertical depth of 400.	PEM fails to pick up any significant anomalies to the west but picks up 3 separate anomalies on west side associated with strong alteration and sulphide mineralization.

Novawest (Fowler Option/Nicopor prospect)	2001-2004	Field program and sampling. Commissioned Quantec to do BH and surface TEM. Drilled 11 diamond drill holes.	Confirmed high tenors of Ni, Cu and elevated PGEs. Identified 2 conductors from surface TEM and multiple small discrete bodies from BH TEM. Confirms Ni, Cu, PGE grades, expands lenses and suggests a magmatic origin.

Minnova 1991; Novawest 2004

The goal of this work is to compile the geophysical data available in the area, integrate it with available geological information, and complete a geophysical assessment and interpretation on the available data with the goal of identifying possible exploration targets, identifying useful next steps in exploration, and possibly informing the genetic model for the Ni-Cu-PGE occurrences.

3 Coordinate System

NAD83 Zone 16N.

4 Regional Geology and Location

(from Transition Metals, PRES-Maude-Lake.pdf)

As shown in Figure 1, the Maude Lake property is located in the southern limb of the Schreiber Greenstone Belt and straddles the boundary between the mafic/felsic volcanics to the south and the Crossman Lake pluton to the north. The Greenstone Belt is intruded by numerous Archean aged gabbroic-dioritic intrusions emplaced into the greenstone belt.

The property located 11 km north of well known Midcontinent rift-related Proterozoic lithologies.

Known deposits in the area include:

The Winston Lake Mine and Pick Lake Mines, both VMS type deposits that ceased production in 1998, are located about 10 km to the NNE. The current resource at Pick Lake is 1.46Mt @ 15% Zn and 0.84% Cu.

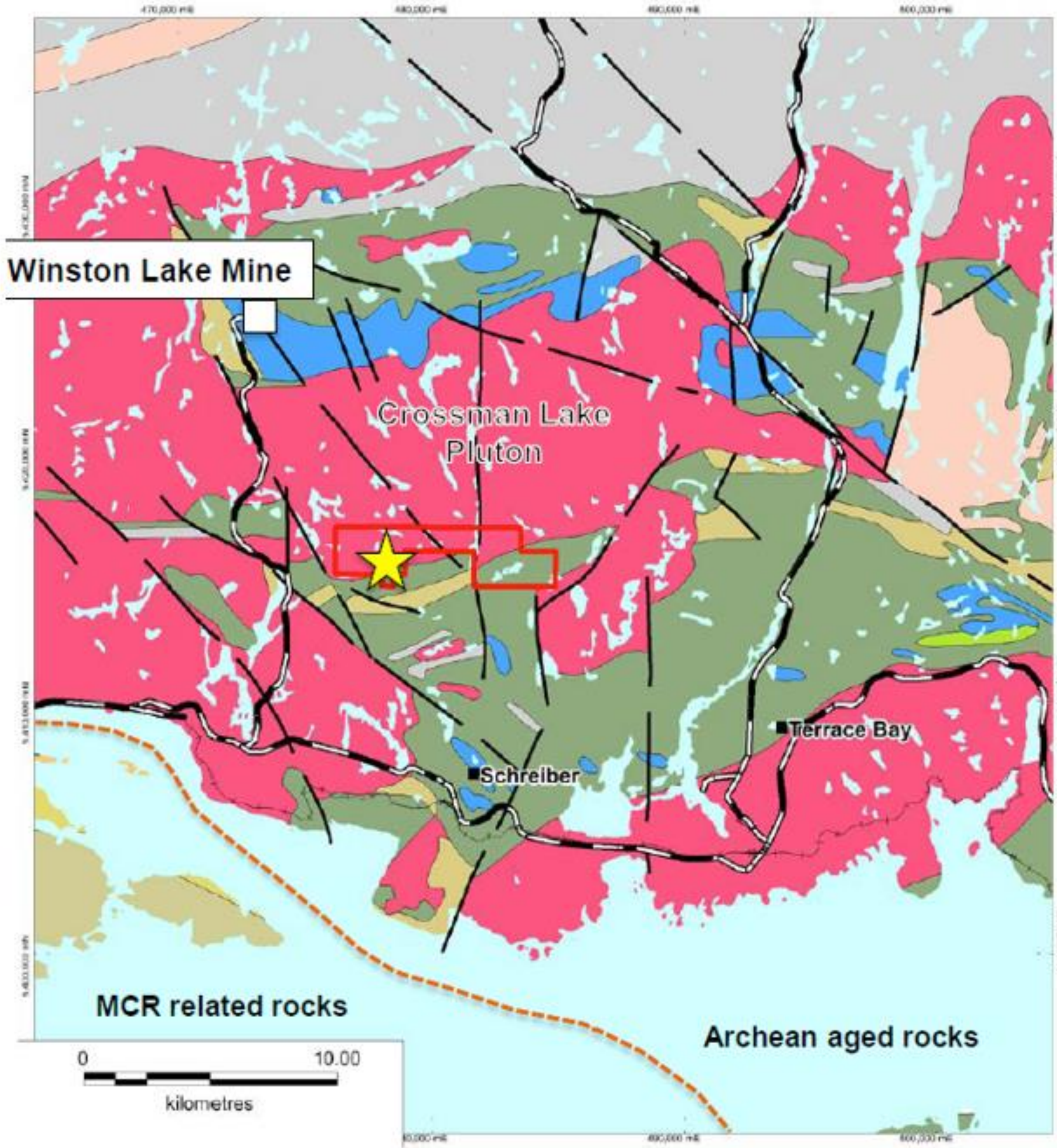

Figure 1. Maude Lake Property - Regional Geology.

Ni Cu mineralization occurs at a N-S oriented contact between Archean massive granodiorite to granite to the northwest and mafic to intermediate metavolcanics rocks to the southeast. The general property geology is summarized in the Minnova 1991 report which also includes detailed descriptions of each lithology.

The southern limb of the belt is a thick sequence of metavolcanic and metasedimentary units, possibly synclinally folded about an east plunging east-west axis. The metavolcanics dominate, forming three mafic to felsic cycles. A typical cycle is characterized by a thick sequence of pillowed to massive basalts grading upward into andesites and finally massive felsic flows. Metasedimentary units consist of greywacke, chert carbonate, argillite, arkose, and graphitic shale with interlayered pyrite and pyrrhotite. Well preserved primary sedimentary textures indicate that the volcanic-sedimentary sequence was deposited subaqueously.

All units have been metamorphosed to amphibolite grade of regional metamorphism. The metamorphic grade increases to upper amphibolite to the north. A strong east-west foliation and the development, (locally) of magmatic textures occurs dominantly in the northern parts of the belt.

Diorite and gabbro form small 'plug' like intrusions throughout the metavolcanic-metasedimentary sequence. All units are intruded by massive and porphyritic hornblende-biotite granite, granodiorite and syenite which underlie approximately much of the map area (Minnova 1991 report).

As part of their VMS exploration in the volcanic just to the south of the Nicopor showing, the Minnova report describes four zones of intense hydrothermal alteration at/near the contact between footwall mafic volcanics and overlying felsic tuffaceous units (Minnova, 1991).

Ni-Cu mineralization at the Nicopor showing occurs as massive sulphide bodies up to 70m long and 1-10 m wide as well as stringers and discrete lenses. It is made up of pyrite, pyrrhotite, chcalcopyite, pentlandite and magnetite (variable) (Novawest, 2004). Drilling showed south-dipping, lenticular bodies with from 6.0 % Ni and 2.1 % Cu near surface to 1% Ni and 0.3% Cu at depth in drilling.

Mineralization is located at the contact between a gabbro and the Crossman Lake Batholith granite. One hypothesis based on textural relationships is “that the Crossman Lake granite has intruded the gabbro at Nicopor, and that all units in the area are part of the Archean Wawa Subprovince. [Schau] thinks that the massive sulphide has been remobilized and injected into the granite during Archean amphibolite grade metamorphism, and that the sulphide was possibly derived from a differentiated gabbro body at depth”. (Novawest 2004).

Another hypothesis in that the mineralization is related to the Proterozoic (1120-1086 Ma) Mid-Continent Rift (MCR).

Based on drilling and core logging in 2004 Novawest provided the following description of the mineralization.

The identification of the sulphide mineralization being hosted within variably magnetic pyroxenite-gabbro at depth, along with earlier determination of phase layered gabbro-pyroxenite at surface is very significant.

Additionally, it has been the determined that the sulphides of importance have coalesced, or settled out, creating crystal lumps which resemble veinlets, in core. This texture suggests a (modified?) magmatic origin. This finding of magmatic sulphides in pyroxenite could indicate that larger more massive sulphide masses could occur in ultramafic/mafic bodies nearby. Novawest, 2004

These observations suggest mineralization could be related to a layered gabbro complex. Novawest's work suggests the mineralization is hosted in "variably magnetic pyroxentite-gabbros" (Novawest, 2004).

5 Property-scale Geology

(from Transition Metals, PRES-Maude-Lake.pdf)

As shown in Figure 2 the Nicopor deposit is hosted in a gabbro-diorite body within the Crossman Lake pluton and is interpreted as possibly representing an enclave within the granite. The sulphide zone on surface consists of semi-massive, net like veins mainly hosted by granite that has been brecciated by the introduced sulphides and occurs as xenoliths within them. Sulphides away from the main zone tend to be fine-grained, disseminated to blebby in nature.

Previous interpretations suggested that the granite is late and has intruded into a mineralized gabbroic intrusion. The heat associated with the granite has remobilized and reconstituted the sulphides into a thin massive sulphide zone at the contact (1-3 m) as well as into the granitic footwall. However more recent work in the area (Rio Tinto at Eagle and Tamarack and Panoramic at Thunder Bay North) has demonstrated the potential for Ni-Cu-PGE mineralization in smaller intrusions related to but outboard of the main MCR.

The Cu-Zn-Ag showing to the east is a 120 m by 180 m surface showing with the best value in channel sampling was 14.3 m @ 1.06% Cu.

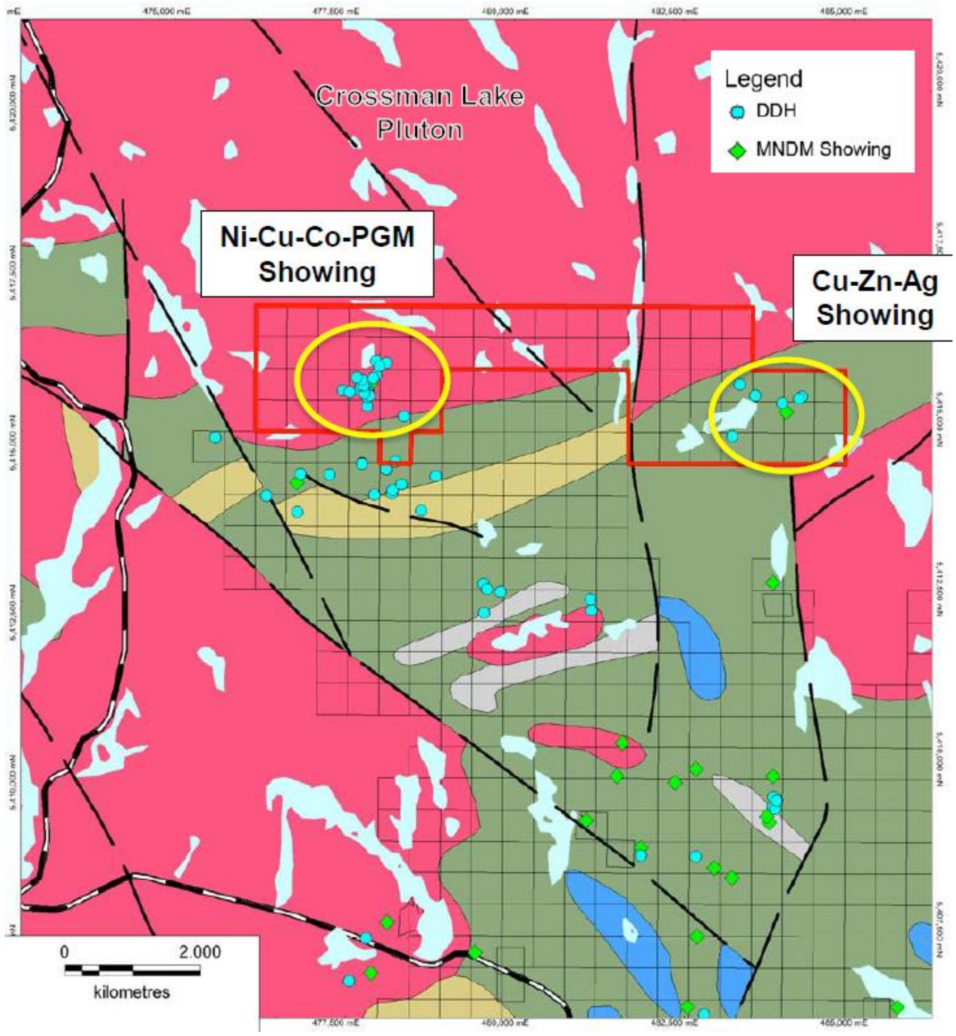

Figure 2. Maude Lake Property – Property scale geology.

6 Geophysics

6.1 Regional and Property Area Geophysics

Available regional and property area geophysical data includes regional gravity surveys available from the GSC and OGS (OGS GDS 1035) and a relatively recent large AEM Magnetic survey available from the OGS (GDS1104 – report 2003 flown 1999-2000) -- Schreiber (GDS1104) - OGS High-Sense Frequency Domain (FD) EM) and Magnetics (OGS 2003).

Regional gravity data is from the Canada wide regional ground gravity data set available from the OGS or GSC as a 2 km grid (ONGRAVTY_1035).

6.1.1 Regional Gravity

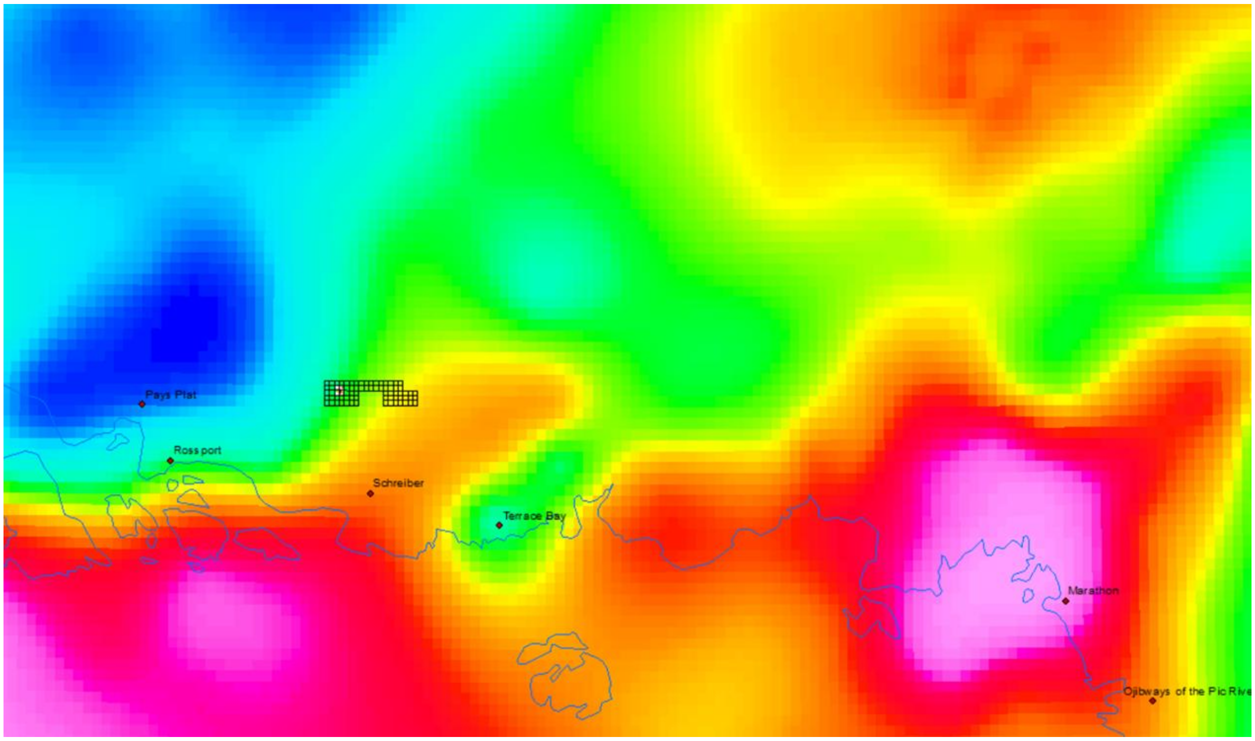

Figure 3. Regional gravity- Schreiber area.

The regional gravity data show a positive gravity response over the Township of Schreiber that extends in a northeast direction from Lake Superior. This gravity high, like the gravity high over the Coldwell complex to the east at Marathon, could be due to an offshoot of more dense mafic rocks from the large MCR related anomaly located over Lake Superior or could be related to higher density rocks of the Schreiber greenstone belt as shown in Figure 4, or it could it could be a combination of both effects.

To help understand the relationship between regional geology and the regional gravity the gravity data was inverted to large scale 3D density model using the Geosoft Voxi inversion software.

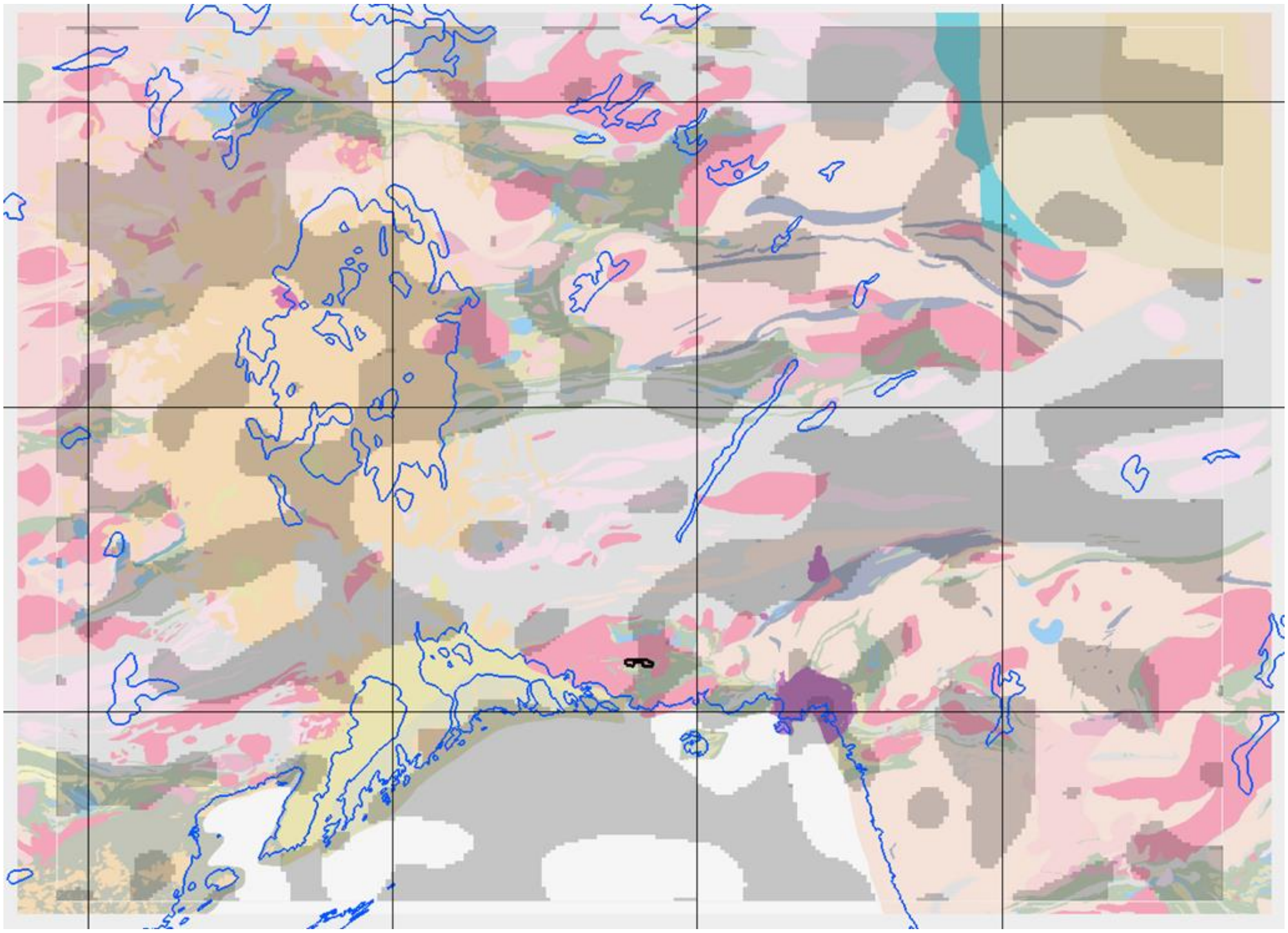

Figure 4. OGS Geology over Regional 3D Gravity Inversion shown in plan view with Maude lake claim block shown outlined in black.

As shown in Figure 4, the MCR and MCR related intrusions show large positive gravity anomalies, local greenstone belts are also characterized by higher densities, and the large regional batholiths have low density responses as expected. The Maude lake claims are located on the eastern flank of a gravity high which cross both granitic and greenstone rocks suggesting a possible MCR and/or greenstone rock sources. Small mafic/Ultramafic intrusion on the flanks of large rifts can be favorable locations for Ni-Cu-PGE magmatic mineralization (e.g. Eagle, Tamarack and Thunder Bay North deposits).

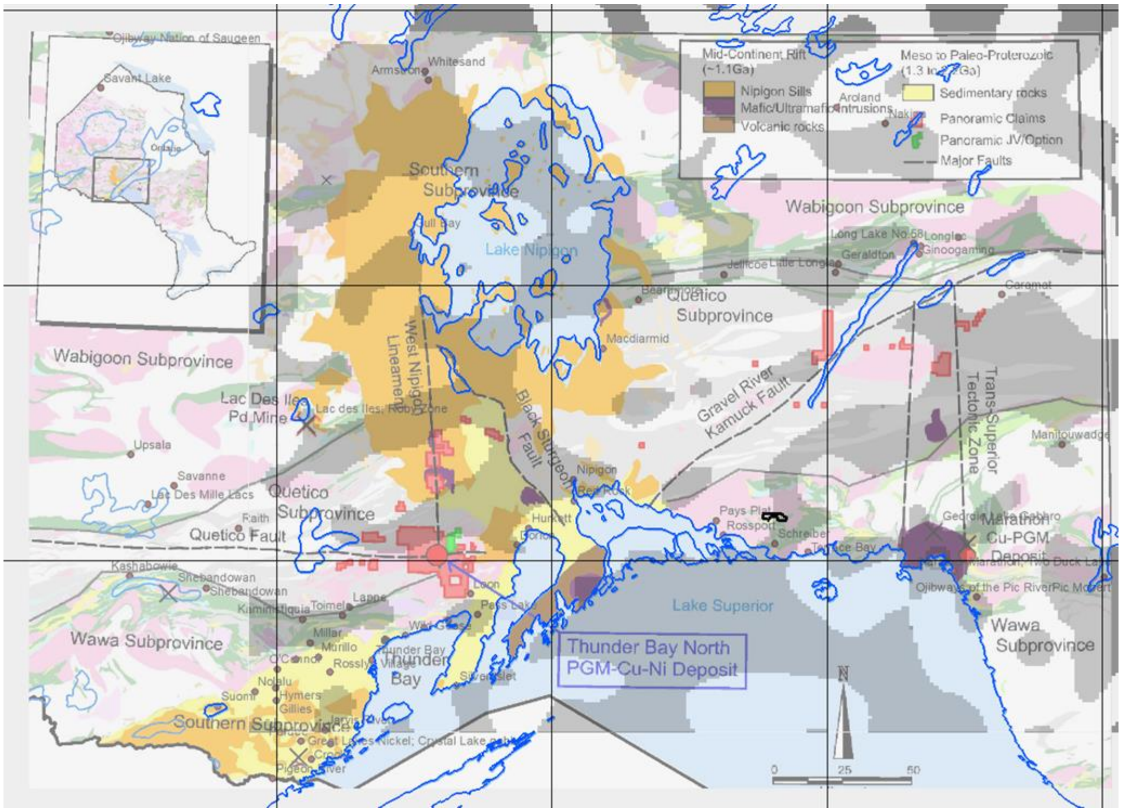

Figure 5. Thunder Bay North and Regional Geology over Regional Gravity Inversion.

Figure 5 shows regional geology and the location of the Thunder Bay North (TNB North) project and geology over the regional gravity Inversion results. Note that Maude Lake, TNB North, and the Marathon PGE deposit on the east side of the Coldwell complex are located on the flanks of gravity anomalies with possible connections to the MCR.

6.1.2 Regional OGS 2002 Frequency Domain (FD) AEM/mag Schreiber survey

6.1.2.1 <u>Schreiber survey Aeromagnetics</u>

Using the data from the Regional OGS 2002 Frequency Domain (FD) AEM/mag Schreiber survey, some significant features were noted at the regional scale in the Magnetic Total Magnetic Intensity (TMI), Analytic Signal (AS) and Tilt Derivative (TDR) products.

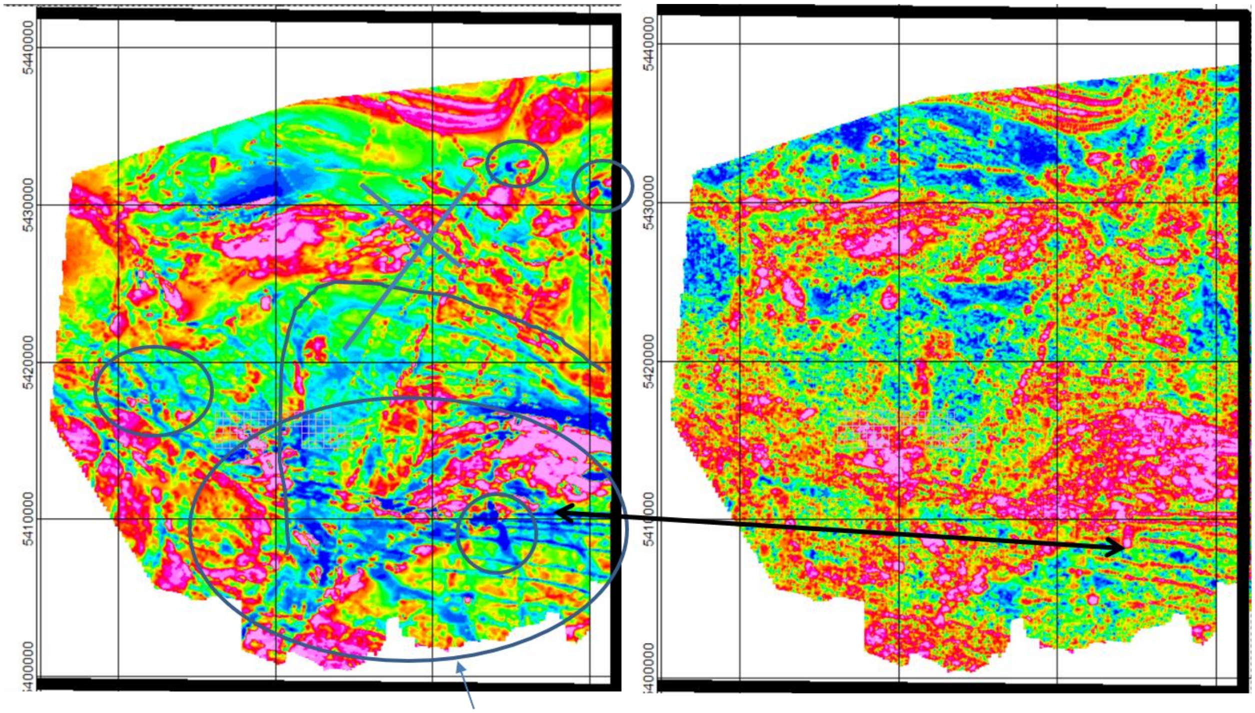

Figure 6. Left: Mag TMI. Right: Mag AS. Blue ellipse and lines indicate areas showing probable negative magnetic remanence. The large-scale negative polarity hyperbolic shape highlighted on the left is unusual and could represent subcrop of a large scale MCR related sill. Mag AS data captures the total amplitude of the magnetic field and both strongly induced and remamently magnetized areas will show up as positive (red to pink) values. Negative (blue) values in the TMI and positive (red) values in the AS over the same area are considered to indicators of negative magnetic remanence. The double headed arrow shows an area of strong E-W dykes with an MCR type signature. Maude Lake claims shown in light grey (Mag data from Schreiber Area OGS GDS 1104).

All known strong negative magnetic remanence in this area is associated with an early phase of the MCR event that is associated with most of the known Ni-Cu-PGE mineralization.

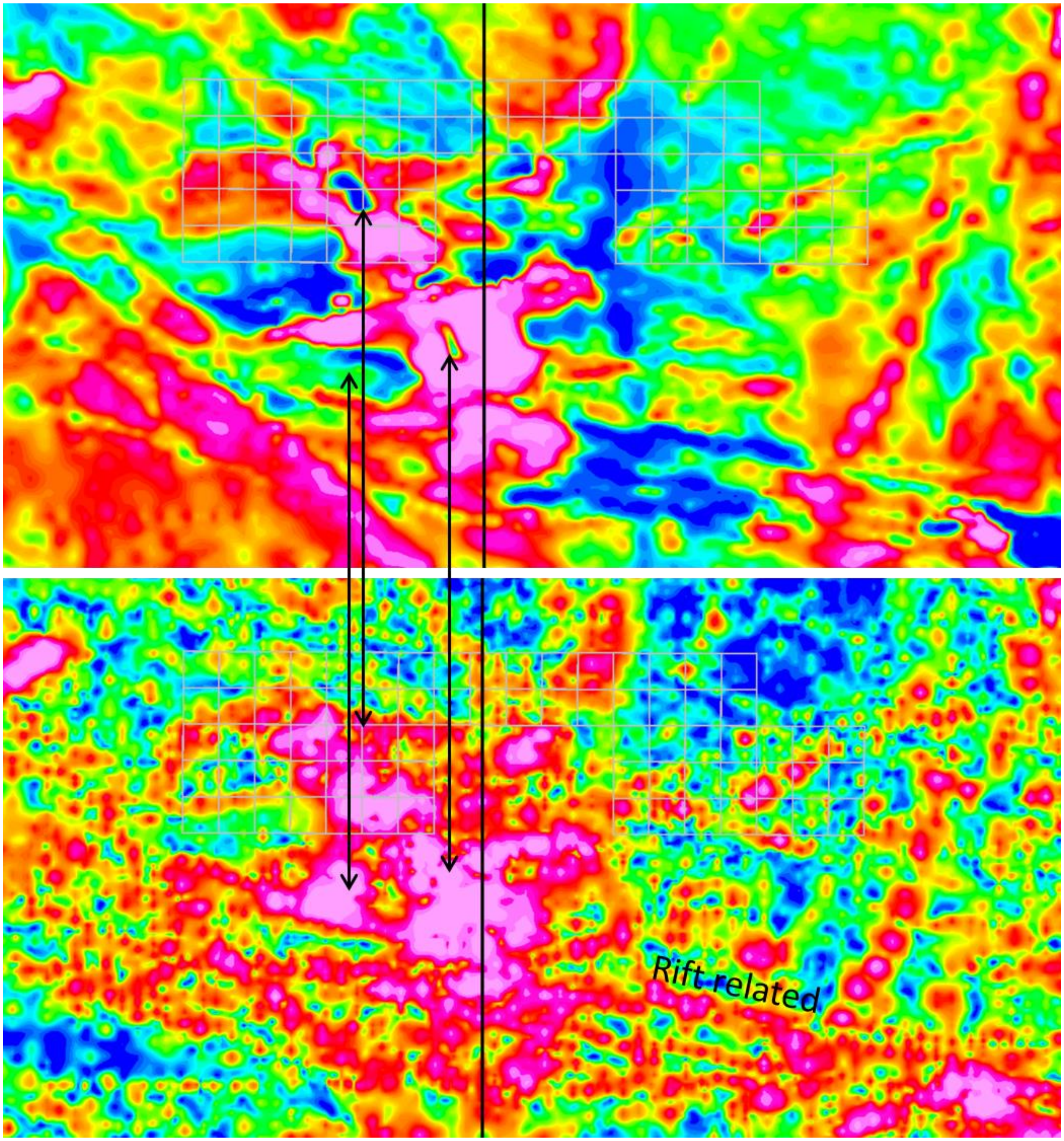

Figure 7. Top: Mag TMI. Bottom: Mag AS. Arrows indicate the same feature between the two images with negative TMI and positive Mag AS, and suggests that these anomalies may be due to MCR-rift related intrusions. Maude Lake claims shown in light grey.

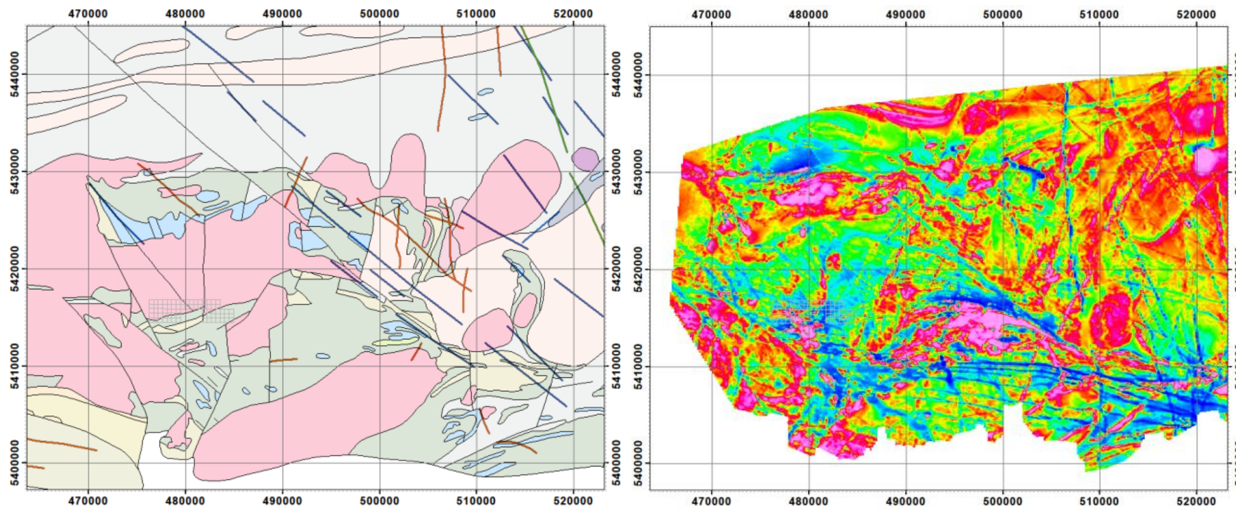

Figure 8. Mag TMI and OGS Geology. Note many unidentified dykes and structures in the Mag TMI image that don't appear on the geology map. At this scale there are no dates on the many of the mafic dykes in the OGS compilation.

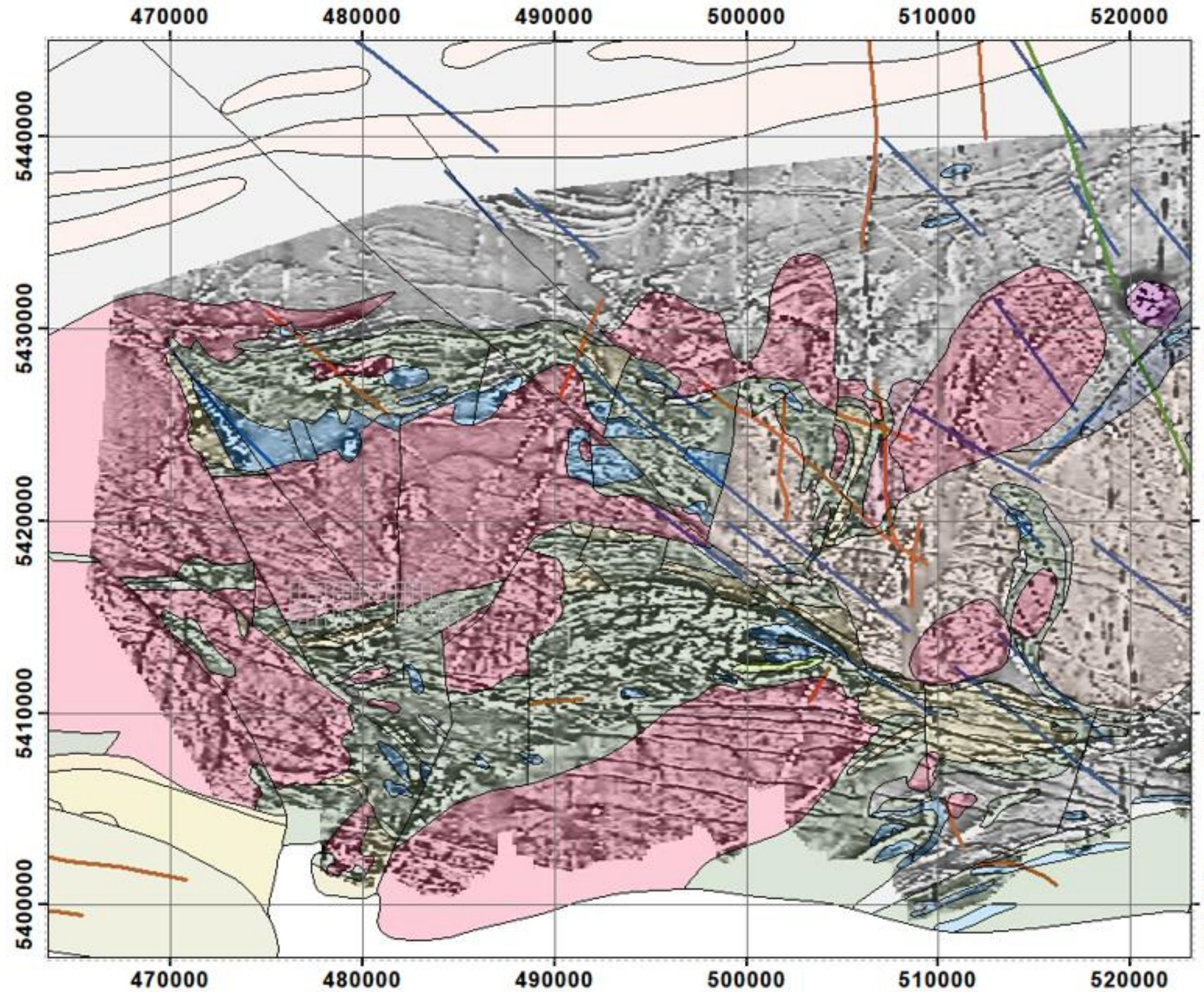

Figure 9. Regional OGS geology (transparent) overlaying Mag 1VD (First Vertical Derivative) grey scale data.

The Mag 1VD data shown in Figure 9 shows dramatic probable MCR related linear magnetic low (dark) features sub parallel to the shore of Lake Superior which extend to just south of the Maude Lake project area.

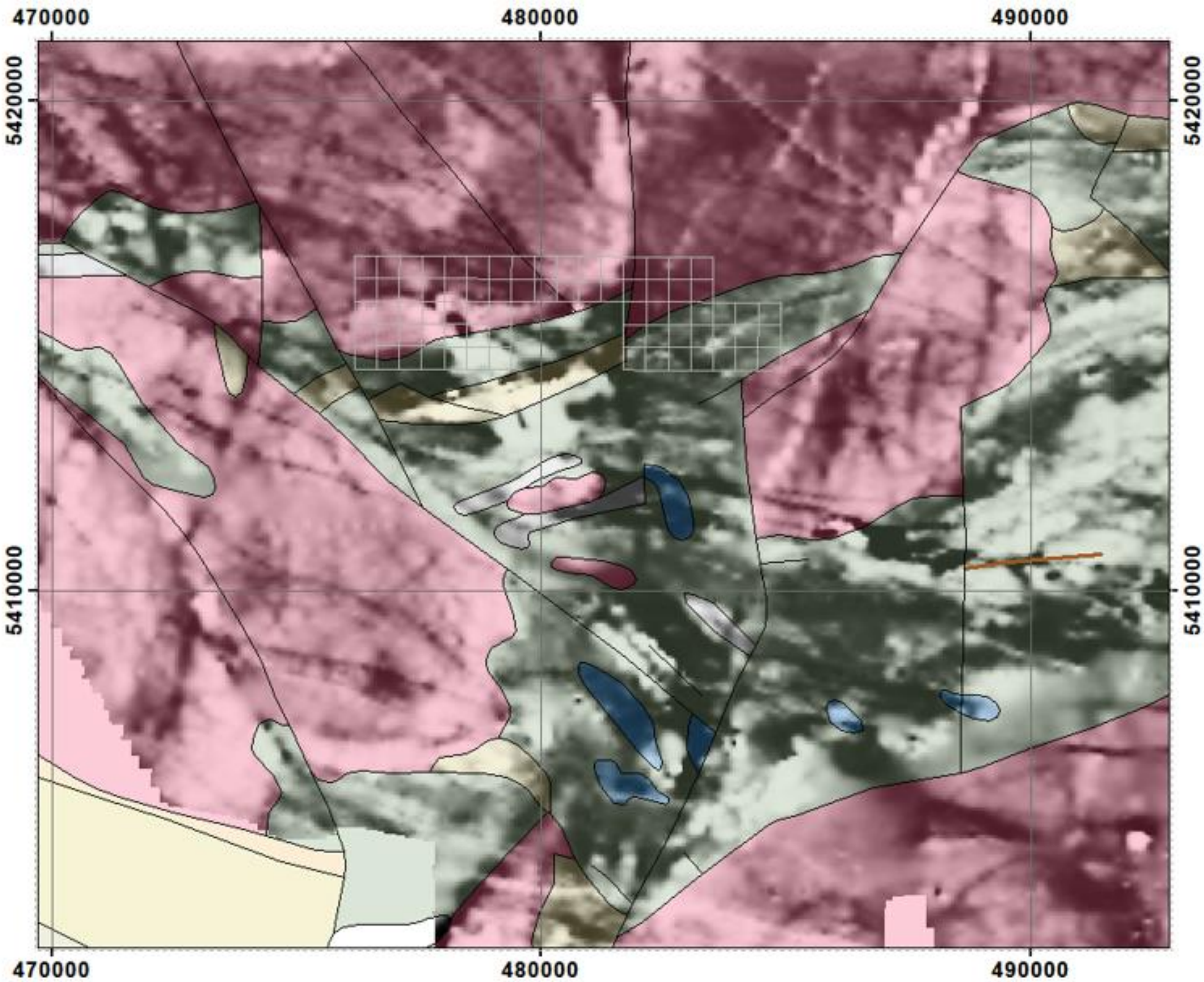

Figure 10. Property scale image showing regional OGS geology (transparent) over Mag TMI grey scale data.

On a property scale, Figure 10 shows many low mag (dark) areas with no corresponding mag highs (white areas). This is also a characteristic of negative magnetic remanence.

Geophysical and geologic data was imported to Geoscience Analyst software to assist in visualizing and interpreting the data in 3D. The image is Figure 11 shows Mag TMI draped on topography and highlights the probable MCR related structures and other structures which often have both a magnetic and topographic expression.

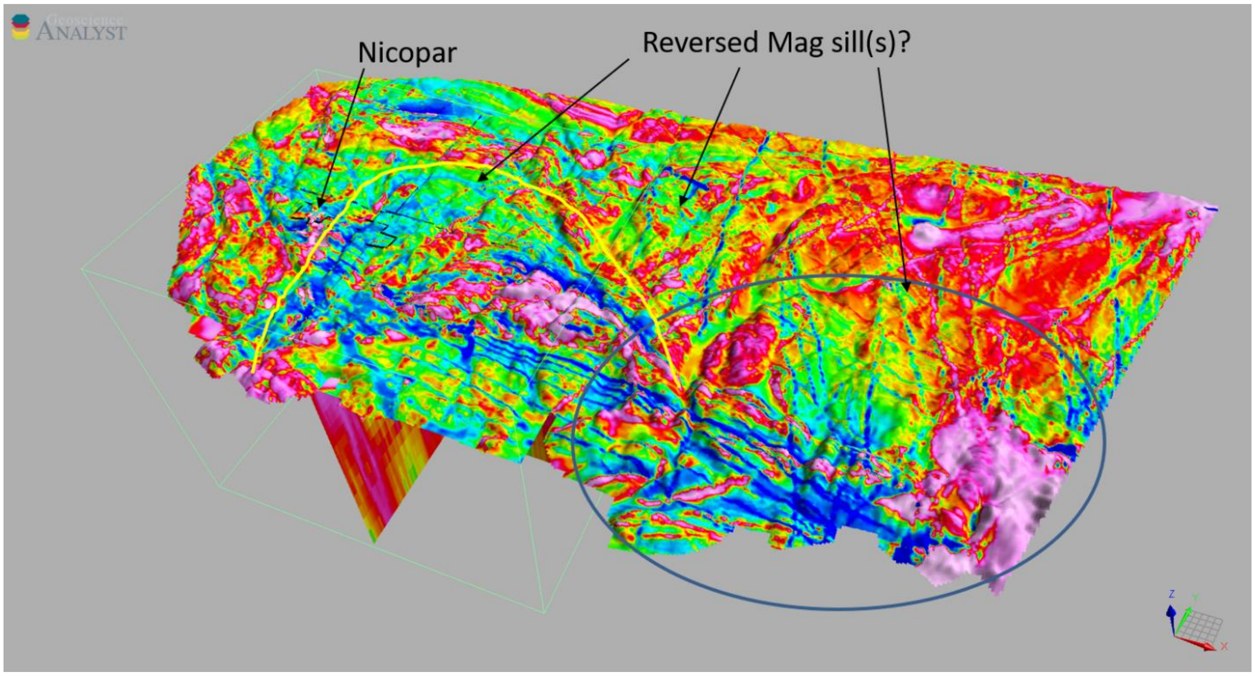

Figure 11. Figure from Geoscience Analyst software showing Mag TMI draped on topography (5x vertical exaggeration). The property outline is shown as well as the Nicopar showing. Arrows indicate possibly reversely magnetised sills. These may be MCR rift related and/or the Coldwell Intrusive Complex.

In this image the probable MCR related negative magnetic polarity (blue) linear features, extending west from the Coldwell Complex (pink mag high in the SE corner), sub- parallel to the shore of Lake Superior- (and the MCR) are very prominent. However as shown in the next figure (Figure 12) this generation of intrusive/dykes are not well represented in the detailed geology maps. This suggests that the MCR related mafic bodies may be recessive and under cover due to erosion/weathering and hence may be underrepresented in the geological mapping.

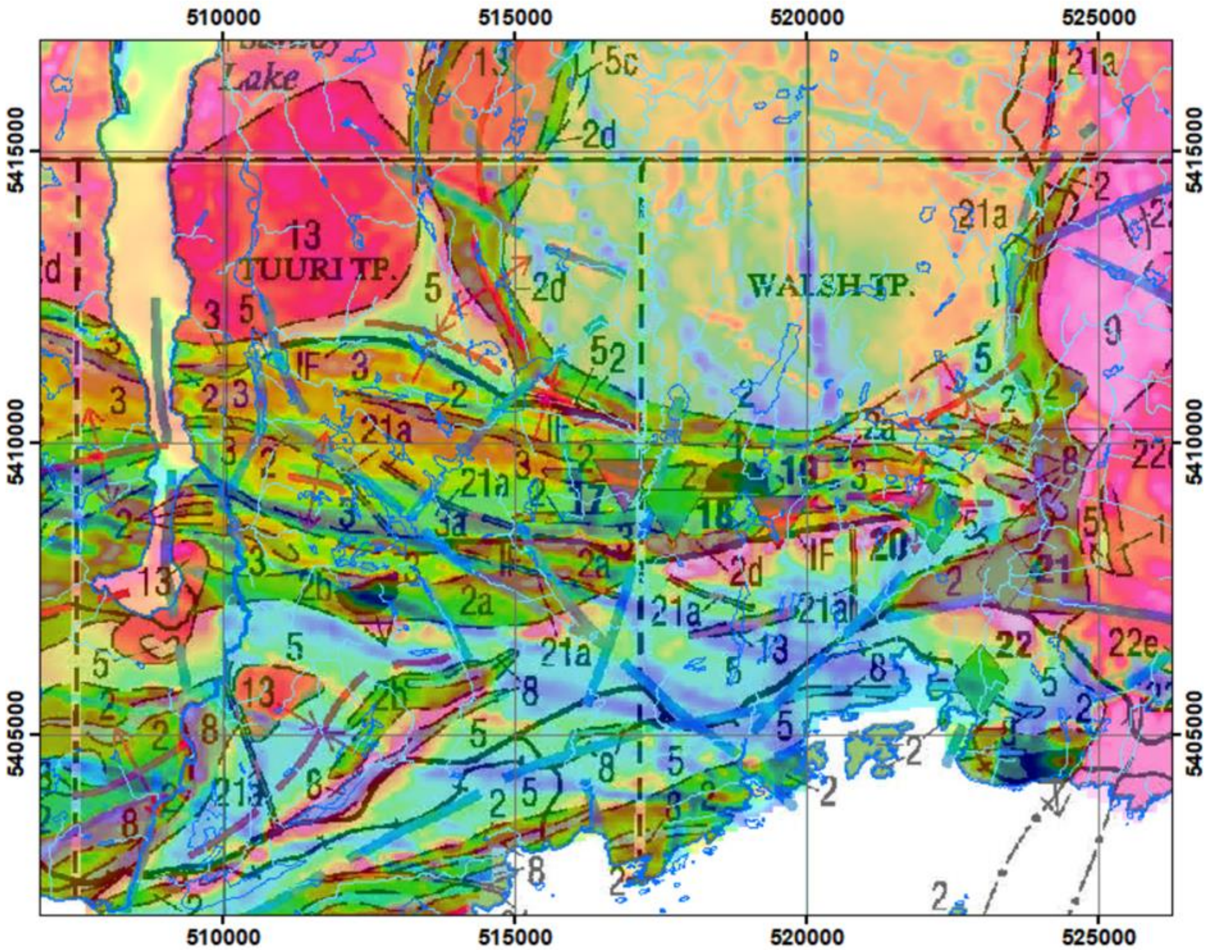

Figure 12. OGS Schreiber detailed Geological Compilation (OGS Map 2665, Santaguida, 2001) over Schreiber Mag TMI on West edge of Coldwell complex. Only a few short narrow occurrence of unit 21a (MCR related mafic intrusives) are mapped while the extensive negative magnetic linear features are apparent in the background mag TMI colour images.

The extensive MCR related linear intrusive in this area are reminiscent of the Barrage dyke swarm in the Barraga Basin the host to the Eagle Ni-CU-PGE deposit just to the South of Lake Superior at about this longitude

6.2 Magnetic 3D inversions

Unconstrained 3D magnetic inversions were done on a subset of the OGS Schreiber survey around the Nicopor showing. To preserve detail and accommodate the presence of magnetic remanence, two types of inversions were done, each highlighting different features.

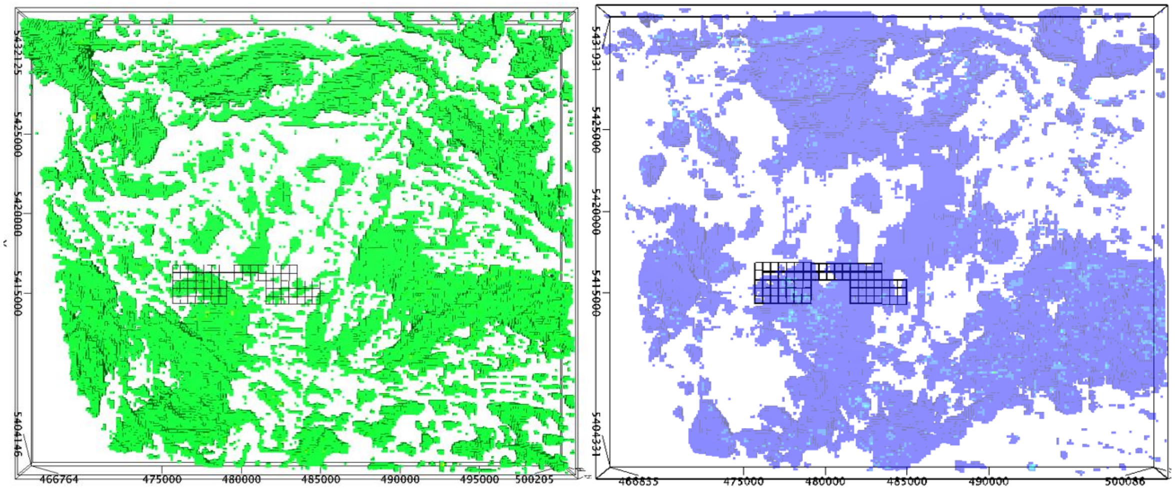

Figure 13. Mag Susc unconstrained inversion. Left: Plan view of 3D Mag Susc inversion with more detail but less accurate in areas of magnetic remanence. Mag inv hisens regional 150m_2019-03-22_17-17-20_susc with a low cut of on mag susc. values of 0.002 SI. Right: Plan view of 3D Mag MVI inversion which with less detail but more accurate in areas of magnetic remanence. (mag inv hisens regional 150m-mvi_2019-03-23_07-30-06_ampl with a low cut of on magnetization values at 0.006 units).

The Magnetic Vector Inversion (MVI) on the right in Figure 13 shows a model of total 3D magnetization and works in areas with strong magnetic remanence but usually has less detail than the conventional Magnetic Susceptibility inversion (MSI), shown on the left. It is apparent that the MSI preserves more detail but may not be quantitatively correct for rock units with strong magnetic remanence while the MVI is likely to be a better large-scale representation of all magnetized bodies.

The large magnetic body that is located over the west side of the Maude Lake property and underlies the Nicopor showing is more prominent and cohesive in the MVI inversion and as shown in Figures 14 and 15, and seems to dip at about 45 degrees to the SE. The more coherent MVI inversion suggests that there could be a negative MCR related portion to this body. This possibility could be studied in a more detailed comparison in 3D.

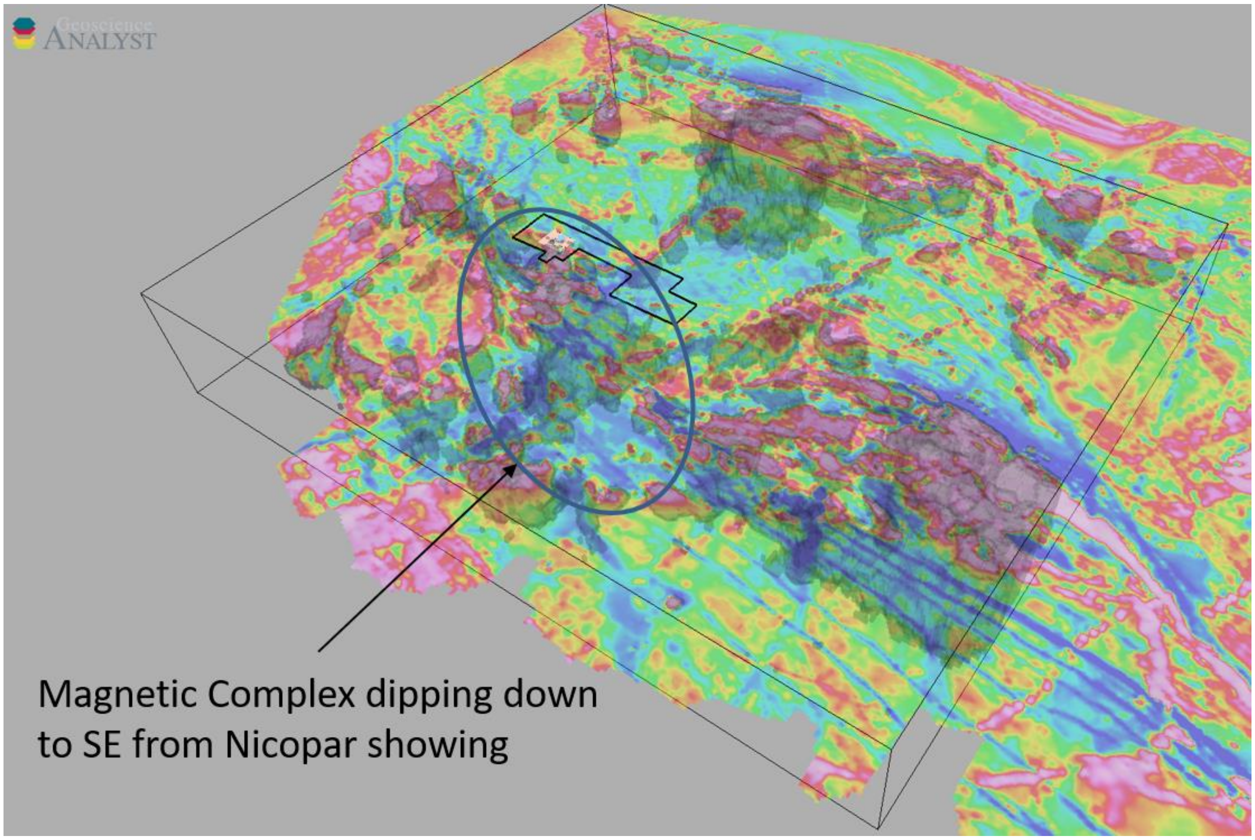

Figure 14. Mag TMI over Mag MVI inversion (130m cell size) looking from SE, showing a magnetic complex dipping SE from the surface showing.

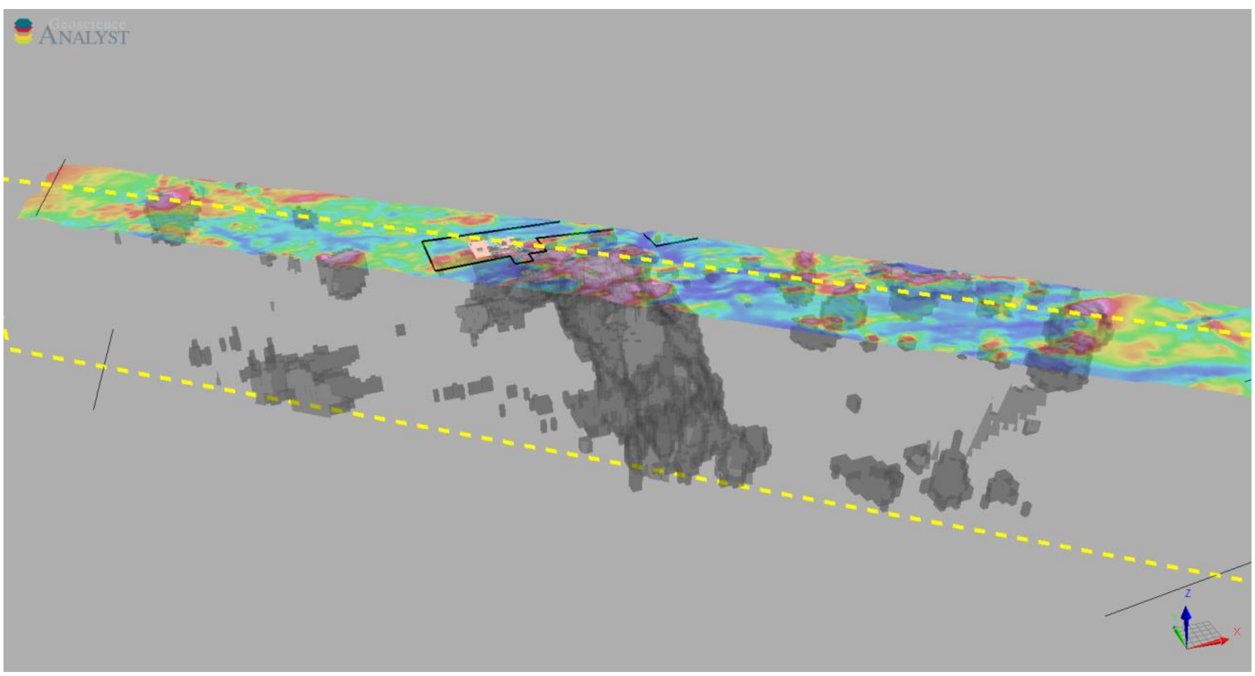

Figure 15. NW-SE Slice through Mag TMI over Mag MVI (130m cells). Looking NNE.

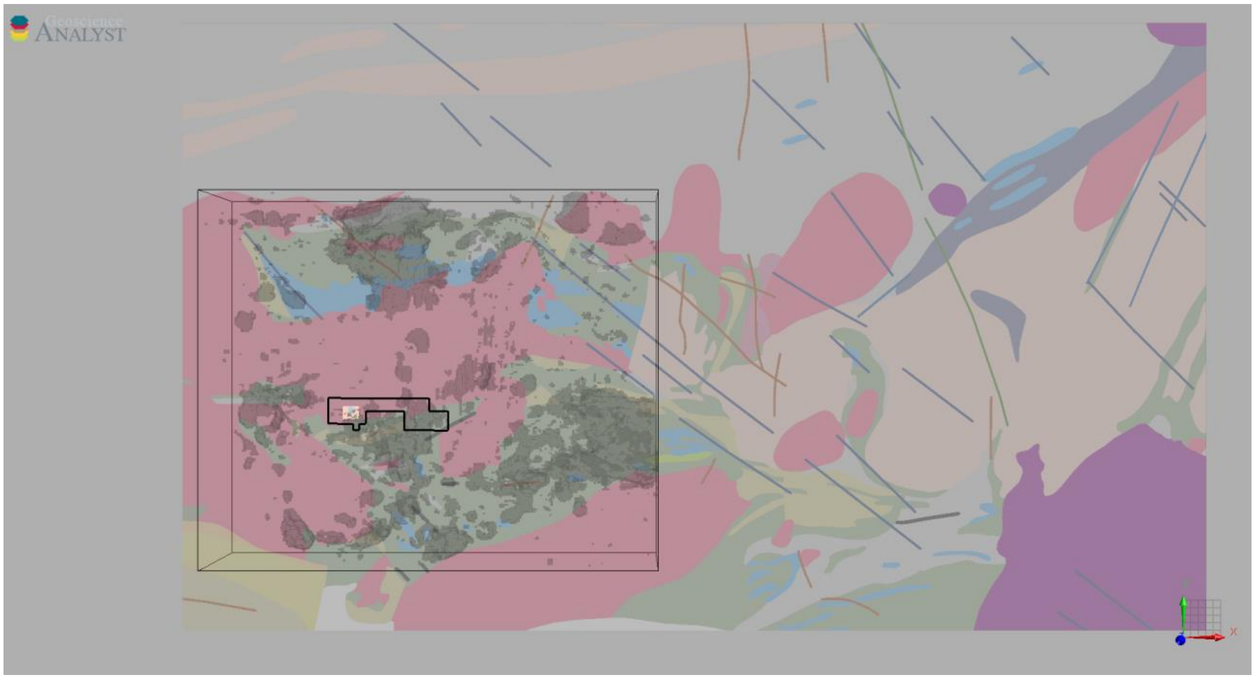

Figure 16. OGS regional geology over isosurfaces from the Mag MVI inversion (mag inv hisens regional 150m-mvi_2019-03-23_07-30-06_ampl with a low cut of on magnetization values at 0.006 Units).

Figure 16 shows that regional geology along with the Mag MVI inversion. These 2 data sets can be correlated in detail in 3D to study the large-scale relationship between geology and total magnetization.

6.3 OGS Schreiber survey Frequency Domain (FD) AEM

The OGS Schreiber airborne survey flown in 1999 by High-Sense includes Frequency Domain (FD) EM data. This system is dated now. It is a relatively low powered (compared to the newer Time Domain TDEM systems) that transmits and receives at several discrete frequencies. The frequencies area also relatively high compared to the current TDEM systems. Depth penetration is limited to about 100m but the system has very high sensitivity to even weak shallow conductors.

Detailed AEM anomaly picks are included in the OGS data set and shown in Figure 18, along with the best available ground EM data from the historical work.

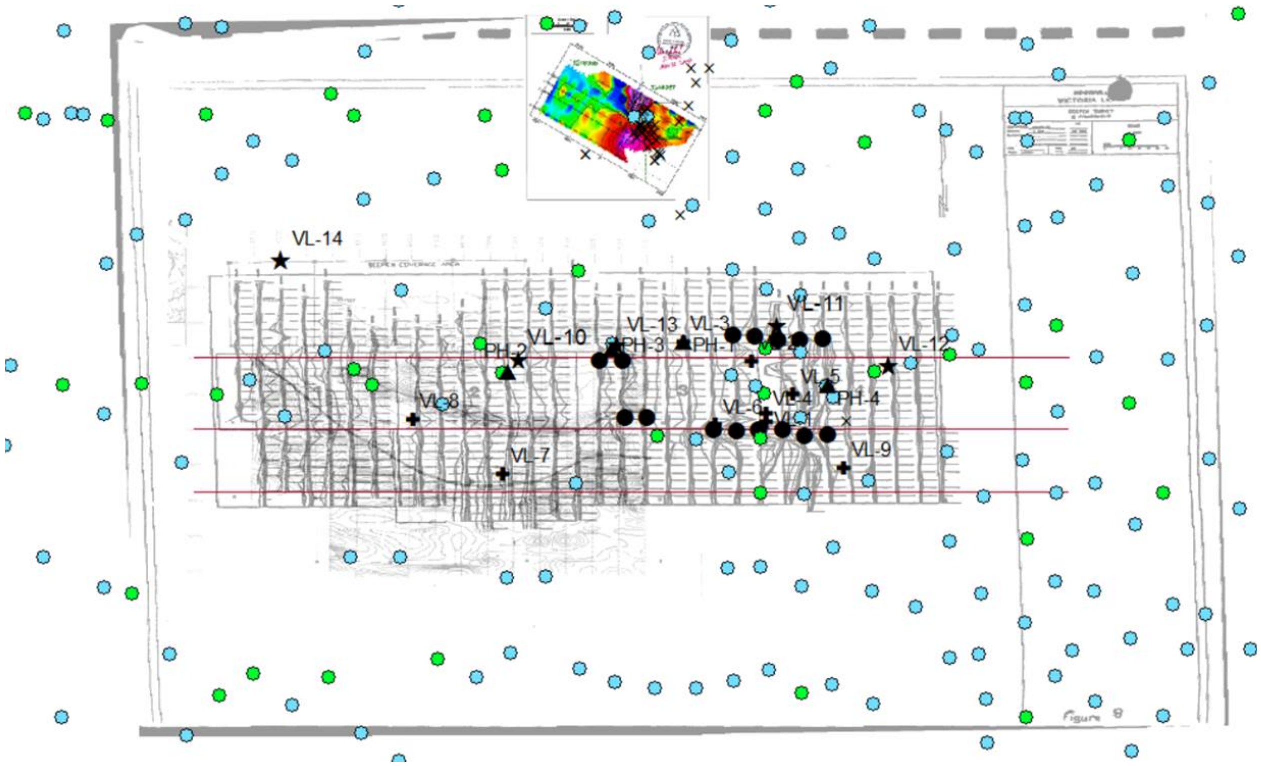

Figure 17. Schreiber AEM anomaly Picks over Minnova (PEM Profiles to the south) and Novawest (Colour image) ground TEM over Nicopor to the North. The FD-HEM are represented by the coloured dots: Blue 0-1.6 S, Green 1.6-5.4 Siemens (S) (Hor. Sheet model from OGS AEM picks.gdb).

All the OGS AEM picks show very weak conductance (all < 5.4 S) even though the ground TEM surveys showed moderate or better conductance targets on the southern Minnova grid (see ground EM data below) and over the Nicopor showing. Any well-connected magmatic Ni-Cu-PGE magmatic sulphides are expected to show high to very high conductance.

Why didn't the OGS High-Sense FD AEM survey better resolve the known conductors? There could be several reasons:

- It appears that the sulphides in the Nicopor showing occurs in small sheets (see BHEM below). This would reduce their response to the AEM system. However, the (barren) Minnova conductors to the south in the volcanics are more laterally extensive and should have been well resolved by an AEM survey.
- It was noted by Grant Mourre that the terrain is locally very rough. This suggests that the helicopter AEM system may not be getting down in the narrowest valleys so for these parts of the survey the FD-AEM system with its limited depth penetration may be too high above the ground surface. This issue is illustrated in Figure 19 where the flight path of the AEM bird is shown over terrain in 3D.
- This may be important if, as it appears, that MCR intrusives can be recessive features, and targets of interest may have been missed by the OGS FD-AEM survey.

These results suggest that a new, deeper penetrating, lower frequency, modern airborne TDEM survey over areas of interest could be useful.

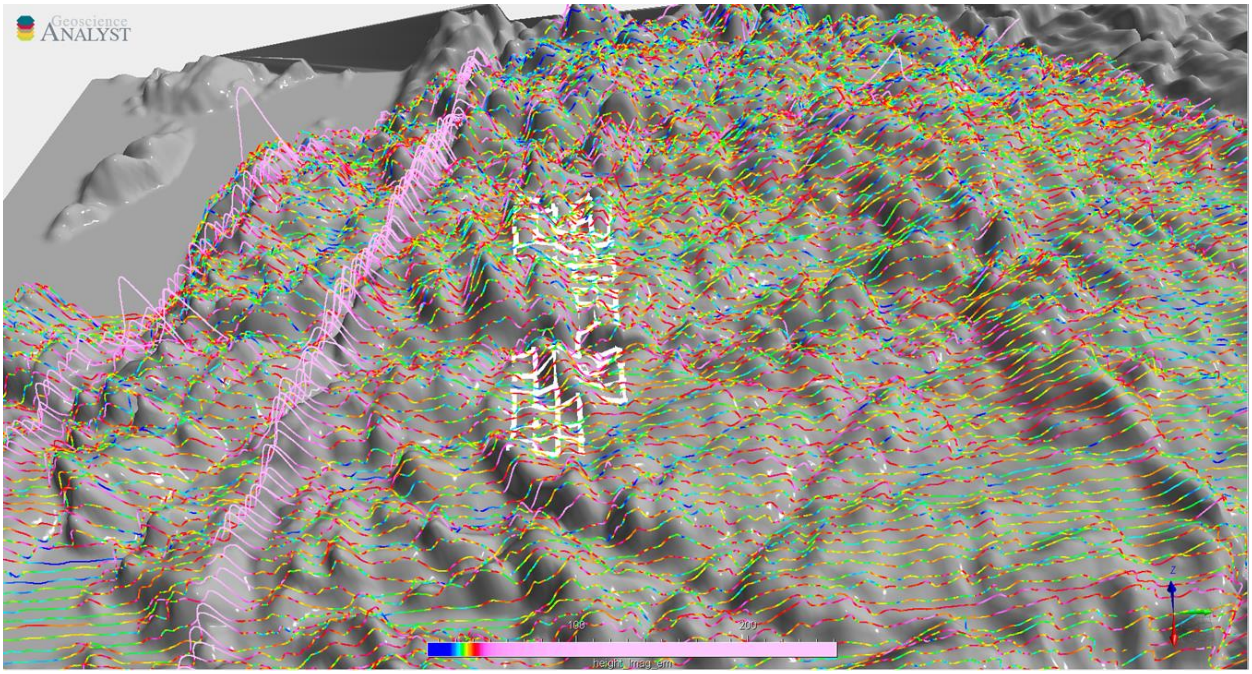

Figure 18. Schreiber Heli FD-AEM/Mag Survey lines draped on topo and colour coded by EM bird altitude. EM bird altitude spec is about 35m = green. Yellow and greatest is > spec flying altitude. In spite of the rough terrain, the flying was good with few points 100m or greater, but as can be seem the AEM system is well above spec altitude in many areas.

6.4 Historical Ground and BHEM geophysical surveys

Much of the ground geophysical work before the more recent Novawest work (Fowler Option/Nicopor prospect 2001-2004), was done by Norex (Noranda Exploration Victoria Lake Project) and by Minnova under an option from Norex for VMS exploration in the volcanics just to the south of the Nicopor showing (Victoria Lake Project). This work is quite relevant as it targeted the area south of Nicopar, (where the deep magnetic anomaly may extend) with relatively deep penetrating, ground, large loop TEM surveys and some very deep followup drill holes (some greater than 1000m) and some with BHEM surveys. For these reasons, this historical work was examined in some detail to see what and where it was done, what targets were located, and what might have been missed, especially at depth. Much of this previous work was driven by strong observed VMS type alteration at surface and in drilling.

6.4.1 Norex work 1982-1987 (Victoria Lake Project) for Winston Lake Type VMS Targets Geophysics

Summary of work

- *1983 Limited geology and geophysics including: magnetometer, Max Min Horizontal loop and limited PEM survey.*
- *1984 699m of diamond drilling (VL-1 to 4).*
- *Downhole PEM. 1985 878m of diamond drilling (VL-5).*
- *Downhole PEM. Drilling done in 2 stages 0-401 m 400m-878.*
- *1558m of diamond drilling (VL-6 to VL-9). Down hole pulse and a magnetometer survey.*

Results

Delineation of major Iron Formations and geophysical anomalies associated with them.

Tested Iron Formations and Magnetic anomalies. Discouraging trace to nil base metal mineralization. Off hole Pulse anomaly in VL-4.

VL-5 was designed to test the off hole PBM anomaly in VL-4. The hole stayed in mafic volcanics until 567m despite the northerly dipping felsic contact located approximately 50m to the south. BH PEM in VL-5 picked up some off hole response as in VL-4 indicating the source is between the two holes.

Previous drilling concentrated on the central (VMS) alteration cell and the Scooter Lake Horizon. The new holes were attempting to test the Victoria Lake Horizon across its entire strike length. VL-6 was gabbroed out (highlight by AK) *and stopped short of the Victoria Lake Horizon. VL-7 intersected oxide facies iron formation with minor sulphides and poor metal values (<1100ppm Zn, 210ppm Cu)*

VL-8 failed to intersect the (VMS) horizon of interest . VL-9 intersected sediment/oxide facies iron formation and was not sampled. Down hole pulse failed to clearly indicate any off-hole conductors.

No Images or data from the reported BHEM survey were available.

As part of this work Norex did surface PEM work over the west part of the exploration area.

(NORANDA EXPLORATION COMPANY, LIMITED GEOPHYSICS, VICTORIA LAKE - WEST GRID 42D14SW0026 Norex Mag PEM Jan 87 D. Carierre)

Summary of results

- *The dominant feature from the magnetics is a west-northwesterly trending magnetic body. Between L7125E and L7250E the zone changes character from a magnetic low to a magnetic high indicating a change in the direction of the magnetization. The significance of this is not understood* (highlight by AK)
- *The contact between the felsics and the magnetite-rich mafic volcanics (in the southern part of the grid) is well defined by a magnetic contact.. However, the mafic volcanics on the north part of the gird are magnetically transparent so that the contact with the felsics is not seen.*

- *The results of the Pulse-EM work did not locate any significant responses. Only a swamp was located as a 2-channel response with very rapid decay.*

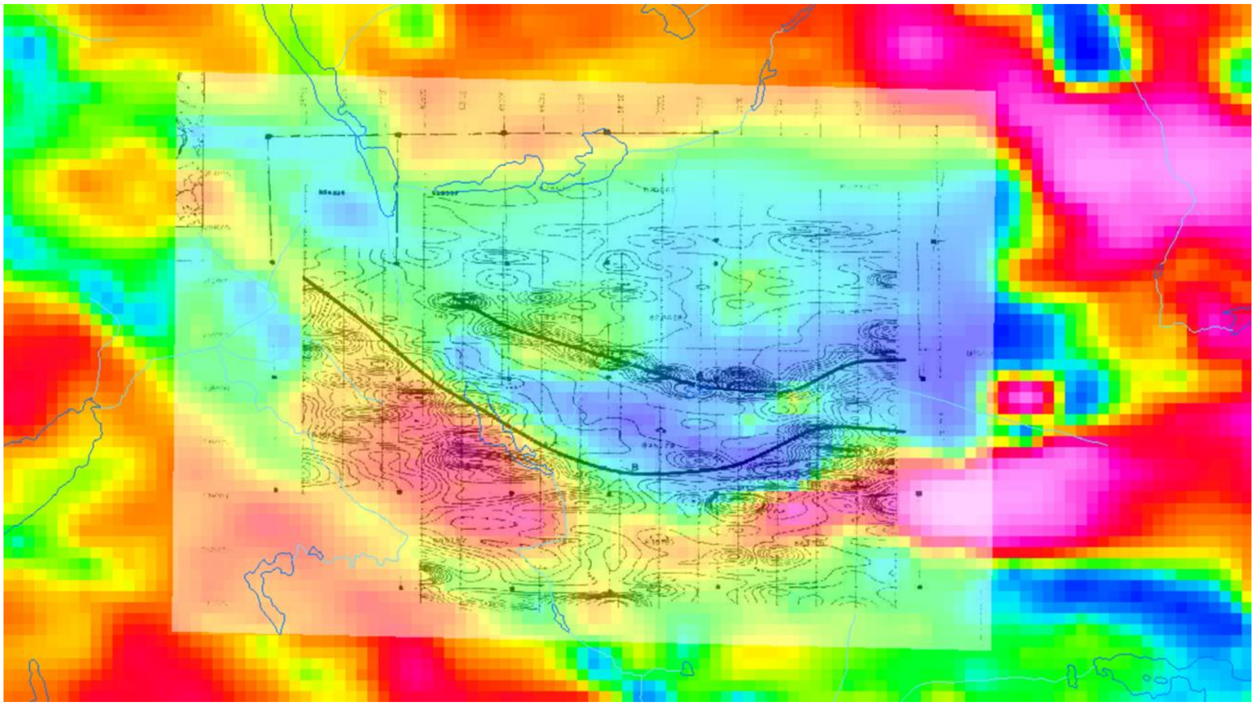

Figure 19. Norex ground magnetic contours over west grid over new Schreiber aeromag colour images. This overlay was used to confirm the location of the previous work. Norex reported no significant conductors on this grid. Nicopor is located at the NE corner of this image just off the Norex grid.

Conclusions from the Norex Victoria Lake Project, Western grid

"The PEM survey was unable to locate any conductive targets. The magnetics clearly reflect the geology but do not aid in locating any targets."

As shown in Figure 19 the historical ground mag matches well with the new Schreiber OGS aeromag.

6.4.2 Minnova_1991 (Victoria Lake Project Optioned from Norex) VMS Targets

"The goals of the program were to:

a) complete geological mapping and sampling over the entire property

b) conduct pulse EM surveys to test the most favourable horizons down to a depth of 400m vertical c) develop a geological model based on geology and lithogeochemistry d) identify favourable horizons associated with strong hydrothermal alteration and synvolcanic structures e) generate drill targets by completing the aforementioned goals.

The above goals were all successfully achieved and have generated a lot of excitement about this property. To date the most favourable horizons appear to have been inadequately drill tested. As a result the Victoria Lake property still carries a very high potential of discovery in the 1991 program

Geophysics

An inhouse (Crone DeepEM Analog 8 channel) pulse EM survey was carried out over the majority of the Victoria Lake property. A total of 4 loops were surveyed with each loop being oriented to provide maximum current coupling at approximately 400m vertical on the most favourable horizons in the central portion of the property (Fig. 20).

The survey picked up the conductive portions of the known iron formations and as well as other significant anomalies. Some PEM anomalies correspond to magnetic anomalies such as the anomaly on L7750 + 7875. The plot of the anomaly would indicate a relatively short strike length (< 250m) with dips near vertical despite the shift in later channels to the south. Depth would be < 250m vertical.

The second anomaly has a much broader crossover and a strike length in excess of 500m. Response is generally good over seven of the eight channels. Depth is on the order of 300-500m."

As noted above, and as shown again in Figure 20, the correlation of this ground TEM survey and the OGS airborne FD- FEM was not very good.

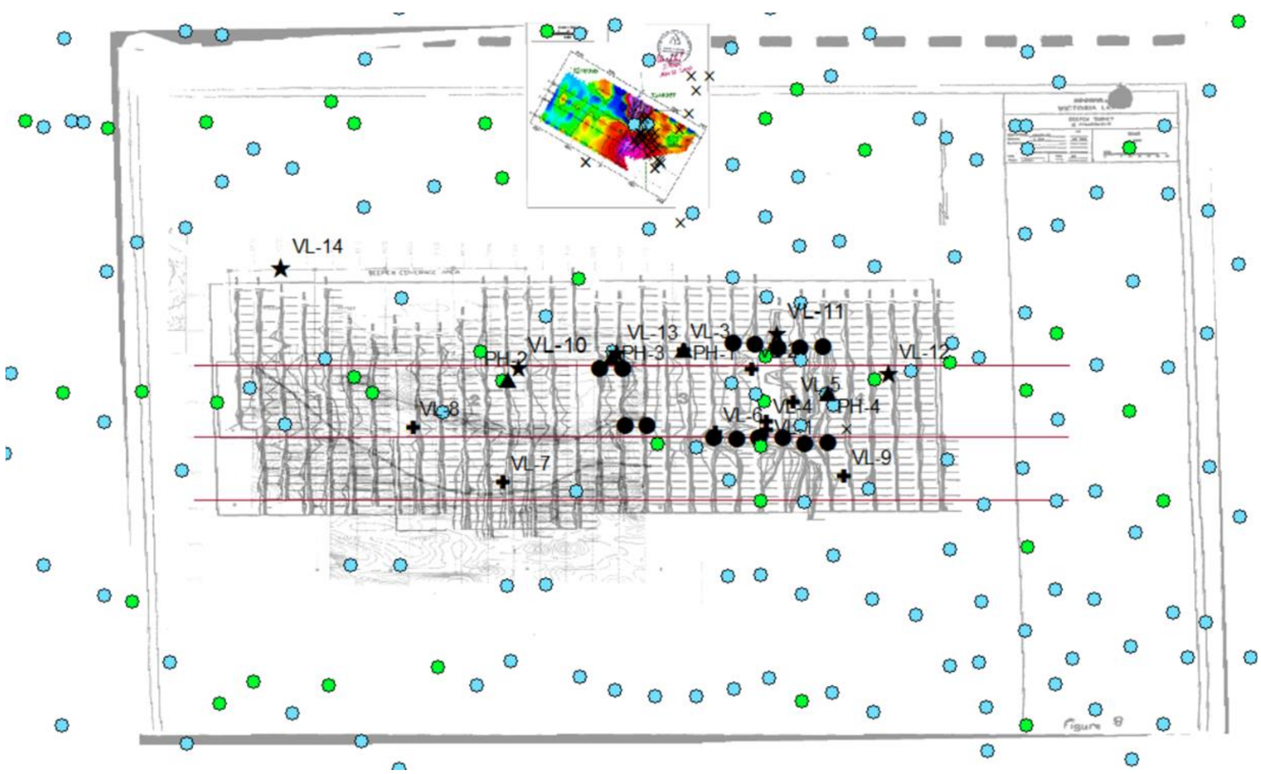

Figure 20. (repeat of Figure 17) Schreiber AEM anomaly Picks over Minnova PEM Profiles (1990 Minnova) to the south and Novawest ground TEM (Novawest, 2004) over Nicopor (Colour image) to the North with historical drillholes. The FD-HEM anomaly Picks are represented by the coloured dots with Blue 0-1.6 Siemens (S), and Green 1.6-5.4 Siemens (S) Values from Hor. Sheet model from OGS AEM picks.gdb)

Minnova_1991 (Optioned from Norex) VMS Targets. Summary and Recommendations

- *A pulse EM survey was completed and covered the entire central portion of the property and all of the alteration cells. The survey picked up two, previously undiscovered anomalies as well as portions of the known iron formations. The pulse EM anomalies consist of a small 4 channel response over 2 lines (125m) associated with the (favorable) Frenche Lake Horizon (FLH). The second anomaly is a full 8 channel response over approximately 450m within the Corvette Lake mafic flows. This anomaly is associated with abundant gossanous surface exposure and disseminated interpillow sulphides and noisy base metal values up to 4200ppm Zn.*
- *Recommendations include diamond drilling to test the Frenche Lake Horizon at 300m vertical on 500m centres. This will effectively test the FLH at the top of strong hydrothermal alteration over a strike length of 1km.*
- *One hole is planned to test a broad off-hole anomaly in VL-5. At present it is unclear whether the response is located on this Victoria Lake Horizon (VLH) east of Titanium fault or on the Scooter Lake Horizon (SLH) on the west side of the fault. Finally, the PEM anomaly occurring within the Corvette Lake flows over a strike length of 450m will be drill tested.*

6.4.3 Minnova 1991-92 Drill Programs

Summary

Minnova 1991 Drilling. Deepen VL-3 and 5 and Drilled VL-10-11

"The 1991 winter drill program at Victoria Lake was conducted between January 21 and April 9, 1991. A total of 2236m was drilled in 2 new holes and deepening of 2 existing holes. Borehole pulse EM surveys were conducted on the holes (April 18, 1991), unfortunately VL-5 was blocked at 825m, 177m from the bottom."

Minnova 1992 Drill Program

- Drilled on previous DeepEM targets etc.
- Deepened VL 3, 6,
- New holes - VL 12, 13, 14

Table 2. 1991 winter drill program at Victoria Lake.

PN078 - 1991 WINTER DRILLING, VICTORIA LAKE PROJECT

TABLE 3: DDH TECHNICAL DATA

HOLE	LOCATION		AZ	DIP	DEPTH	DRILLED	TARGET	PIERCE POINT COORDS		
	NORTH	EAST			(m)	(m)		NORTH	EAST	ELEV
VL-3	205+35	82+50	180	-70	1045	922	FLH SLH (EOH)	203+87 201+67	82+35 80+92	-405 -955
VL-5	201+90	88+50	180	-70	1002	124	SLH	198+05	86+11	-732
VL-10	203+90	73+00	180	-70	1005	1005	FLH SLH (EOH)	201+66 199+70	72+43 70+86	-573 -863
VL-11	205+50	87+50	180	-60	185	185	PEM	204+87	87+45	-116
TOTAL						2236				

FLH: FRENCHE LAKE HORIZON - MAFIC-FELSIC CONTACT
SLH: SCOOTER LAKE HORIZON - INTRA-FELSIC IRON FORMATION
PEM: DEEPEM CONDUCTOR - INTER-PILLOW SULPHIDES/MINERALIZED MUDSTONE

6.4.4 Novawest (Fowler Option/Nicopor prospect) 2001-2004

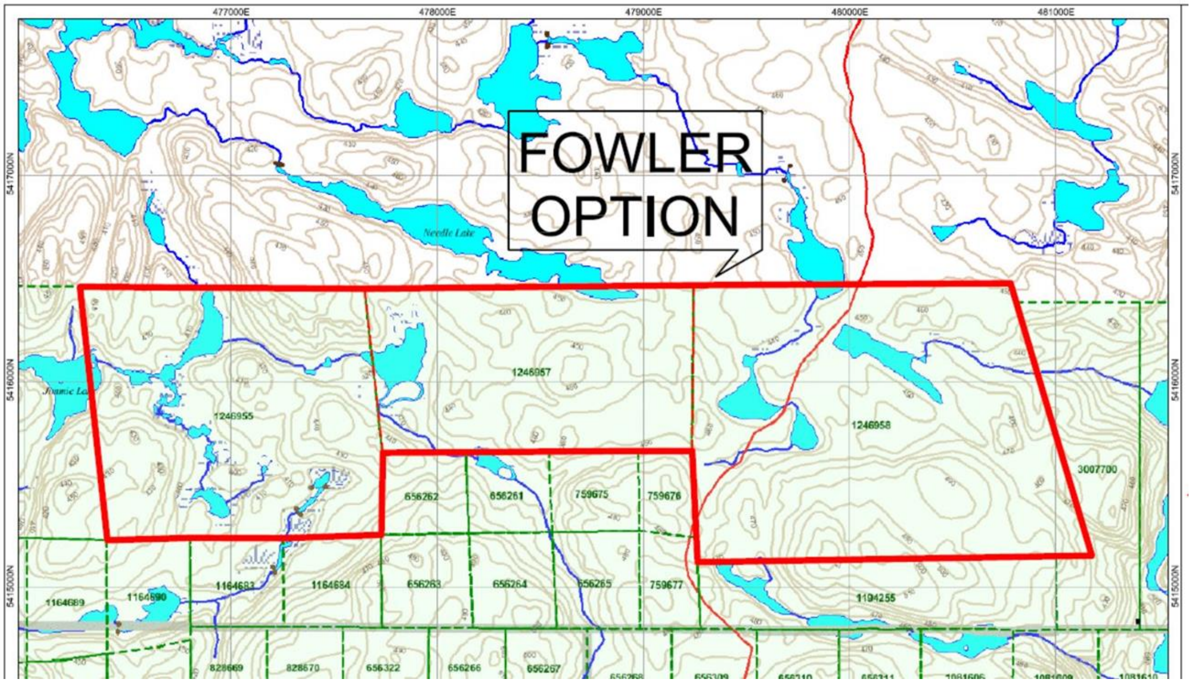

Figure 21. Novawest (Fowler Option/Nicopor prospect.

Nicopor prospect

- Novawest Commissioned Quantec to do BH and surface TEM.
- Drilled 11 diamond drill holes Confirmed high tenors of Ni, Cu and elevated PGEs.
- Identified 2 conductors from surface TEM and multiple discrete bodies from BH TEM.
- Confirmed Ni, Cu, PGE grades, expands lenses and *suggests a magmatic origin* (AK italics)

6.4.4.1 Novawest Mag/VLF to the east of Nicopor

In addition to the surface TEM over Nicopor Novawest conducted a ground Mag/VLF on a grid just to the east of Nicopor as shown in Figure 22.

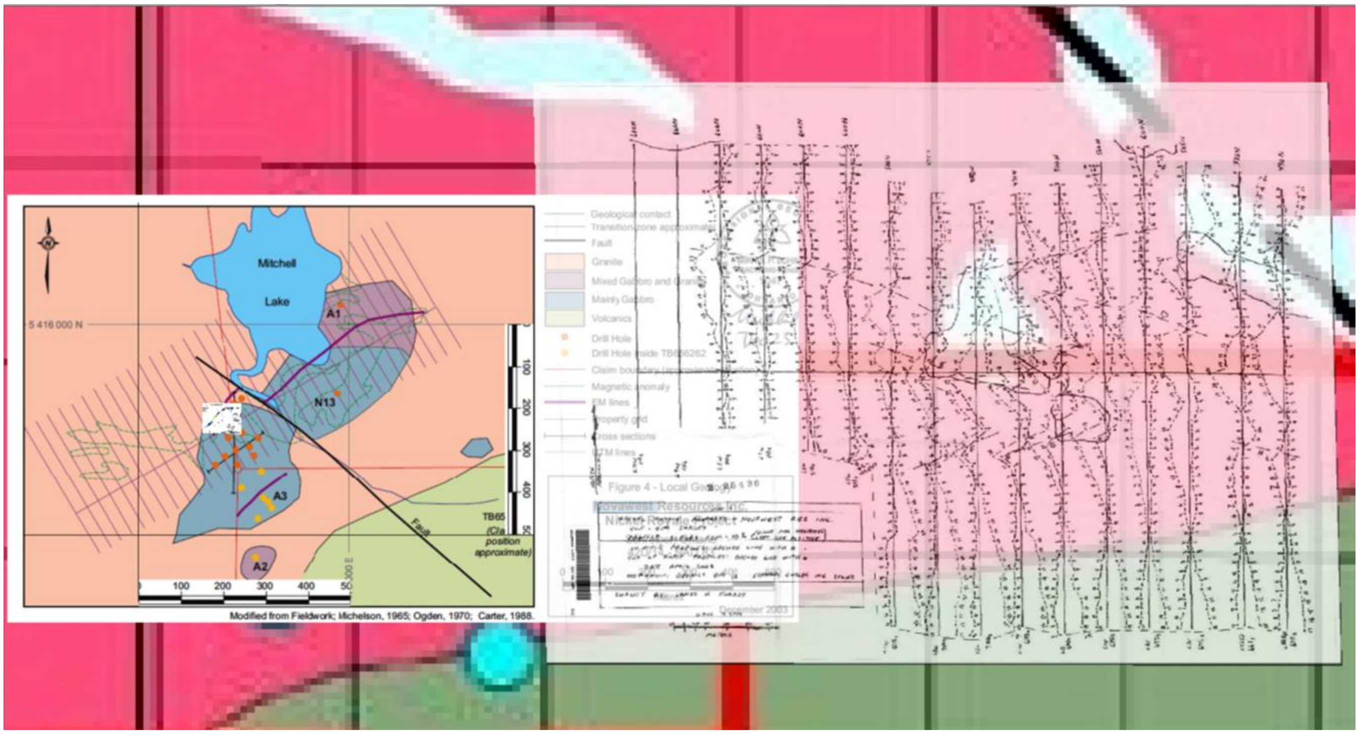

Figure 22. Novawest Mag/VLF grid Located to East of Nicopar showing with VLF data shown.

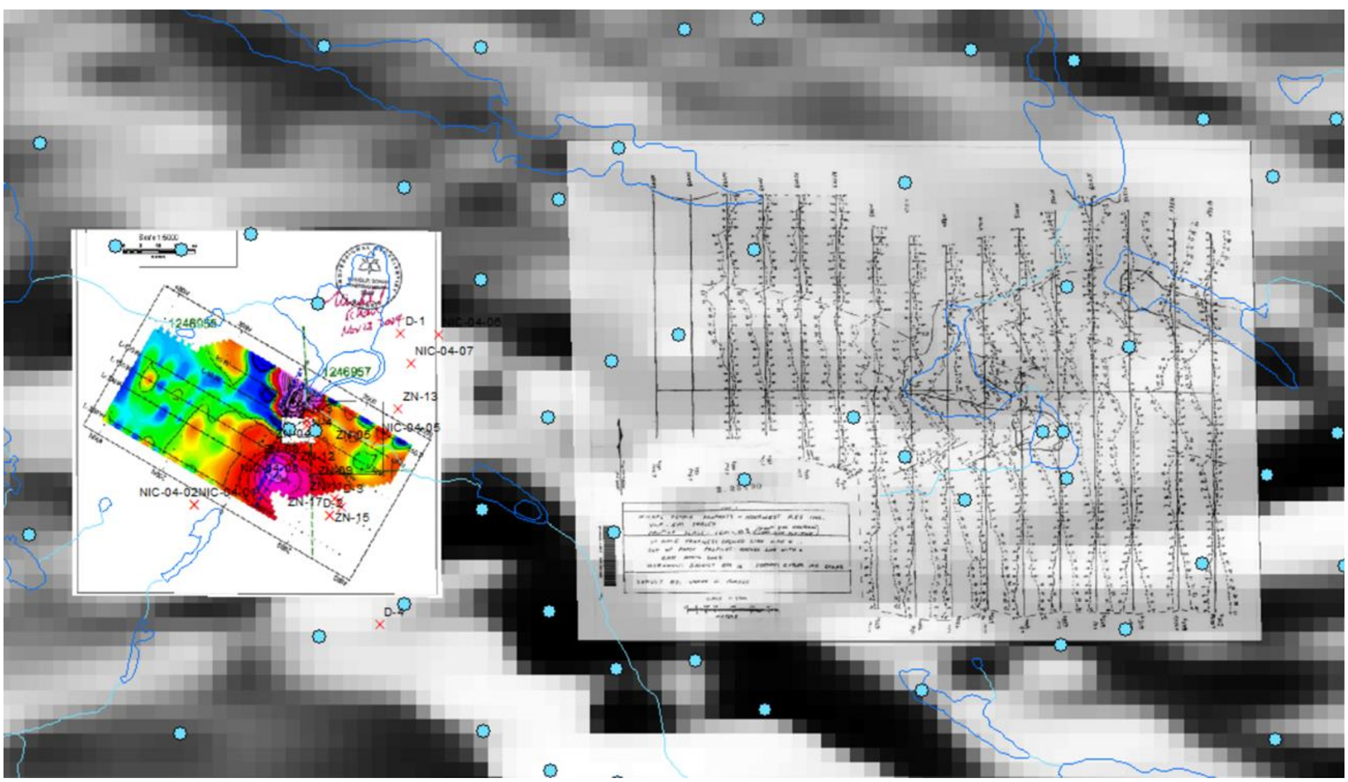

Figure 23. Novawest Mag/VLF grid Located to East of Nicopar showing with VLF data shown with Nicopor surface TEM all on OGS mag grey scale image with Schreiber FD Helicopter EM weak anomalies (blue dots).

As can be seen in Figure 23 there some correlation of weak AEM anomalies with the ground VLF but not 100%. Normally we would expect a good correlation of the very sensitive FD-HEM with VLF anomalies. This suggests that the weakest AEM anomalies may not have picked or the AEM survey terrain clearance was too high over the valleys/swamps/creeks/structures which are the likely source of the VLF anomalies.

6.4.4.2 Novawest BHEM at Nicopar

BHEM surveys were completed in most of the new Novawest drillholes.

The BHEM surveys identified multiple small discrete bodies both inhole and near the holes. No large untested conductor was identified. Samples of plots from interpretations that were completed for Novawest of the BHEM using the Maxwell interpretation software are shown in Figure 24.

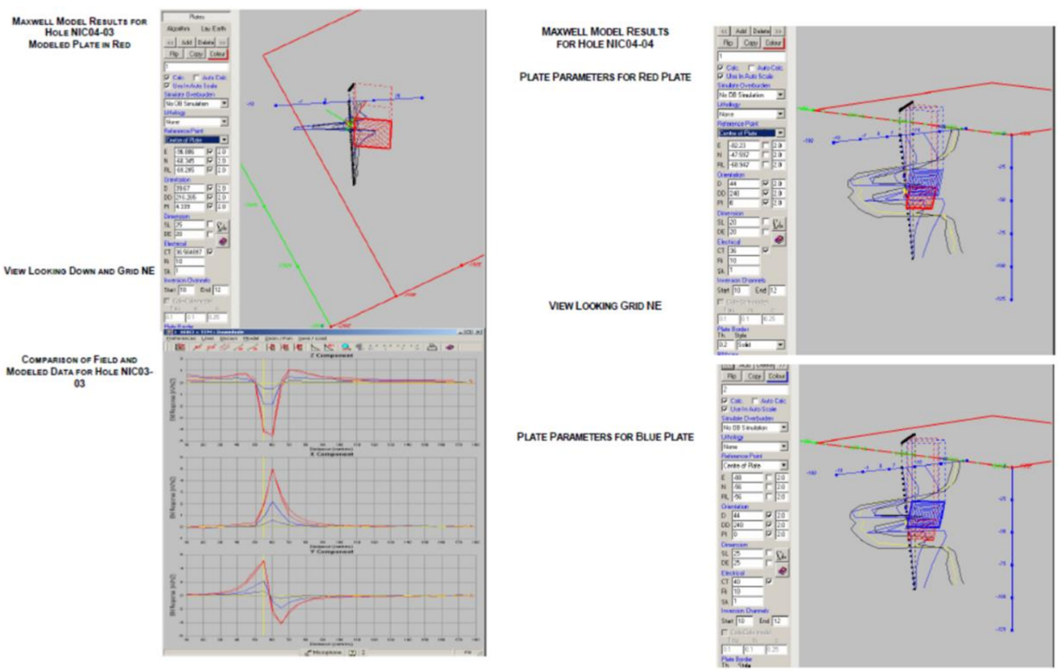

Figure 24. Samples of plots from interpretations of the BHEM in Novawest holes NIC04-03 and 04-04 using the Maxwell interpretation software.

It is not clear from the report what BHEM system was used but it is likely that this is conventional dB/dt data. It would be good to see measured or calculated B field and/or on-time data, both of which are more sensitive to large slowly decaying, very conductive targets than the usual dB/dt data to the point that excellent quality targets could be missed in conventional dB/dt data. If digital data is available, it may be possible to calculate B field and ontime results.

7 Summary

- Apparent negative mag remanence in the regional mag suggests that extensive/complex MCR related intrusions extend from Lake Superior up to the Nicopar property area.
- Mag MVI inversion shows large magnetic body dipping to the SE from the surface showing.
- This deep, down dip magnetic volume has been tested to some extent by a number of moderate depth to very deep (~1000m) drill holes on the Victoria Lake project just to the south of Nicopor. Most of these holes were surveyed with BHEM. This property was explored for VMS targets in VMS style alteration zones by Norex and Minnova.
- The regional gravity shows a large tongue of high-density material extending north to the property from the main MCR/Lake Superior mag/grav anomaly
- The OGS 1999 Schreiber Helicopter FD-AEM had relatively high frequencies and limited depth penetration (about 100m) with only weak OB type responses apparent n the Maude Lake area.
- VLF by Minnova to the East of Nicopor mostly showed responses likely due to swamps/OB with only weak correlation with AEM.
- There is relatively recent surface TEM data by Novawest over Nicopor and older Crone DeePEM done by Norex and Minnova over a broad grid located to the south on the Victoria Lake property. Two small good quality conductors were located over Nicopar and the DeePEM survey located several good, longer strike length conductors on the Victoria Lake (VL) property. These VL were mostly tested and explained by non-economic conductors.
- BHTEM was done by Novawest in most of Nicopor DH's and Crone BHEM by Norex and Minnova in most Victoria Lake project DH's. Anomalies located in the Victoria Lake BHEM data have been largely explained by non-economic conductors but this should be doubled checked once holes are plotted in 3D as some of these holes appeared to test the area of the deep mag anomaly that dips to SE from under Nicopor and at least one of the holes terminated in gabbro. The Nicopor BHEM shows numerous small sulphidic conductors in and around the holes. No B field or ontime BHEM was done on either area.
- The Norex/Minnova ground TEM work were all large fixed loop TEM surveys and in the case of the Minnova work at least, the loops were located over the area of interest. All single loop, large fixed loop surveys have a blind angle where the primary field is parallel to possible conductive sheets. In the case of loops located over the area of interest this blind angle would reduce the responses from subvertical conductors.
- There is no modern deep penetrating TD AEM survey. This would increase penetration to ~ 400 m for large targets. No deep penetrating ontime measurements (preferred for high conductance Ni-Cu-PGE targets) are available with most commercial Airborne TEM system but one can get calculated B field to extend conductance range to higher values.
- Regional mag and grav show strong MCR-type intrusive potential in the area.
- Deep drilling for VMS on the Victoria Lake project to the south has partially tested the SE dipping large magnetic volume and the drill holes and BHEM (if available) should be reviewed in detail and any mafic rocks intersected (if available) should be examined for MCR affinities.
- No ontime ground or BHEM done. This is critical for large very conductive targets.

- There is evidence in the mag and gravity of possible MCR related intrusions in the area and near the property. The scarcity of mapped MCR related intrusives in the regional geology suggest that these are small/thin (as in dkyes) and/or recessive.

8 Recommendations

- Age and geochemical analyses on Nicopor and any other mafic intrusives in the area to see if they could be MCR related.
- A new deeper penetrating lower frequency modern Airborne TDEM system over areas of interest could be useful. This survey should have B field and B field tau as part of the deliverables.
- Do BHEM with ontime (UTEM or Crone STEP response) for large, very conductive targets in all old holes that are still open, and in any new holes
- On time surface large loop TEM (UTEM or Crone STP) to follow up any new anomalies if new AEM is done, or over areas of interest if no new AEM.
- Get geological logs/samples from all deep VL 1-14 holes to see if MCR type mafic intrusives have been intersected.
- BHEM Plates from Novawest work can be digitized from the Novawest report. Get Maxwell images into 3D using Maxwell software.
- Get Novawest surface TEM and BHEM data in digital form, if possible and see if it can be reprocessed to extract B field data.
- Geoscience North's geologist began extracting lithogeochem samples and assays from the 1991 Minnova report (1341 rock samples, Minnova, 1991). The scan of the sample location map is nearly illegible but if the original can be procured it may be worth digitizing the assay results and sample locations for lithogeochem studies.

References

1990 SUMMARY REPORT Minnova Assessment Report 42D14NW0513

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Statement of Qualifications

I, Alan R. King, B.Sc, M.Sc, P.Geo, declare that:

1) I am a Consulting Geophysicist with residence in Sudbury, Ontario and am presently employed in this capacity with Geoscience North Ltd., Sudbury, Ontario;

2) I obtained a Bachelor of Science Degree (B.Sc.), in Geology from the University of Toronto in 1976, and a Master of Science Degree (M.Sc.), in Geophysics from Macquarie University in 1989;

3) I am a registered geophysicist with a license to practice in the Province of Ontario (APGO member # 1178);

4) I have practiced my profession continuously since 1976 in North and South America, Australasia;

5) I am a member of the Society of Exploration Geophysicists, and the Australian Society of Exploration Geophysicists;

6) I have no interest, nor do I expect to receive any interest in the properties or securities of the company, its subsidiaries or its joint-venture partners;

7) I am the Professional Geologist/(Geophysicist) and a member in good standing of APGO who has coauthored this Report;

8) The statements made in this report represent my professional opinion in consideration of the information available to me at the time of reviewing this report.

Dated this 17th day of June, 2019.

Signature

Alan King

Geophysicist

Geoscience North Ltd.

Appendix D: Expenditures & Invoices

Contents

List of Tables

Expenditures

Total Expenditure claimed within this report totals **$13,711**. A breakdown is summarized in Table 1 below, with further details contained within Tables 2 – 9. To accompany the summarized tables are compiled list of receipts and invoices associated with the work conducted as part of the 2019 property visit and geophysical modeling undertaken on the Maude Lake Property in the vicinity of the historic Nicopor Prospect (this assessment report).

Table 1: Summary of Expenditures

Work Type	Work Subtype	Subtotal	Total	Summary Table
Prospecting			**$ -**	
	Grass Roots Prospecting	-		
Physical Work			**$ -**	
	Bedrock Pitting and Trenching (>1m3 and <3m3 in 200 m Radius)	-		
	Bedrock Pitting and Trenching (>3m3 in 200 m Radius)	-		
	Mechanized Stripping (<100m2 in 200 m Radius)	-		
	Mechanized Stripping (>100m2 in 200m Radius)	-		
	Manual Stripping	-		
	Manual work	-		
Sampling Program			**$ -**	
	Bulk Sampling	-		
	Drill Core Sampling	-		
	Non-core Drill Sampling	-		
	Overburden Heavy Mineral Processing	-		
	Metallurgical Testing	-		
	Beneficiation	-		
	Industrial Mineral Testing	-		
	Dimensional Stone Removal	-		
	Other Sampling	-		
Remote Sensing Imagery			**$ -**	
	Imagery	-		
	LiDAR	-		
Geological Survey Work			**$ 3,200**	
	Geological Survey	3,200		Table 2
Geochemical Survey Work			**$ -**	
	Geochemical Survey	-		
Ground Geophysical Survey Work			**$ -**	
	Borehole Geophysics	-		
	Magnetics	-		
	Electromagnetics	-		
	Gravity	-		
	Induced Polarization	-		
	Magnetotellurics	-		
	Radiometrics	-		
	Resistivity	-		
	Seismic	-		
	Self-Potential	-		
	Other Ground Geophysics	-		

Airborne Geophysical Survey Work			**$ -**	
	Airborne Magnetics	-		
	Airborne Electromagnetics	-		
	Airborne Gravity	-		
	Airborne Radiometrics	-		
	Other Airborne Geophysics	-		
Modelling or Reprocessing of Data			**$ 4,000**	
	Data Modelling	-		
	Data Reprocessing	4,000		Table 3
Exploratory Drilling			**$ -**	
	Core Drilling	-		
	Non-core Drilling	-		
Drill Core or Drill Sample Submissions			**$ -**	
	Drill Core Submission	-		
	Drill Sample Submission	-		
Petrographic Work			**$ -**	
	Microscopy	-		
	Scanning Electron Microscopy	-		
	Electron Microprobe Study	-		
	Other Petrographic Work	-		
Environmental Baseline Study			**$ -**	
	Environmental Baseline Study	-		
Rehabilitation Required or Permitted Under the Act			**$ -**	
	Rehabilitation	-		
Associated Work types			**$ 6,511**	
	Line Cutting	-		
	Assays	2,729		Table 4
	Personal Transportation	441		Table 5
	Contractor Mobilization/Demobilization	-		
	Supplies	963		Table 6
	Equipment Rental	-		
	Report/Map	1,200		Table 7
	Shipping of Samples	-		
	Food	522		Table 8
	Lodgings	658		Table 9
	Shipping of Supplies	-		
	Access Trail building	-		
	Industrial Mineral Marketing	-		
Aboriginal Consultation Costs			**$ -**	
Totals		**Total Expenditures**	**$ 13,711**	

Table 2: Summary of Geological Survey Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
Transition Metals Corp. - Salaries (8 person-days @ $400/day)	2019-06-05	2019-06-08	-	3,200.00	-	3,200.00
			Total	**$ 3,200.00**	**$ -**	**$ 3,200.00**

Table 3: Summary of Geophysical Data Reprocessing

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
Geoscience North		2019-04-15	Feb-March Inoice	3,000.00	390.00	3,390.00
Geoscience North		2019-06-22	April-May Inoice	1,000.00	130.00	1,130.00
			Total	**$ 4,000.00**	**$ 520.00**	**$ 4,520.00**

Table 4: Summary of Assays Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
ALS Canada Ltd.		2019-06-23	4764270	2,728.50	136.43	2,864.93
			Total	**$ 2,728.50**	**$ 136.43**	**$ 2,864.93**

Table 5: Summary of Personal Transportation Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
Pioneer Energy		2019-06-01	44177	116.80	15.18	131.98
Wash's Esso		2019-06-07	187941	39.51	4.89	44.40
Wash's Esso		2019-06-07	131479	56.64	7.36	64.00
Terrace Bay Enterpri		2019-06-05	369420	63.15	7.54	70.69
Terrace Bay Enterpri		2019-06-07	370372	93.25	10.24	103.49
SSM East Husky TC		2019-06-08	35019	71.25	9.26	80.51
			Total	**$ 440.60**	**$ 54.47**	**$ 495.07**

Table 6: Summary of Supplies Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
RoadSpot		2019-07-02	RC08223114	79.99	10.40	90.39
Canadian Tire		2019-05-27	0010010011 C	717.84	93.32	811.16
Echo Rental & Supply		2019-05-27	1236023	165.00	21.45	186.45
			Total	**$ 962.83**	**$ 125.17**	**$ 1,088.00**

Table 7: Summary of Report/Map Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
Transition Metals Corp. - Salaries (3 person-days @ $400/day)			-	1,200.00	-	1,200.00
			Total	**$ 1,200.00**	**$ -**	**$ 1,200.00**

Table 8: Summary of Food Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
Wacky Wings Eatery & Beverage Co		2019-06-07	269132	122.60	-	122.60
Costa's Food Market Ltd.		2019-06-03	316672	8.96	-	8.96
Tim Hortons #101456		2019-06-08	-	8.38	1.09	9.47
Quizno's #4486		2019-06-08	19297	20.64	-	20.64
Drifters Motel & Restaura		2019-06-05	6334720	324.11	20.99	345.10
Terrace Bay Enterpri		2019-06-04	368897	36.91	3.15	40.06
			Total	**$ 521.60**	**$ 25.23**	**$ 546.83**

Table 9: Summary of Lodgings Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	To	From				
Microtel by Wyndham		2019-06-07	85565EC011730	129.00	21.93	150.93
Microtel by Wyndham		2019-06-07	85565EC011729	129.00	21.93	150.93
Drifters Motel & Restaura		2019-06-05	6334720	399.96	51.99	451.95
			Total	**$ 657.96**	**$ 95.85**	**$ 753.81**

Invoices

***Withheld for confidentiality.**