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2018 Prospecting and Sampling Program Revell Property

Revell, Hyndman and Hodgson Townships, Ontario

NTS 52 F 09

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Contents

Introduction

The Revell Property was acquired by Transition Metals Corp. through online staking on April 10th, 2018. The property covers the northern contact of the Revell Batholith, where mafic-ultramafic lithologies appear to form a border phase between the Revell Batholith and the mafic volcanic rocks to the North and East. Two historic Cu-Ni-PGE occurrences are present on the property, the Tache East and Tache West showings.

The Tache West showing has seen limited historic work including trenching and diamond drilling. Historical drilling reported 10ft @ 0.64% Ni, 0.77% Cu and 12ft @ 0.68% Ni, 0.90% Cu within a gabbroic body.

The Tache East showing is exposed as a small pit of sulfide bearing gabbroic rocks with historic bulk samples averaging 0.21-0.37% Cu, 0.27-0.33%. 3 diamond drill holes are reported with the best intersection returning 0.6% Cu and 0.3% Ni over 1.3m and 0.2% Cu and 0.2% Ni over 2.4m.

Sampling completed during the 2018 prospecting program has confirmed historic reports of Cu-Ni-PGE mineralization at both the Tache East and Tache West showings. Detailed prospecting near the showings indicates limited strike extent of the mineralization which is confined to the Tache West stripped outcrop and the Tache East pits.

Geochemical analysis indicates mineralized gabbroic and ultramafic rocks are cogenetic with the more extensive felsic intrusives of the Revell batholith. Mineralization at Tache West and East are distinct from each other with the former likely forming during crystal fractionation of Revell border zone gabbros and diorites while the latter is associated with mafic to ultramafic phases of the Revell border phase which has undergone contamination by mafic volcanic country rocks.

Despite the limited extent of known mineralization, the border zone of the Revell property remains a prospective environment for Cu-Ni-PGE mineralization. An airborne EM survey is recommended over the Revell property with follow up work to include ground truthing, prospecting, sampling and trenching of any anomalous areas.

Location

The Revell Property is located 250 km west of the City of Thunder Bay Ontario and 55 km west of the City of Dryden, Ontario (Figure 1). Access to the property is attained via Hwy 17 which transects the southern portion of the claims and the Basket Lake Road which provides access to the NW claims. The Canadian Pacific rail line also transects a portion of the claim group.

Figure 1: Revell Property Location Map

Land Tenure

The Revell Property is comprised of 68 mining claim cells covering 1,360 hectares in Revell, Hyndman and Hodgson Townships that are 100% owned by Transition Metals Corp. (Figure 2). A complete list of the claim cells is provided in Appendix 1.

Regional Geology

Summary from Blackburn et al. (1991)

The Tache West and East property is situated within the southeastern part of the Eagle-Wabigoon-Manitou Lakes greenstone belt, which is part of the Western Wabigoon Terrane, a granite-greenstone subprovince in northwestern Ontario. Greenstone belts within the Western Wabigoon Terrane consist mostly of ultramafic to felsic metavolcanic sequences with lesser abundances of clastic and chemical metasedimentary sequences. These greenstone belts are interlinked and surround large, elliptical granitoid batholiths. All the lithologies have been subsequently metamorphosed, deformed and intruded by post-tectonic mafic to ultramafic plutons and granitoid stocks.

The metavolcanic rocks within the greenstone belts can be grouped into 3 categories: lower mafic, felsic to intermediate and upper mafic metavolcanic sequences. The basal sections of the lower mafic metavolcanic rocks are composed of pillowed to massive mafic metavolcanic flows. At stratigraphic higher sections, fragmental rocks such as pillow breccias, autoclastic flow breccias and hyaloclastites occur. Minor clastic and chemical sedimentary units occur at various stratigraphic levels within lower mafic sequence. Overall, the metavolcanic flows contain larger and more abundant vesicles up

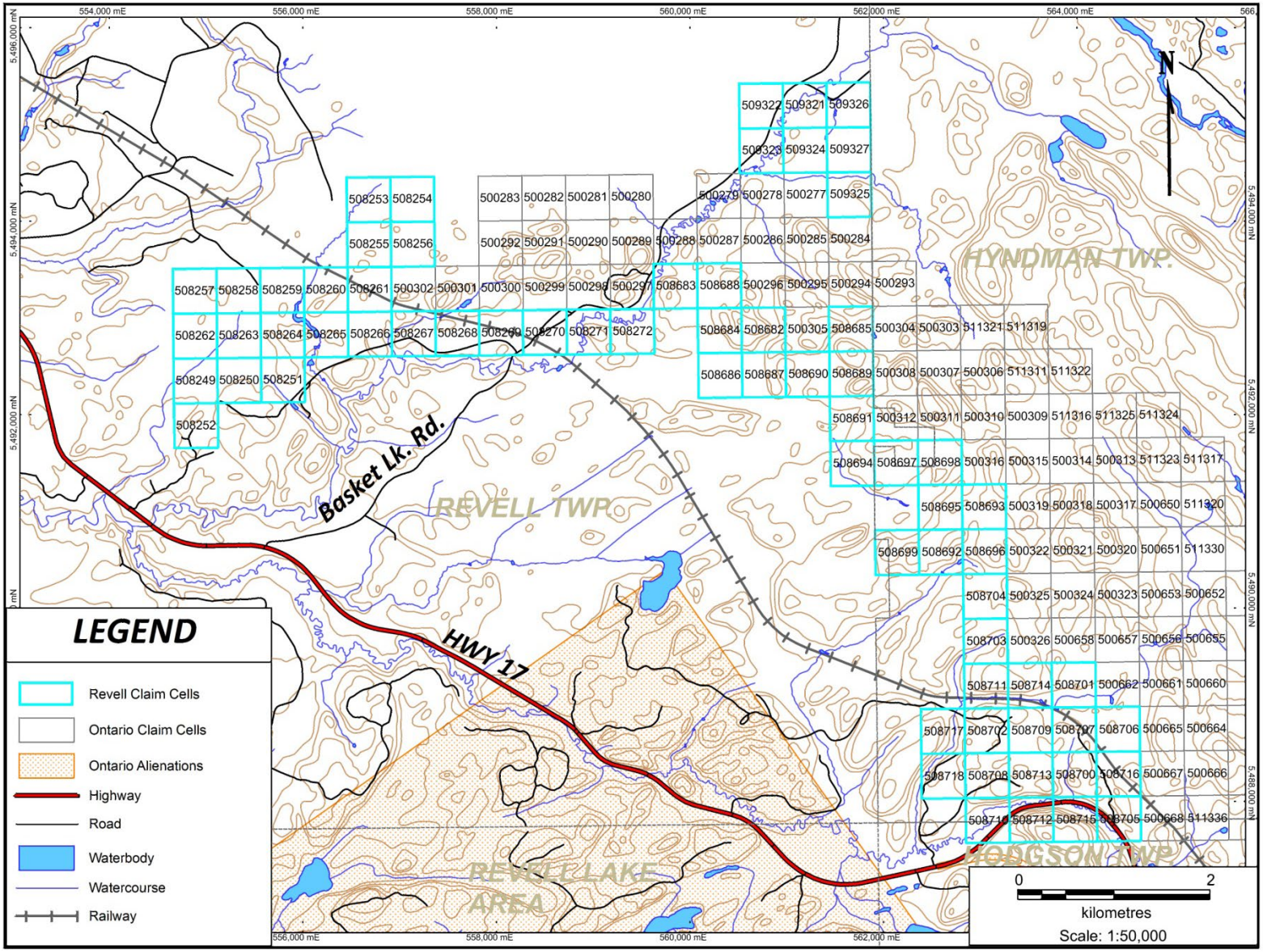


Figure 2: Revell Property Claim Map

stratigraphy, suggesting a progression from deep to shallow water deposition. The lower mafic metavolcanic rocks are overlain by either the felsic to intermediate or the upper mafic metavolcanic sequences. The felsic to intermediate metavolcanic sequence is composed of primary and resedimented volcaniclastic rocks, lava flows and pyroclastic rock. Resedimented pyroclastic rocks include heterolithic debris flows which contain rock fragments that are mafic to felsic in composition. Mafic to intermediate flows interbedded in this sequence are massive, pillowed, hyaloclastite and contain pillow and flow breccias. The felsic to intermediate metavolcanic sequence was interpreted to represent the transition from shallow water to subaerial deposits.

Upper mafic sequences are composed of pillow to massive metavolcanic ultramafic to mafic flows, which are interbedded with intermediate to felsic metavolcanic rock and metasedimentary rock. This sequence occurs interbedded or above the felsic to intermediate sequence. Basaltic metavolcanic rocks are geochemically tholeiitic in composition and ultramafic komatiites are massive to polyhedral jointed containing rare occurrences of localized pillowed and small vesicle structures. Intermediate to felsic metavolcanic rock are bedded tuffs to heterolithic tuff breccias. Interbedded metasedimentary rocks are clastic, chert or meta-iron formation.

Mafic to ultramafic dikes and sills ranging from gabbro to leucogabbro and peridotite to pyroxenite intrude all three of the metavolcanic sequences. The Tache West and Tache East showings are hosted within these mafic to ultramafic intrusions, which are located between the northern and eastern contacts of the Revell Batholith and folded mafic metavolcanic rocks that wrap around the batholith.

Previous Work

Exploration activities on and around the Revell property have focused on both Ni-Cu and Au mineralization. The Tache Cu-Ni occurrences have been the focus of Ni-Cu-PGE exploration activities since their discovery in 1955 (East) and 1966 (West) (MDI52F09SE00033 and MDI52F09SE00032). The MNDM maintains a record of assessment reports filed on the property which has been compiled and summarized below:

1956: Consolidated Mining and Smelting Company completed a ground magnetometer survey on the Tache East showing and drilled 140m in 3 drill holes. Best results returned 0.6% Cu and 0.3% Ni over 1.3m. Bulk sampling of the Tache East showing returned results ranging from 0.21%-0.37% Cu and 0.27-0.33% Ni.

1966: G.L Pidgeon discovered the Tache West showing and conducted trenching.

1967: Maverick Mines and Oils drilled 442m in 8 holes at the Tache West showing.

1988: Asarco Exploration Company of Canada Limited completed a ground VLF EM-16 survey targeting Au mineralization in Revell Township.

1992: Champion Bear Resources completes ground magnetic and VLF-EM surveys on the Tache West showing

1994: Champion Bear Resources completed soil sampling and prospecting on the Tache East and Tache West showings.

1999: Robert Fairservice completed geological mapping and sampling at the Tache West showing. Best assays of the sampling returned 405ppb Pt, 640ppb Pd and 624ppb Au.

2000: Robert Fairservice completed a soil sampling program near the Tache West showing.

2001: Robert Fairservice completed a humus sampling program near the Tache West showing.

2018 Prospecting Program

Summary

Prospecting was carried out in two phases. On June 5th and 6th Transition Metals geologists Grant Mourre and Brad Clarke conducted 2 days of prospecting and sampling at the Tache East and Tache West showings. The objectives were to verify historic assays, collect samples for whole rock geochemical analyses and to better understand the geology of the showings.

Bayside Geoscience Inc. was then contracted to complete additional prospecting and sampling on the property, focussing on the areas around the historic showings. Between August 7th and August 11th Geologist Steven Flank and Field Assistant Derek Defranceschi completed 5 days of prospecting and sampling. The objectives of this program were to get a better understanding of the various rock types and their distributions around the showings, determine if known mineralization can be expanded upon, and to prospect for any additional Ni-Cu-PGE mineralization. A total of 112 field stations were recorded during this phase of work (Appendix B).

Maps showing station and sample locations and traverses are included in Appendix C.

In total, 80 grab samples were collected across the Revell property. Sample details and descriptions are also included in Appendix D. Samples were submitted to AGAT Labs preparation facility in Thunder Bay, Ontario. The objective of the sampling program was as follows:

- Confirm historical sampling at the Tache East and Tache West showings
- Identify new areas Ni-Cu-PGE mineralization proximal to known showings
- Characterize Ni-Cu-PGE bearing intrusive rocks utilizing whole rock geochemistry
- Collect a robust suite of whole rock geochemical samples to identify potential trends/rock types of interest and better understand the relationship between the mafic and felsic intrusive rocks comprising the border phase of the Revell Batholith
- Sample veins and shear zones for potential Au mineralization

Samples were submitted for one of three types of analysis:

- Au via fire assay with AAS finish (AGAT package 202-051)

- Whole Rock Geochemistry via Lithium Borate Fusion with XRF finish and Sodium Peroxide Fusion via ICP-MS Finish (AGAT packages 201-676 & 201-378)
- Whole Rock Geochemistry + Pt,Pd,Au analysis via fire assay with ICP-OES finish (AGAT package 202-055)

Sample certificates are attached in Appendix D.

Sampling Results

Initial sampling at Revell focussed on the documented showings where a total of 24 samples were collected. At Tache East two blasted pits with sulfide bearing mafic to ultramafic intrusive rocks were located and sampled (8). At Tache West a stripped outcrop was located which had been previously blasted and channel sampled. A number of drill casings were also observed with no identifying features. Rock types within the trench included a relatively unaltered and undeformed gabbro which contained up to 5% disseminated chalcopyrite-pyrrhotite mineralization (Figure 3). In total, 16 samples were collected from the various units observed on the trench. Table 1 summarizes the best results of this sampling.

Tache East samples graded up to 0.285% Cu, 0.23% Ni, 0.117 g/t Pt, 0.383 g/t Pd and 0.093 g/t Au. Tache West samples were higher grade overall, returning up to 0.62% Cu, 0.15% Ni, 0.269 g/t Pt, 0.393 g/t Pd and 0.361 g/t Au. Overall the mineralized samples at Tache East are much more mafic than those at Tache West (~9-22% MgO vs 6-11.5% MgO). Samples at Tache West are comparable in grade to historic values while the Tache East are slightly lower than historic values.

Figure 3: Tache West pit and mineralized gabbro

Table 1: Significant assays from initial sampling at Revell. Refer to Appendix B for sample details.

Sample ID	Location	Cu (ppm)	Ni (ppm)	Pt (ppm)	Pd (ppm)	Au (ppm)	MgO (%)
S899353	Tache W	6370	1140	0.269	0.371	0.361	6.41
S899355	Tache W	4830	745	0.264	0.393	0.259	6.21
S899356	Tache W	3120	687	0.102	0.150	0.081	6.32
S899357	Tache W	6200	1530	0.236	0.349	0.163	6.49
S899358	Tache W	4760	944	0.179	0.274	0.117	6.18
S899359	Tache W	2600	707	0.036	0.138	0.188	7.11
S899360	Tache W	1790	560	0.047	0.098	0.237	9.04
S899361	Tache W	1260	928	0.043	0.044	0.073	11.50
S899365	Tache W	1760	455	0.082	0.208	0.162	6.95
S899369	Tache E	1890	1060	0.117	0.327	0.045	14.90
S899370	Tache E	1740	1330	0.066	0.203	0.031	13.70
S899371	Tache E	2850	1400	0.092	0.294	0.057	12.20
S899373	Tache E	748	1500	0.037	0.068	0.005	19.50
S899374	Tache E	663	834	0.041	0.074	0.006	17.80
S899375	Tache E	2620	958	0.069	0.383	0.093	9.77
S899376	Tache E	2220	2330	0.068	0.193	0.051	22.70

Geology

Prospecting work identified several rock types and key field relationships on the Revell property. Rock types within the main body of the Revell batholith included granodiorite, quartz diorite and diorite. These intrusive rocks show a range of textures ranging from relatively fresh, massive to strongly foliated and weakly banded.

Mafic-ultramafic intrusive phases are found within a border zone between the Revell batholith and the mafic volcanic rocks to the north (Figure 4) This border phase contains rock types including diorite, gabbro, melagabbro and rarely peridotite. The border phase contains abundant breccias and vari-textured zones indicating dynamic, multiphase emplacement of magma.

Limited investigation of the mafic volcanics north of the Tache West showing identified massive and tuffaceous mafic volcancis with minor, narrow bands of mafic-ultramafic intrusive rocks (pyroxenite). In general tectonism and metamorphism was observed to be strongest proximal to the Tache East showing. Figure 5 shows representative pictures of rock types on the Revell property.

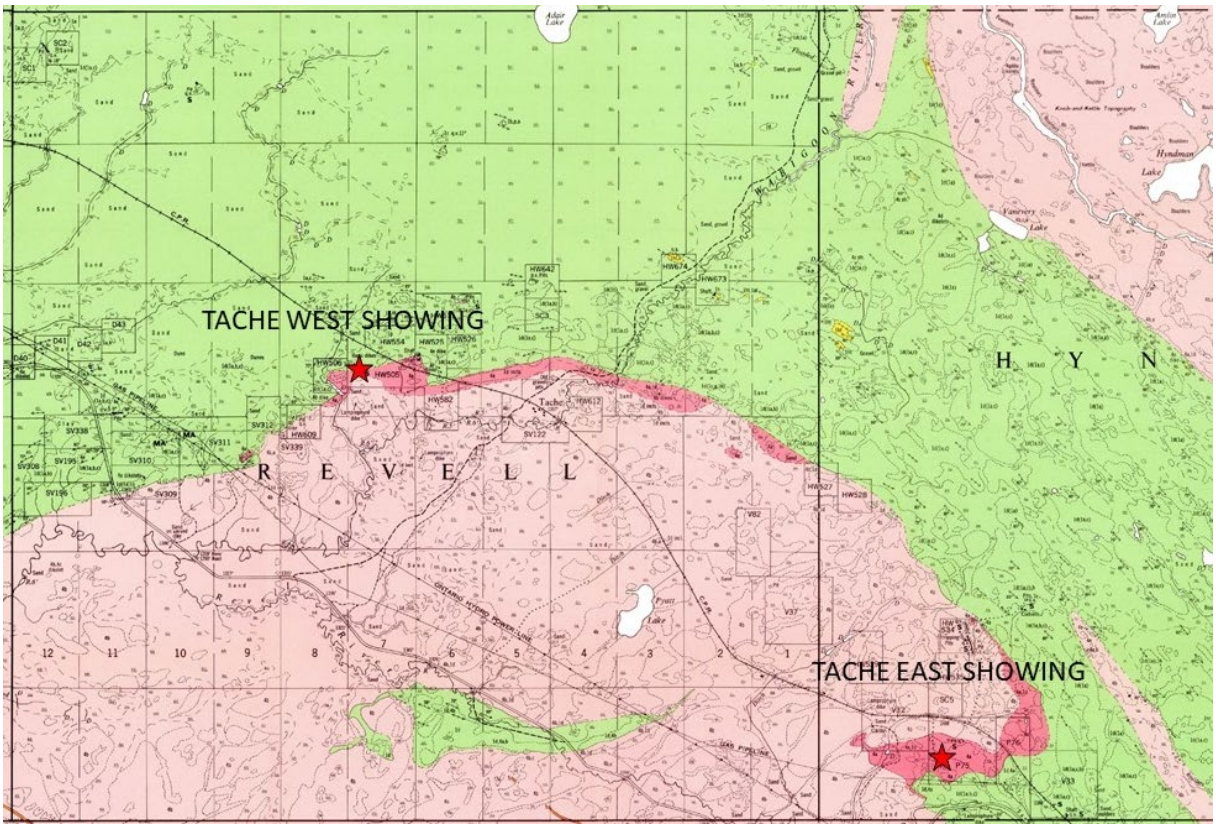


Figure 4: Geology of the Revell property. Geological map modified from OGS map M1960H

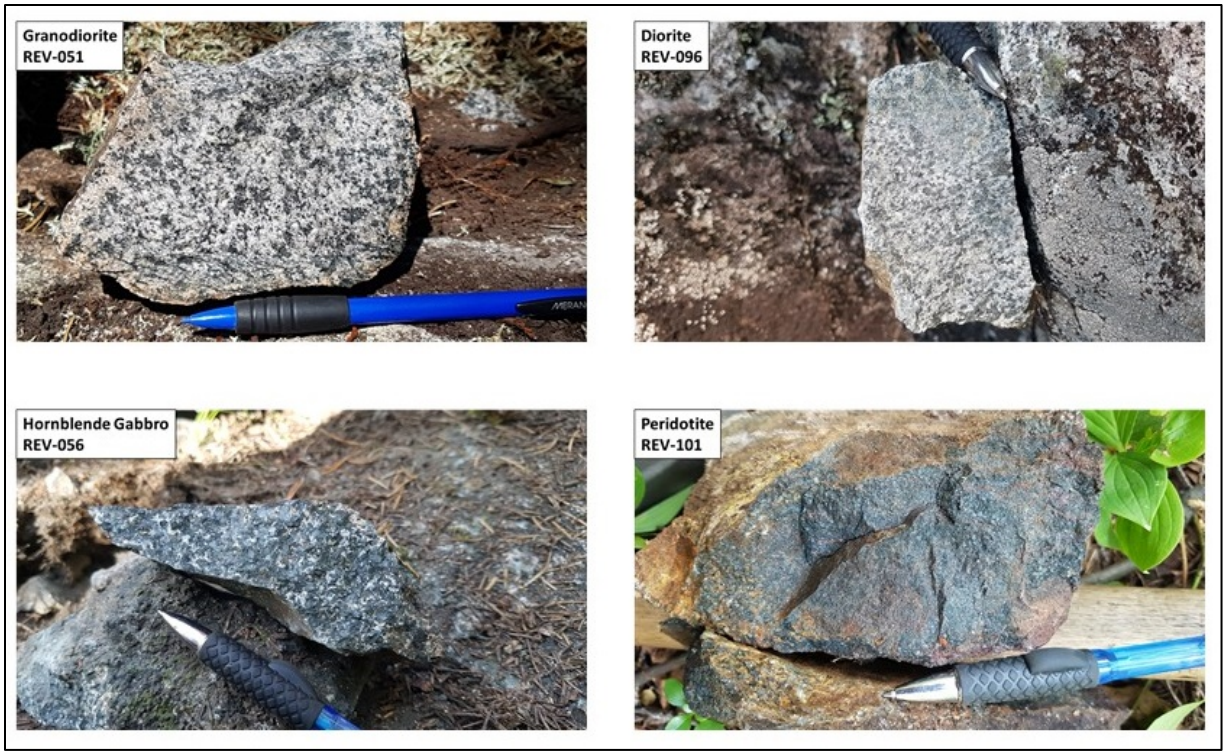


Figure 5: Representative rock types underlying the Revell property.

Tache East

Brecciated and vari-texured diorites and gabbros are prominent in the Tache East area. A gravel pit in the northern portion of this area contained excellent exposures of brecciated gabbro and diorite, providing context to the field relationships of these units. Diorite appears to brecciate earlier gabbroic phases as well as what appears to be relict mafic volcanic xenoliths (Figure 6). Late felsic dykes then irregularly intrude through all phases. The breccias at Tache East were extensively sampled to determine if breccia hosted PGE mineralization was present, but no anomalous values were returned.

The Tache East showing is found within a poorly exposed, blasted pit. Mineralization is hosted within mafic to ultramafic intrusive phases including (hornblende) gabbro, melagabbro and pyroxenite. These rock types along the north and south edges of a swamp and are surrounded on either side by more felsic diorite. Compositional banding shows variable orientation and small-scale folding is observed in these rocks (Figure 7). Ni-Cu mineralization is associated with the mafic-ultramafic phases and is accompanied by disseminated pyrrhotite-chalcopyrite mineralization

Variable orientations on foliations and banding as well as small scale folding (Figure 7) are observed proximal to the Tache East showing. High strain textures are most prominent in rocks surrounding the swamp near the showing, and although, due to poor exposure, structural features are difficult to identify in the mineralized pits this is evidence that mineralized samples are also tectonized.

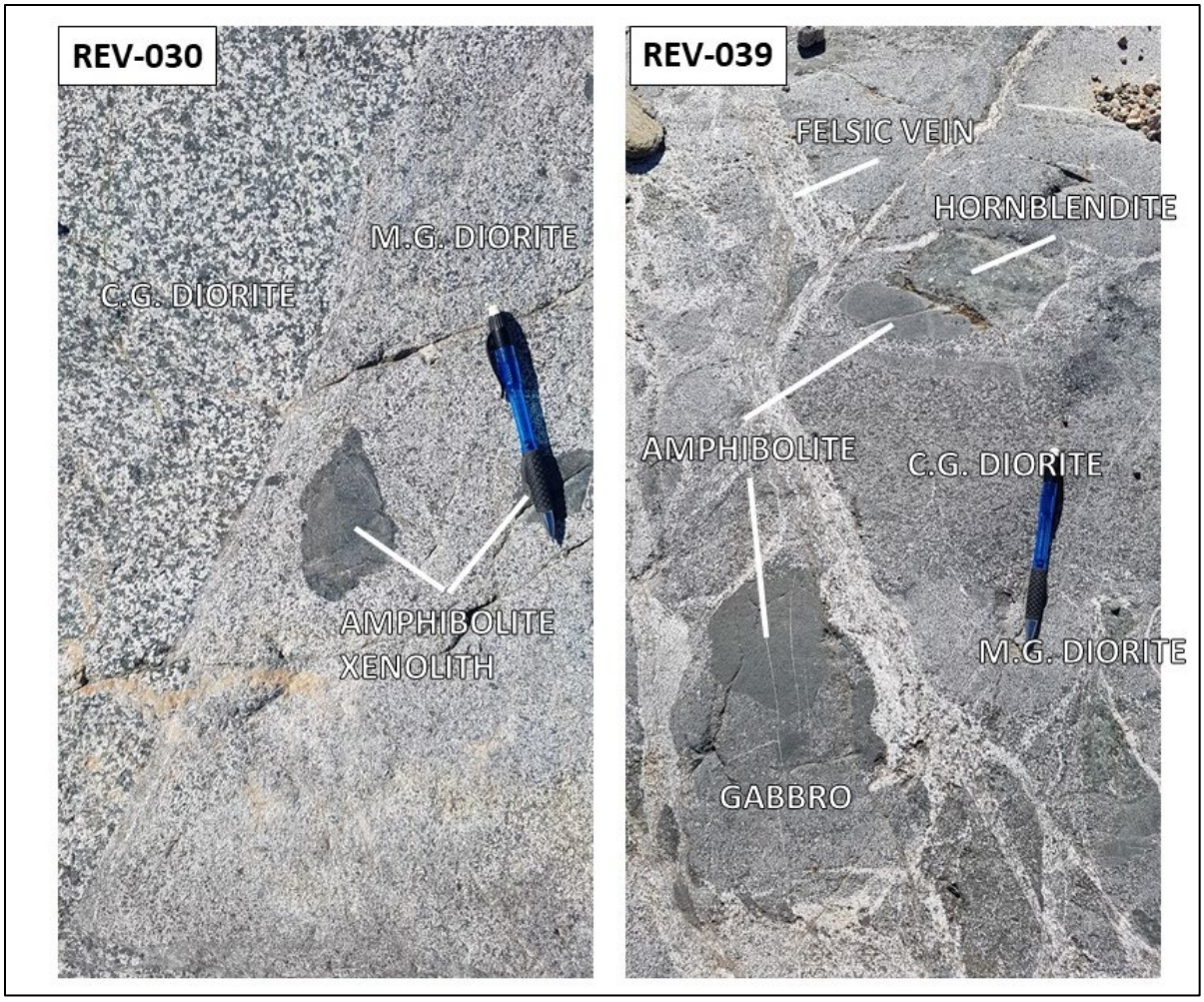


Figure 6: Field relationships within igneous breccias of the border zone.

Figure 7: Banded, folded hornblende melagabbro near the Tache East showing.

Tache West

The geology surrounding the Tache West showing is somewhat similar to Tache East, however rocks here are more evolved overall, with only one narrow band of peridotite observed. A brecciated and vari-textured diorite is found just south of the mineralized trench but sampling did not return any anomalous Cu-Ni-PGE mineralization. The Tache West trench exposes diorite, bands of mafic volcanics and a distinct, relatively fresh appearing gabbro. Sulfide mineralization is hosted within the gabbro phase as well as rusty mafic volcanics. Shearing is apparent within the volcanics but it is not certain whether the structure post dates the mineralized gabbro or if it is a relict structure in a xenolith.

To the SW of the Tache West showing interbanded gabbro-diorite and mafic volcanics continue to a N-S trending creek. Excellent outcrop exposure along the creek suggests a roughly N-S, anastomosing contact between the Revell border zone rocks and the mafic volcanics to the west.

Outcrop exposure is poor to the north of the Tache W trench, but sparse outcrops map the contact with the mafic volcanics as occurring very near the CPR rail line that transects the claim group.

Geochemistry

Major and Trace Elements

All samples were first plotted on a total alkali-silica plot to refine the number of rock types in the sample suite. Based on the plot rock types were then re-classified as either Granodiorite, Diorite, Gabbroic Diorite, Gabbro, Melanogabbro (Shown as Peridogabbro here), or Peridotite based on fields defined by Middlemost, 1994. Breccia samples retain the breccia suffix to help differentiate them from other samples within this classification.

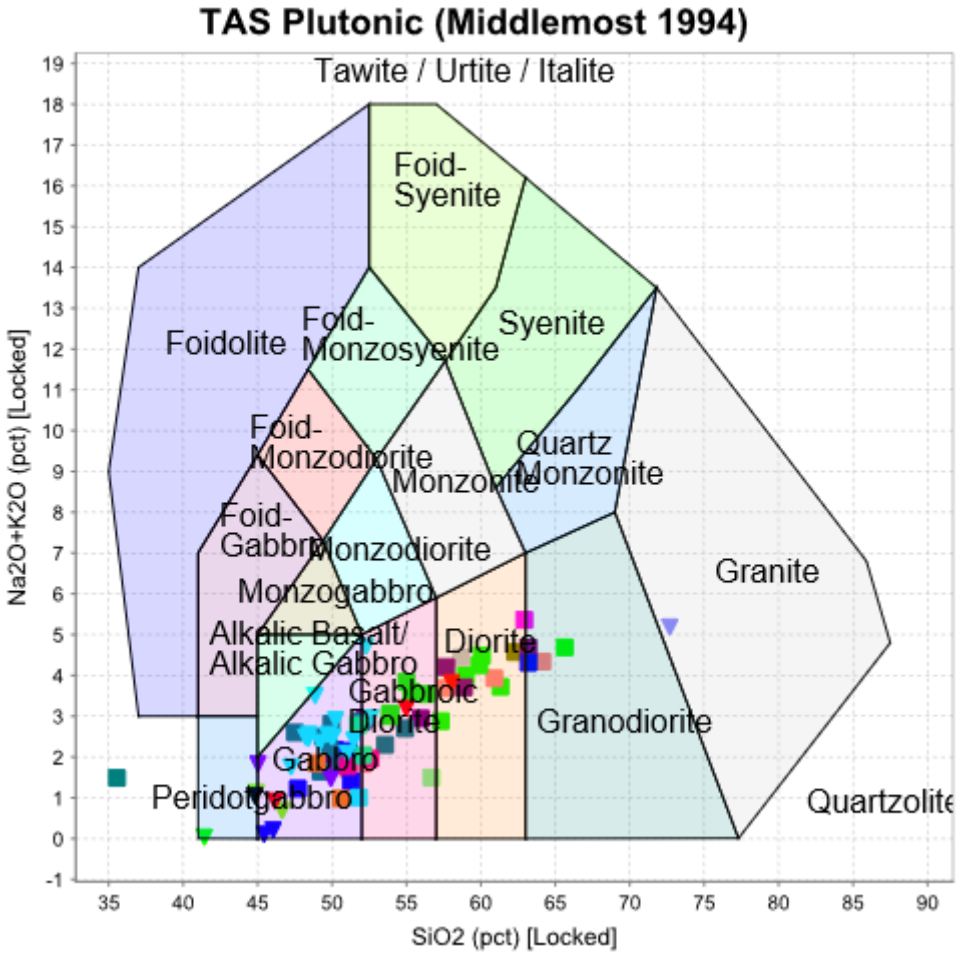


Figure 8: TAS plutonic discrimination diagram (Middlemost, 1994)

Binary plots of various elements vs. MgO are presented in Figures 9 & 10 below to illustrate mineralogical trends and controls on the Revell samples.

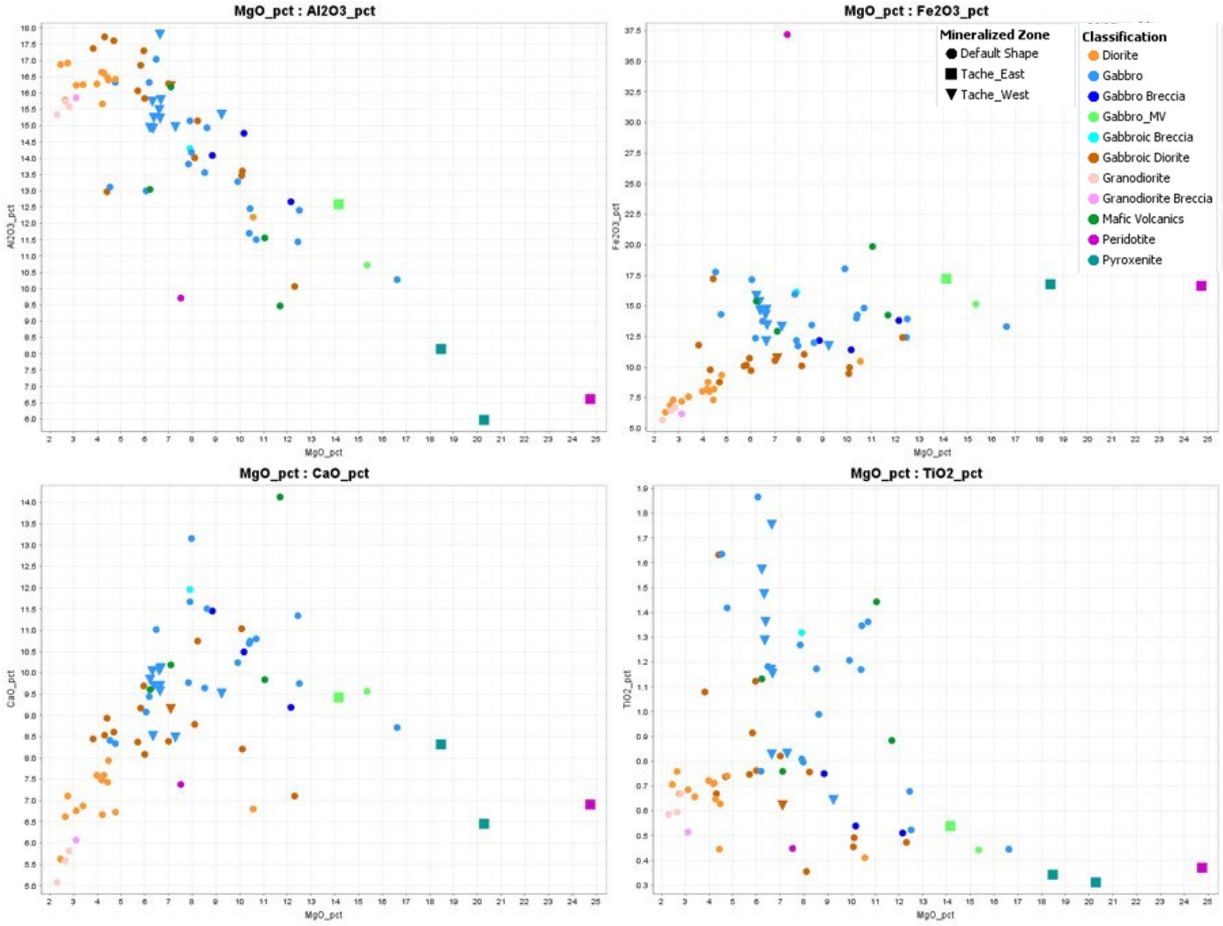


Figure 9: MgO variation diagrams: Al_2O_3, Fe_2O_3, CaO and TiO_2

Al_2O_3 and CaO show opposing trends, reflecting the strong control of plagioclase accumulation and anorthite fractionation on the samples. Fe_2O_3 increases linearly with MgO, reflecting crystal fractionation except for mineralized samples from Tache West which show a rapid increase in Fe_2O_3 at 6-7% MgO, likely reflecting observed pyrrhotite mineralization. One sample, logged as peridotite, has >37% Fe_2O_3 indicating significant accumulation of Fe-oxide.

An increase in TiO_2 is observed in the Tache West mineralized samples, possibly indicating the concurrent precipitation of Fe-Ti oxide with sulfide. Plotting TiO_2 vs Mg # shows a clearer differentiation between mineralized gabbro at Tache West and unmineralized diorite.

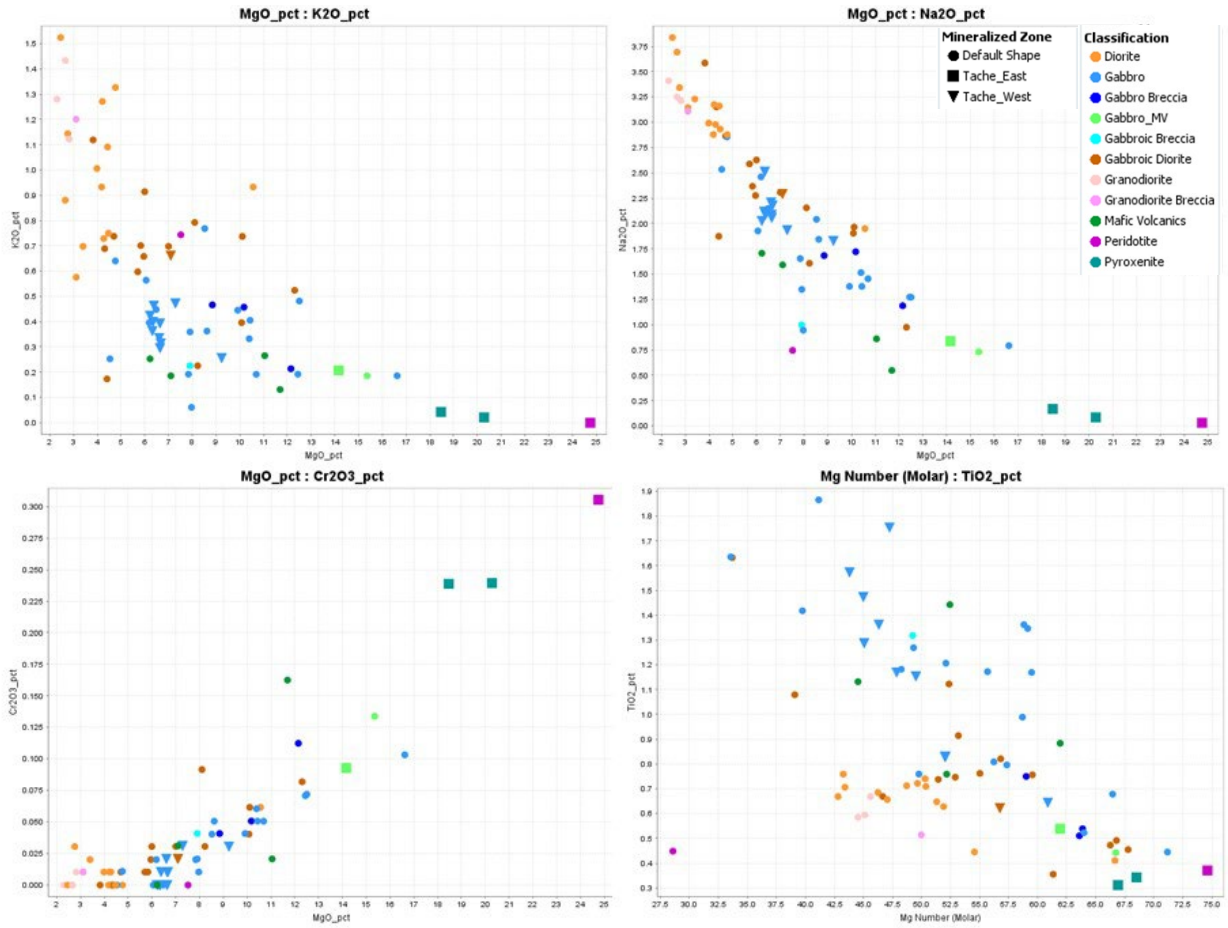


Figure 10: MgO variation diagrams: K_2O, Na_2O, Cr_2O_3 and TiO_2 vs Mg#

K_2O and Na_2O show trends of alkali enrichment with decreasing MgO, indicative of crystal fractionation. Slight scatter in K_2O likely indicates alteration and or crustal contamination of some samples. Cr_2O_3 is generally low, with most of the evolved samples plotting near detection limit. Mafic samples do not show any indications of significant Cr-oxide accumulation.

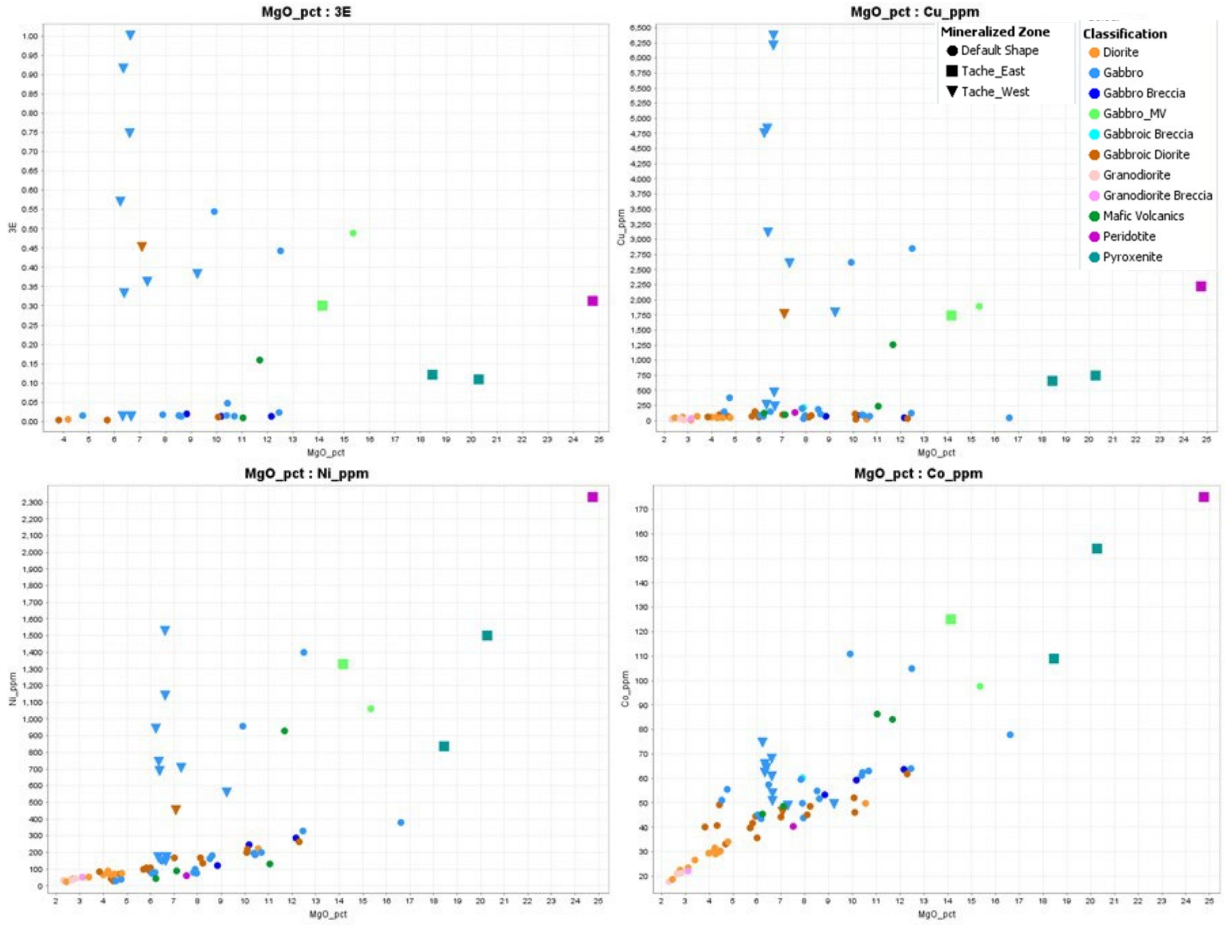


Figure 11: MgO variation diagrams: 3E (Au+Pt+Pd), Cu, Ni and Co

Precious and Base Metals

Plots of 3E PGE (Pt+Pd+Au), Cu, Ni and Co vs MgO are presented in Figure 11. There appears to be a strong lithological control on 3E PGE, Cu and Ni mineralization with the Tache West samples, apparent in samples with approximately 6-7% MgO. In contrast, the Tache East samples show more scatter for these parameters with compositions ranging from 14-28% MgO. Co increases with MgO but shows some sulfide control in the Tache East and Tache West samples.

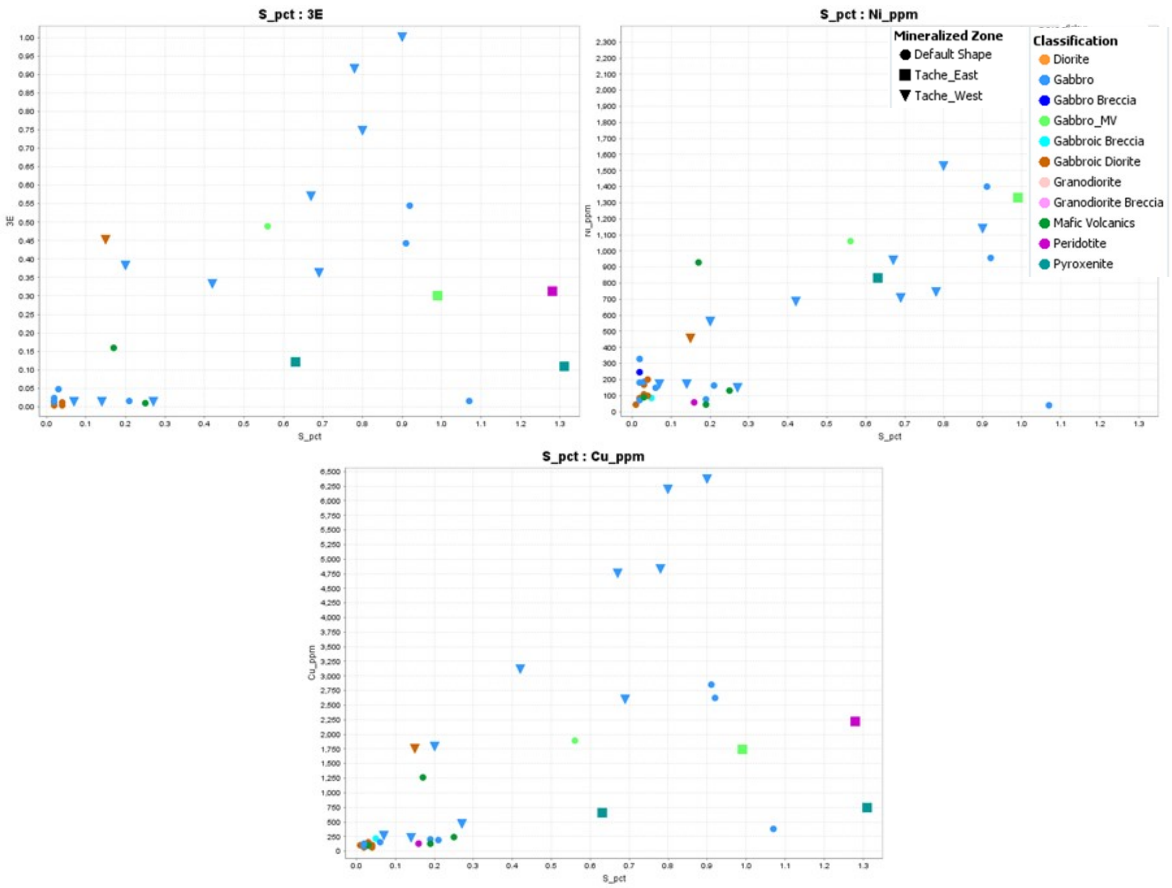


Figure 12: 3E (Au+Pt+Pd), Ni and Cu vs S binary plots

Plots of 3E PGE (Pt+Pd+Au), Cu and Ni vs S are presented in Figure 12. Sulfur shows fairly good control on 3E, Cu and Ni. These plots also indicate that Tache West samples appear to have higher Cu and PGE tenors while Ni tenors are nearly equal between the two sample locations.

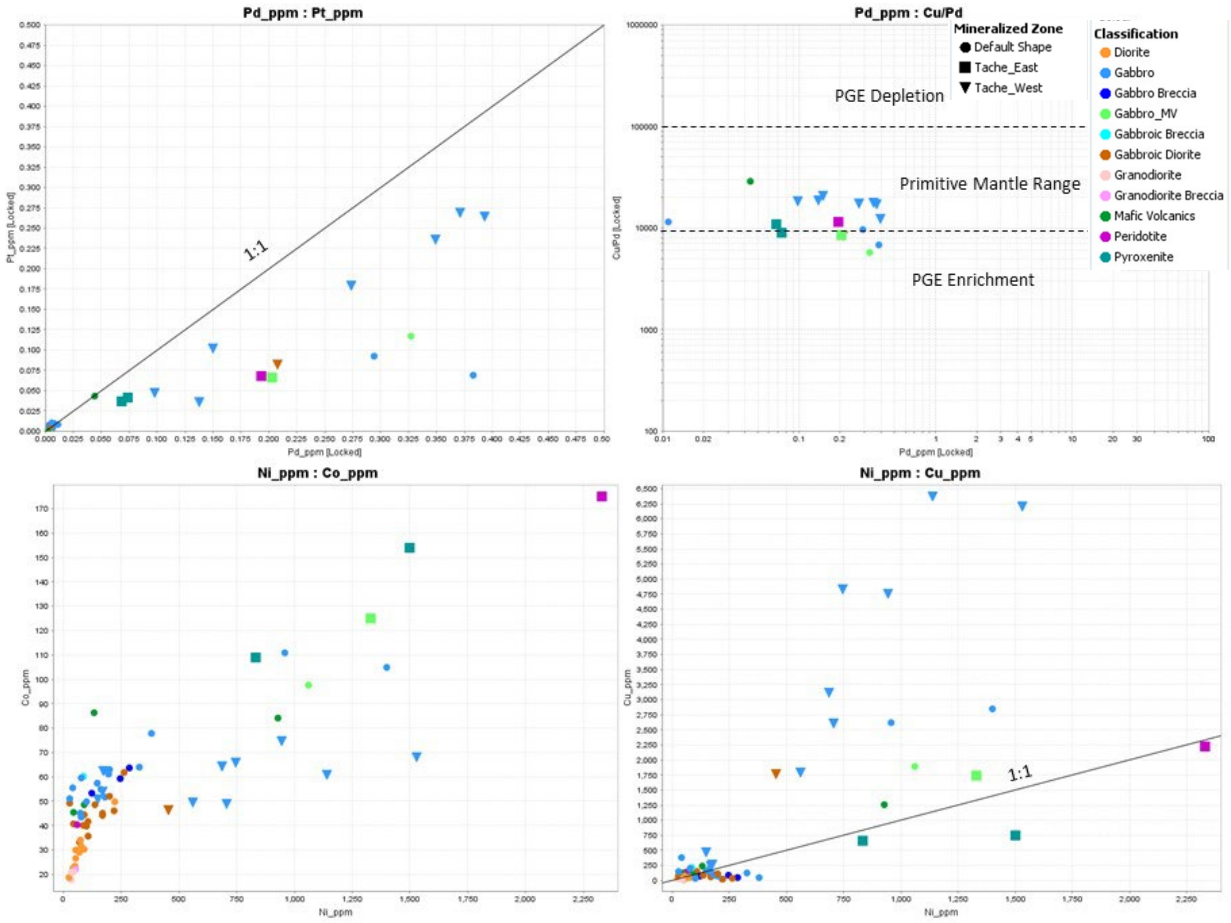


Figure 13: Pt vs Pd, Cu/Pd vs Pd, Ni/Co and Ni/Cu binary variation diagrams

Plots of Pt vs Pd, Cu/Pd vs Pd, Ni/Co and Ni/Cu are presented in Figure 13. Tache East and Tache West samples have Pt:Pd ratios >1, with Tache West being slightly more Pt enriched than Tache East. Cu/Pd vs Pd plots indicate mineralization with precious metal values consistent with a primitive mantle, to slightly enriched mantle source. Tache East samples show Co enrichment relative to Tache West. Tache West have noticeably higher Cu:Ni ratios than Tache East.

Rare Earth Element Geochemistry

Rare earth element (REE) geochemistry proved to be an excellent tool for chemically classifying the intrusive phases present on the Revell property. By analyzing the shapes of REE plots, information about the paragenetic history of the intrusive phases can be inferred. Five subgroups based on REE geochemistry have thus been identified, shown in Figures 14 – 16 below.

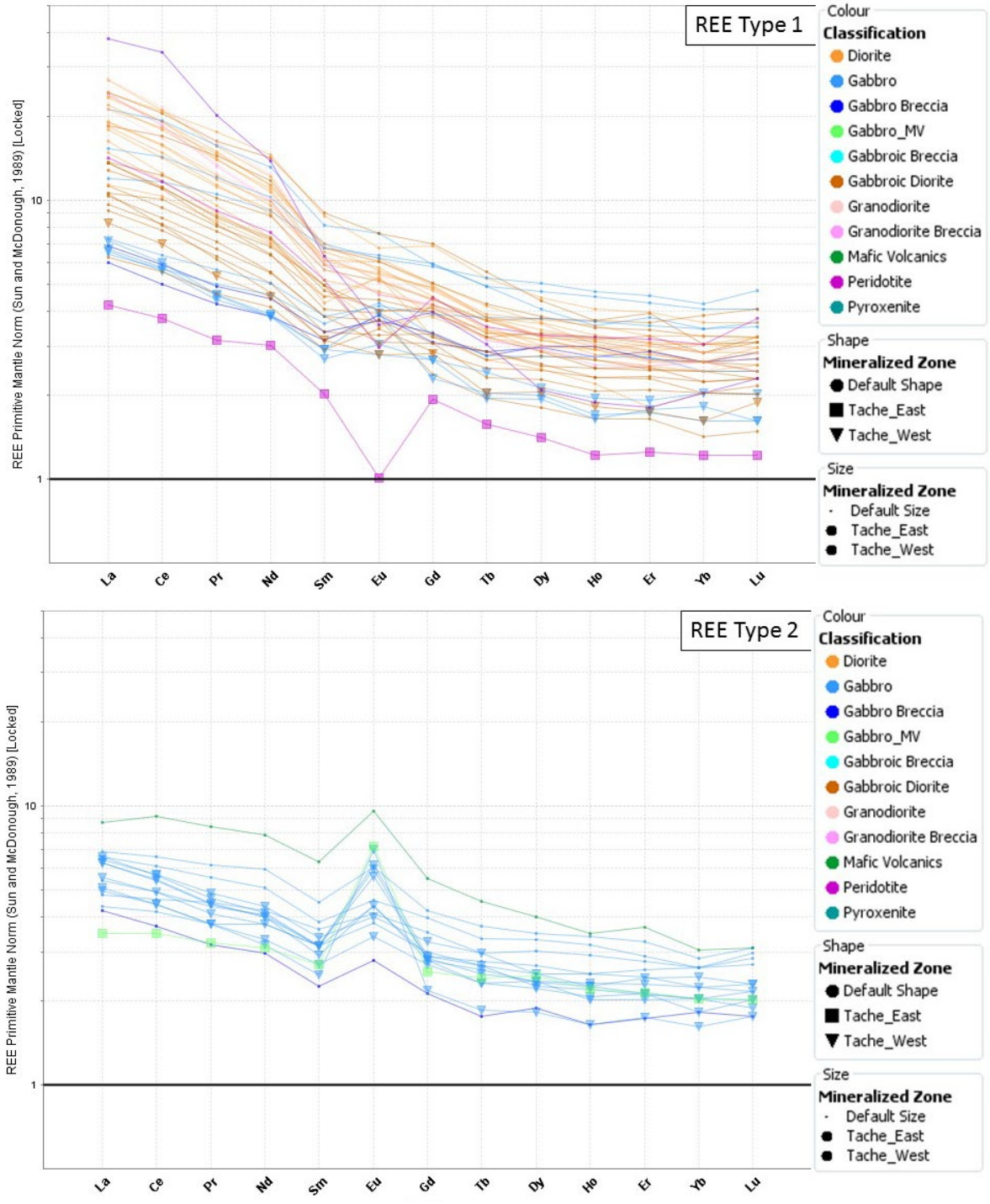


Figure 14: REE spider diagrams: Type 1 and Type 2 samples

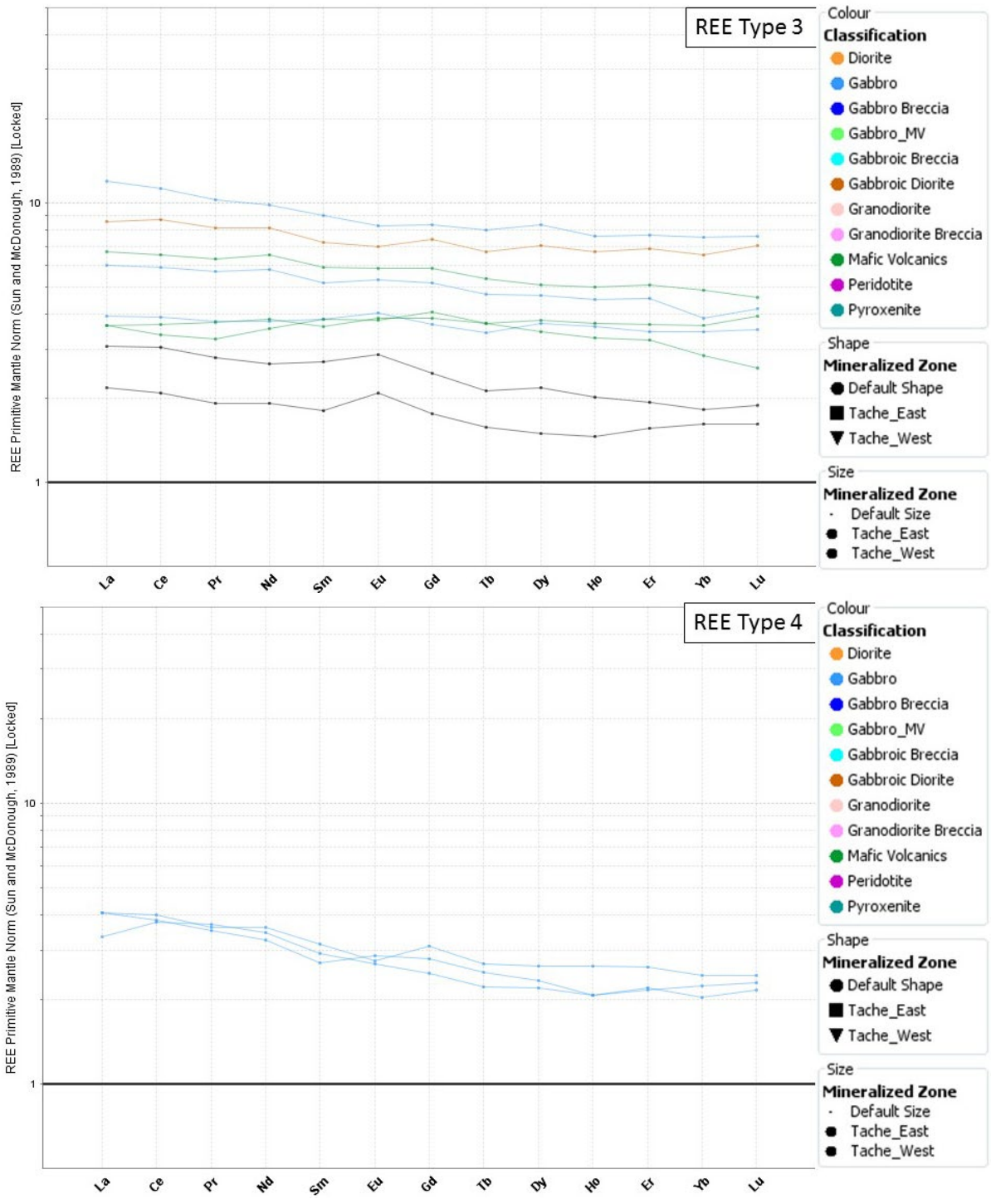


Figure 15: REE spider diagrams: Type 3 and type 4 samples

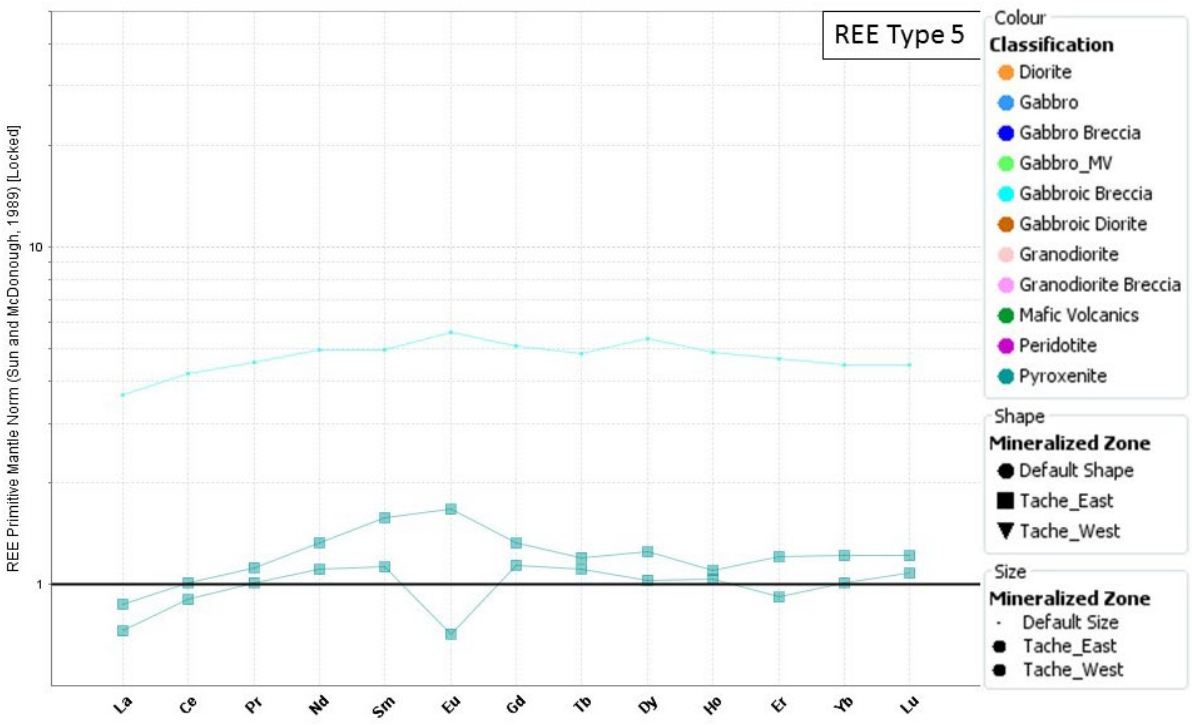


Figure 16: REE spider diagrams: Type 5 samples

Type 1 samples are the most enriched in REE and show the strongest LREE fractionation patterns. HREE are generally flat. A negative Eu anomaly is present in many of the samples. Rock types range from diorite-gabbro with MgO ranging from 2-12%.

Type 2 samples are similar to Type 1 but with lower overall REE abundances, weaker fractionation of LREE and positive Eu anomalies. Like type 1, HREE patterns are fairly flat. Rock types include gabbro, hornblende gabbro, peridotite, gabbro and diorite breccias and vari-textured diorite. REE patterns suggest that Type 1 and Type two suites could be sourced from a common Calc-Alkaline magma with type 2 representing plagioclase cumulates (+ Eu anomaly) and type 1 possibly representing plagioclase depleted differentiates (-ve Eu anomaly).

Type 3 samples have the flattest REE patterns, resembling patterns generated from Tholeittic source rocks. Rock types include mafic volcanic rocks and gabbro-pyroxenite samples from within the volcanic sequence. The similarity in REE geochemistry of these sample types suggest that the intrusive rocks are not sourced from the same magma as the Revell mineralized samples and are likely related to the volcanic rocks.

Type 4 samples are very similar to Type 3 but are slightly fractionated through the LREE. These samples may represent various degrees of mixing or contamination between Revell intrusive and volcanic rocks.

Type 5 rocks are represented by 3 samples, 2 of which are recorded as pyroxenite from the Tache E showing, and 1 from a diorite breccia in the Tache West area. These samples are similar to Type 4 but have a negative slope on the LREE. HREE patterns are flat and of similar abundance to Type 3. It is

possible these samples actually represent mafic volcanic xenoliths. LREE depletion may be reflecting strong hydrothermal alteration of the xenoliths as they are progressively incorporated into the magma.

The above REE element plots show that fractionation of LREE is a strong indicator of paragenetic changes in rock types at Revell. To investigate how this relates to mineralization, plots of La/Sm vs Ni and Cu are presented in Figure 17. The plots are powerful in that they seem to indicate two different processes which may control sulfide mineralization at Revell. Tache East mineralized samples have low La/Sm ratios, which as discussed above, are likely derived from contamination with nearby mafic volcanics. In contrast, Tache West mineralized rocks have La/Sm ratios that fall within the range observed in gabbro, diorite and granodiorite in the surrounding Revell border zone. This might suggest sulfide saturation was achieved without significant contamination of the surrounding country rock and may instead be driven by fractional crystallization of the magma itself.

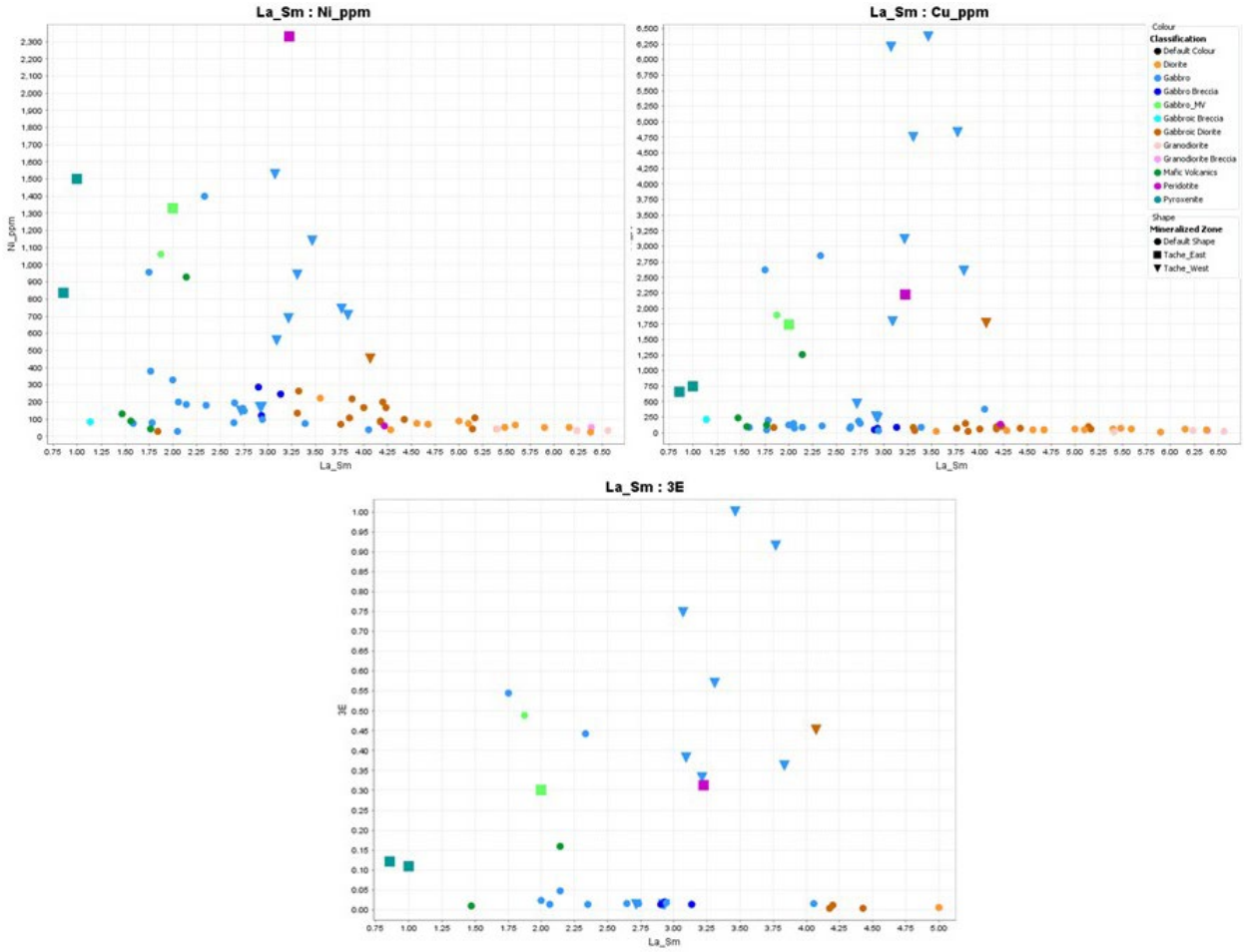


Figure 17: La/Sm vs Ni, Cu and 3E (Au+Pt+Pd)

Conclusions

The Revell property is underlain by 3 main groups of rocks: Felsic plutonic rocks of the Revell Batholith, dioritic to ultramafic intrusives and magmatic breccias of the Border Zone, and Mafic Volcanic rocks. All rock types have been subjected to deformation and regional metamorphism which has resulted in the development of strong foliations and compositional banding, and local folding. The Border Zone breccias contain xenoliths of strongly altered country rock mafic volcanics as well as gabbroic-melanogabbroic intrusives that have been brecciated by later dioritic melts. Rocks of the Revell batholith and the Revell border zone have trace element patterns indicating they are sourced from a similar, Calc-Alkaline mantle source. Mafic volcanic rock samples, in contrast, indicate a distinct Tholeittic source.

Confirmatory sampling at the Tache West showing returned comparable values to historic grab and diamond drill sampling. Samples from Tache East are slightly lower grade, but this could reflect the current poor exposure of the test pits which were bulk sampled historically.

Recommendations

Initial exploration work on the Revell property has indicated that the geological environment is favourable for the development of magmatic Cu-Ni-PGE mineralization. Investigation of the known showings has indicated a fairly limited strike extent for both the Tache East and Tache West mineralization. Future work should look to identify additional targets along the prospective contact zone between the two showings. Discovery of any additional, untested mineralization would greatly enhance the prospectivity of the property. The following work program is therefore recommended:

1. Airborne Electromagnetic survey: Currently only airborne magnetic data is publicly available for the Revell property, derived from GDS 1037, Ontario Airborne Geophysical Surveys Magnetic Supergrids; Red Lake-Stormy Lake Supergrid. A high quality airborne electromagnetic survey would allow the contact between the mafic volcanics and the Revell batholith to be screened for any potential conductors associated with magmatic sulfide accumulations.
2. Ground truthing, prospecting, geological mapping and sampling: Follow up workers will investigate any areas of interest quickly and efficiently along the 11 km long contact zone.
3. Trenching: Trenching of any new showings, or unexplained geophysical anomalies may help generate additional targets for further investigation.

Signatures

Steven D. Flank, M.Sc., P.Geo.
124 Sherwood Drive
Thunder Bay, ON
P7B 6L1

I, Steven D. Flank, of the City of Thunder Bay, in the Province of Ontario, do herby certify that:

1. I am a consulting geologist and president of Bayside Geoscience Inc., an exploration services company with a certificate of authorization from the Association of Professional Geoscientists of Ontario (#90348)

2. I am a member in good standing with the Association of Professional Geoscientists of Ontario (#2695).

3. I attained an H.BSc. in Geology from Lakehead University in Thunder Bay, Ontario (2011) and an M.Sc. in Mineral Exploration from Laurentian University in Sudbury, Ontario (2017). I have worked as an exploration geologist for over 7 years focussing on Au and Ni-Cu-PGE projects, including North American Palladium's Sunday Lake Intrusion and Noront Resources' Eagle's Nest deposit in the Ring of Fire.

5. I did personally conduct and field operations for the 2018 Revell Prospecting Program.

6. I have based my interpretations and recommendations in the preceding report on my professional experience, my personal knowledge of the property, and the information available to me at the time of writing.

Dated at Thunder Bay, Ontario, this 26th day of Novmeber, 2018.

Steven D. Flank, M.Sc., P.Geo.

Appendix A: Revell Claim Cells

Township / Area	Tenure ID	Tenure Type	Anniversary Date	Tenure Percentage	Work Required	Total Reserve
HODGSON,HYNDMAN	508705	Single Cell Mining Claim	2020-04-10	100	400	0
HODGSON,HYNDMAN	508710	Single Cell Mining Claim	2020-04-10	100	400	0
HODGSON,HYNDMAN	508712	Single Cell Mining Claim	2020-04-10	100	400	0
HODGSON,HYNDMAN	508715	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508692	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508693	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508695	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508696	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508700	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508701	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508702	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508703	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508704	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508706	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508707	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508708	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508709	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508711	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508713	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508714	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508716	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508717	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN	508718	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508685	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508689	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508691	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508694	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508697	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508698	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	508699	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	509325	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	509326	Single Cell Mining Claim	2020-04-10	100	400	0
HYNDMAN,REVELL	509327	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508249	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508250	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508251	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508252	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508253	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508254	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508255	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508256	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508257	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508258	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508259	Single Cell Mining Claim	2020-04-10	100	400	0

Township / Area	Tenure ID	Tenure Type	Anniversary Date	Tenure Percentage	Work Required	Total Reserve
REVELL	508260	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508261	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508262	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508263	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508264	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508265	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508266	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508267	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508268	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508269	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508270	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508271	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508272	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508682	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508683	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508684	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508686	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508687	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508688	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	508690	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	509321	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	509322	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	509323	Single Cell Mining Claim	2020-04-10	100	400	0
REVELL	509324	Single Cell Mining Claim	2020-04-10	100	400	0

Appendix B: Prospecting Stations and Sample Locations

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-001	562621	5488271	422		2018-08-07	Granodiorite							Trail alongside pipeline. Scattered outcrops of white, c.g. massive granodiorite.
REV-002	563257	5488807	432		2018-08-07	Diorite	Fol	29					Grey, equigranular, m.g. weakly foliated mafic intrusive. 35% equant amphibole, 65% white feldspar.
REV-003	562430	5489004	433		2018-08-07	Granodiorite							Roadside outcrop. White-black m.g-c.g., foliated. Quartz-plagioclase-biotite+amphibole.
REV-004	563180	5488930	434		2018-08-07	VT-Diorite	Fol	245					Gravel pit outcrop (<5m2). Grey varitextured diorite. Clasts of c.g, more mafic diorite withing m.g. matrix.
REV-005	556454	5492629	415		2018-08-08	Granodiorite							Outcrop on egde of lowlying swampy area. Biotite, plagioclase, quartz bearing. C.g. foliated.
REV-006	556416	5492700	421	E1590060	2018-08-08	Granodiorite							High standing ground shows sporadic outcrop along a 20mx20m area. Foliated granodiorite as above. Slightly more mafic here with 30% bt+amph.
REV-007	556342	5493026	420	E1590061	2018-08-08	VT-Diorite							Low lying outcrop on ridge near Tache showing. Small exposure of varitextured diorite. Felsic dioritic matrix with diffuse pods-patches of amphibole rich, more mafic, finer grained material.
REV-008	556349	5493010	417	E1590062	2018-08-08	Feldspar Porphyritic Dyke	Fol	1		Lin	28	-3	Western edge of same outcrop. Feldspar porphyritic unit with f.g. black anhedral groundmass. Possibly mafic volcanic?
REV-009	556372	5493017	420		2018-08-08	Diorite	Fol	35	3				Strongly foliatedc biotite rich diorite.
REV-010	556396	5493102	421		2018-08-08	Diorite	Fol	278	85				East side of topo high. Strongly foliated to sheared diorite similar to REV-008 but less prominent porphyritic texture.
REV-011	556385	5493031	421		2018-08-08	Diorite							Low lyin outcrop just 5m north of Tache W trench. M.g. diorite as found in north portion of trench.
REV-012	556298	5492997	421	E1590063	2018-08-08	VT-Diorite	Dyke	27					Weakly varitextured diorite. Minor diffuse enclaves fo amphibole rich material. Matrix and bulk of outcrop is m.g. diorite as observed in the Tache W trench.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-013	556241	5492982	416	E1590064	2018-08-08	Diorite	Fol	6	76				10m x 4m E-W trending outcrop. Strongly sheared/schistose. Schistosity defined by feldspar porphyroclast and mica orientation. Moderate ankerite alteration along foliation in places. Quartz veins are shear parallel and show open folding on rubble sam
REV-014	556241	5492982	416	E1590065	2018-08-08	Quartz Vein	Vein	255					
REV-015	556218	5492973	419		2018-08-08	Mafic Volcanic Breccia							Further west along same outcrop as 014. Massive texture overall. Mixture of f.g. masive mafic volcanics and coarser, schisty chlorite and plagioclase (Diorite?). Not very good exposure here.
REV-016	556194	5492969	419		2018-08-08	Diorite							M.g. massive diorite.
REV-017	556149	5492943	421		2018-08-08	Diorite							F.g. massive diorite. Could be mafic volcanic in places.
REV-018	556148	5492933	418	E1590066	2018-08-08	Diorite	Fol	7					M.g. massive to weakly foliated diorite. Foliation confined to cm scale bands.
REV-019	556170	5492843	414		2018-08-08	Mafic Volcanic	Ct	346	8				Long outcrop along shoreline of river. Station taken near south most exposure. Sharp contact between mafic volcanics to the west and diorite to the east.
REV-020	556155	5492853	415	E1590067	2018-08-08	Mafic Volcanic							Riverside outcrop of massive mafic volcanics. Weak cm scale felsic veins of (possible diorite injections). Strongly jointed but difficult to see good foliations. Sampled felsic vein within volcanics with 0.5% pyrite.
REV-021	556109	5492911	417		2018-08-08	Mafic Volcanic	Fol	285	65				Outcrop along river between here and 020 is all mafic volcanics. Weakly foliated.
REV-022	556078	5492938	417		2018-08-08	Diorite							Contact between diorire to the east and mafic volcanics to the west. Contact orientation is obscured by overburden.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-023	556024	5492981	412	E1590068	2018-08-08	Quartz Vein	Fol	11	5				Strongly foliated and in places sheared mafic volcanics. Some interbanded diorite dykes are observed. Unit is possibly silicified with rare quartz veins. Veins are parallel to foliation. Sampled quartz vein material.
REV-024	556049	5493030	420	E1590069	2018-08-08	Diorite							Large hill outcrop. Fresh mafic diorite. Amphibole rich. Biotite poprhyroblasts observed.
REV-025	556178	5493118	427		2018-08-08	Mafic Volcanic							Small exposure on top of hill of massive mafic volcanics.
REV-026	556311	5493233	417		2018-08-08	Mafic Volcanic							Small outcrop of mafic volcanics. Possible vesicular texture.
REV-027	556446	5493123	418		2018-08-08	Mafic Volcanic							Massive mafic volcanics alongside trail. Small outcrop.
REV-028	556421	5493079	420		2018-08-08	Diorite	Fol	27	85				Dominantly leucocratic diorite . Massive plagioclase and amphibole. Narrow discreet shears present.
REV-029	556459	5492957	419	E1590070	2018-08-08	Diorite Breccia							Outcrop is diorite dominant but narrow enclaves of amphibolite. Amphibolite clasts could be similar to mafic volcanics in trench.
REV-030	563233	5488911	434		2018-08-09	Diorite Breccia	Band	16		Fol	133	82	Scattered outcrop across gravel pit on southern side. 3 phase varitextured diorite: Medium grained felsic diorite, coarse grained more mafic diorite/gabbro, and fine grained amphibolite. C.g. gabbroic phases appears to be derived from melting of f.g. a
REV-031	563273	5488888	439	E1590071	2018-08-09	Hornblende Gabbro	Fol	235	76				Outcrop on edge of gravel pit. More mafic, hornblende gabbro observedâ€¦ similar to c.g phase above? Oxide bearing, with 2cm 'bleb' of magnetite observed. Weakly fliated
REV-032	563237	5488843	436	E1590072	2018-08-09	Diorite							West side of large outcrop south of gravel pit. Sampled m.g massive diorite. 60% plagioclase, 40% amphibole + biotite.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-033	563219	5488859	438	E1590073	2018-08-09	Diorite Breccia							Interbanded mafic volcanic, observed as a band of f.g, foliated amphibolite. Trace pyrite near contact with hornblende gabbro.
REV-034	563219	5488859	438	E1590074	2018-08-09	Hornblende Melagabbro							Same location as 033. Hornblende gabbro to nearly hornblendite in composition. 60% hornblende, 10% actinolite, 30% plagioclase.
REV-035	563240	5488855	438	E1590075	2018-08-09	Diorite Breccia							Sampled contact between mafic xenolith and diorite. Diffuse contact between units.
REV-036	563264	5488858	438	E1590076	2018-08-09	Diorite							M.g. massive diorite. 50/50 plagioclase/hornblende.
REV-037	563289	5488864	437		2018-08-09	Diorite							C.g.-m.g. massive diorite. 60/40 plagioclase/hornblende.
REV-038	563298	5488882	437	E1590077	2018-08-09	Diorite							Station at east most outcrop in clearing. 60/40 plagioclase hornblende. C.g-m.g. we weak diffuse xenoliths of amphibolite.
REV-039	563303	5488989	432		2018-08-09	Diorite Breccia							Strongly brecciated diorite. Xenoliths are gabbroic, hornblendite rich and amphibolite. Late felsic dykes observed.
REV-040	563311	5488985	433		2018-08-09	Diorite Breccia							Close to station 039, 10cm wide rusty hornblende clast with trace pyrite mineralization. Can't sample on flat outcrop.
REV-041	563307	5488953	433		2018-08-09	Diorite							South most extent of outcrtop. Rock is more chaotic and strongly varitextured than previous stations. Rare rounded clasts of hornblende gabbro.
REV-042	563363	5488960	435	E1590078	2018-08-09	Diorite							SSE extente of large outcrop. To the east and south east it is massive diorite, while to the NNE it is more varitextured.
REV-043	563342	5488971	436	E1590079	2018-08-09	VT-Diorite							Varitextured zone. Mafic amphibolite fragments are present but exposure here is not great.
REV-044	563360	5489001	433	E1590080	2018-08-09	VT-Diorite							Banded diorite. Mafic and felsic domains appear tectonized here.
REV-045	563378	5488816	434		2018-08-09	Diorite							M.g. diorite. One small clast observed which is bright green, rounded and soft. Poor exposure.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-046	563353	5488805	435	E1590081	2018-08-09	Diorite Breccia	Fol	18	8				Foliated diorite. Foliation defined by clast elongation and weak fabric in amphibole.
REV-047	563412	5488769	434	E1590082	2018-08-09	Quartz Vein							Blast pit with abundant quartz material in dump piles. Vein orientation is difficult to tell and might be a rounded 'blowout'? Vein intrudees diorite.
REV-048	563436	5488795	439	E1590083	2018-08-09	Sheared Diorite	Fol	11	9				Massive to locally foliated diorite. Shear zone at southern edge of outcrop in m.g.-diorite to hornblende gabbro. 50/50 plagioclase/amphibole and locally micaceous.
REV-049	563488	5488793	433	E1590084	2018-08-09	Diorite	Fol	18	9				Large outcrop of fairly monotous hornblende diorite. Locally foliated/sheared.
REV-050	563519	5488832	431	E1590085	2018-08-09	Quartz Diorite							Series of outcrops with <10m of exposure. All diorite. Slight variations in grain size but generally homogenous. 50% hornblende+biotite, 40% plagioclase, 10% quartz.
REV-051	563493	5488856	435		2018-08-09	Quartz Diorite							Leucocratic, with only 30% amphibole+biotite.
REV-052	563501	5488865	436	E1590086	2018-08-09	Diorite	Fol	118					Larger outcrop visible on air photo. More mafic here. NO quartz. 50/50 hornblende/plagioclase. Band of amphibolite observed.
REV-053	563620	5488936	429	E1590087	2018-08-09	VT-Diorite	Fol	12					Large outcrop near train tracks. Bands of feldpar porphyritic unit define compositional banding or possibly late dyking.
REV-054	563321	5488538	432	E1590088	2018-08-09	Hornblende Gabbro	Fol	355	2	33			Locally sheared and folded horblende gabbro. Quite mafic overall. Possible axial planar cleavage to folds at 355.
REV-055	563301	5488493	433	E1590089	2018-08-09	Hornblende Melagabbro							Low lying exposure beside open fen area. <3mx3m exposed. Much more mafic here than previous units. 60-70% m.g. black -green hornblende and interstitial plagioclase.
REV-056	563321	5488479	437	E1590090	2018-08-09	Hornblende Melagabbro							Another low lying outcrop as in station 055. 60-70% equant hornblende and 30-40% milky white plagioclase.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-057	563339	5488446	438	E1590091	2018-08-09	Hornblende Gabbro							Low lying outcrop of weakly varitextured diorite/hornblende gabbro? 55/45 hornblende/plagioclase.
REV-058	563284	5488515	437	E1590092	2018-08-09	Hornblende Melagabbro	Fol	324	8				Low lying outcrop of hbl. Melagabbro-hornblendite. Strongly foliated, with elongated xenoliths of white/gree material. Trace pyrite.
REV-059	563270	5488543	438	E1590093	2018-08-09	Hornblende Melagabbro	Fol	145	7				Strongly foliated to banded hbl.melagabbro-diorite. Comositional layering, with abundant mica/biotite.
REV-060	563152	5488323	433		2018-08-10	Diorite							Low lying outcrop along trail beside pipeline looks like mafic volcanics. Slightly recrystallized.
REV-061	563138	5488376	433		2018-08-10	Diorite							Small ridge outcrop of mg.. Diorite. 65% feldspar including k-spar.
REV-062	563157	5488409	435		2018-08-10	Quartz Diorite							Flat outcrop in open area on satellite image. M.g. foliated quartz diorite.
REV-063	563190	5488429	435		2018-08-10	Quartz Diorite							Quartz diorite as above.
REV-064	563157	5488492	434	E1590094	2018-08-10	Hornblende Gabbro	Fol	11					25m long E-W trending outcrop of mafic hornblende gabbro. Foliated.
REV-065	563249	5488529	437	E1590095	2018-08-10	Hornblende Melagabbro	Band	332	9				Low lying outcrop along eastern margin of swamp. M.g-c.g. black-white with 60-65% amphibole-hornblende + minor biotite. 35-40% interstitial plagioclase. Compositional banding defines a weak foliation.
REV-066	563245	5488452	438	E1590096	2018-08-10	Diorite							Low lying outcrop of m.g. diorite. Note a few small amphibolite xenoliths.
REV-067	563237	5488389	441		2018-08-10	Quartz Diorite							2m2 outcrop of biotite rich quartz diorite or granodiorite.
REV-068	563293	5488384	442		2018-08-10	Quartz Diorite							Low lying outcrop on edge of treeline. M.g. weakly foliated quartz diorite.
REV-069	563389	5488433	442	E1590097	2018-08-10	Hornblende Melagabbro	Ct	13	78				50cm wide dyke/band of hornblende melagabbro on south edge of large outcrop of diorite.
REV-070	563415	5488477	441		2018-08-10	Quartz Diorite							Outcrop on edge of trealine. Ridge of diorite to gabbro. F.g.-m.g. and foliated.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-071	563480	5488552	440		2018-08-10	Diorite Breccia	Fol	32	9				15m long SE trending ridge of diorite. Looks gabbroic in places but averages 50/50 plagioclase/amphibole.
REV-072	563459	5488583	439		2018-08-10	Diorite	Band	135		154			Outcrop along south side of overgrown trail. Strongly foliated diorite. Fairly mafic here. With elongated amphibolite clasts. Two foliations observed.
REV-073	563512	5488548	436	E1590098	2018-08-10	Hornblende Gabbro							Equigranular, m.g. 55/54 hornblende/plagioclase. Plagioclase is cumulus, not interstitial. 1% magnetite and 0.5% f.g. dis pyrite.
REV-074	563518	5488626	437		2018-08-10	Hornblende Melagabbro	Fol	278					Banded hornblende melagabbro to mafic diorite. Bands are compositionally and texturally distinct. Could be strained varitextured unit.
REV-075	563503	5488697	429	E1590099	2018-08-10	Hornblende Melagabbro	Fol	92		18			Large outcrop on south side of swamp. Outcrop is broken into two parts. Mafic hornblende rich breccia to the north and hornblende melagabbro to the south. Folding shows early 92 degree F2 foliation, and pervassive 108 degree S3.
REV-076	563518	5488683	430		2018-08-10	Hornblende Melagabbro							Mafic hornblende melagabbro breccia with minor felsic domains forming matrix of breccia.
REV-077	563552	5488653	432		2018-08-10	Diorite Breccia	Fol	11					Varitextured/brecciated zone. Felsic matrix is dominant over mafic xenoliths. Xenoliths are both amphibolite and hbl gabbro. East part of outcrop is massive diorite. Hornblende orientation defines foliation.
REV-078	563574	5488666	433	E1590100	2018-08-10	Diorite Breccia							Outcrop on prominent N-S ridge (fault?). Felsic breccia as above. Angular, stretched clasts of mafic material in diorite matrix. Sampled mafic band/clast from west side of outcrop where melagabbro and amphibolite bands are present.
REV-079	563594	5488693	436		2018-08-10	Gabbroic Breccia	Band	11		138			Mafic breccia on east side of outcrop. Becomes felsic to the west. Mineral orientation defines S2 while banding defines S3.

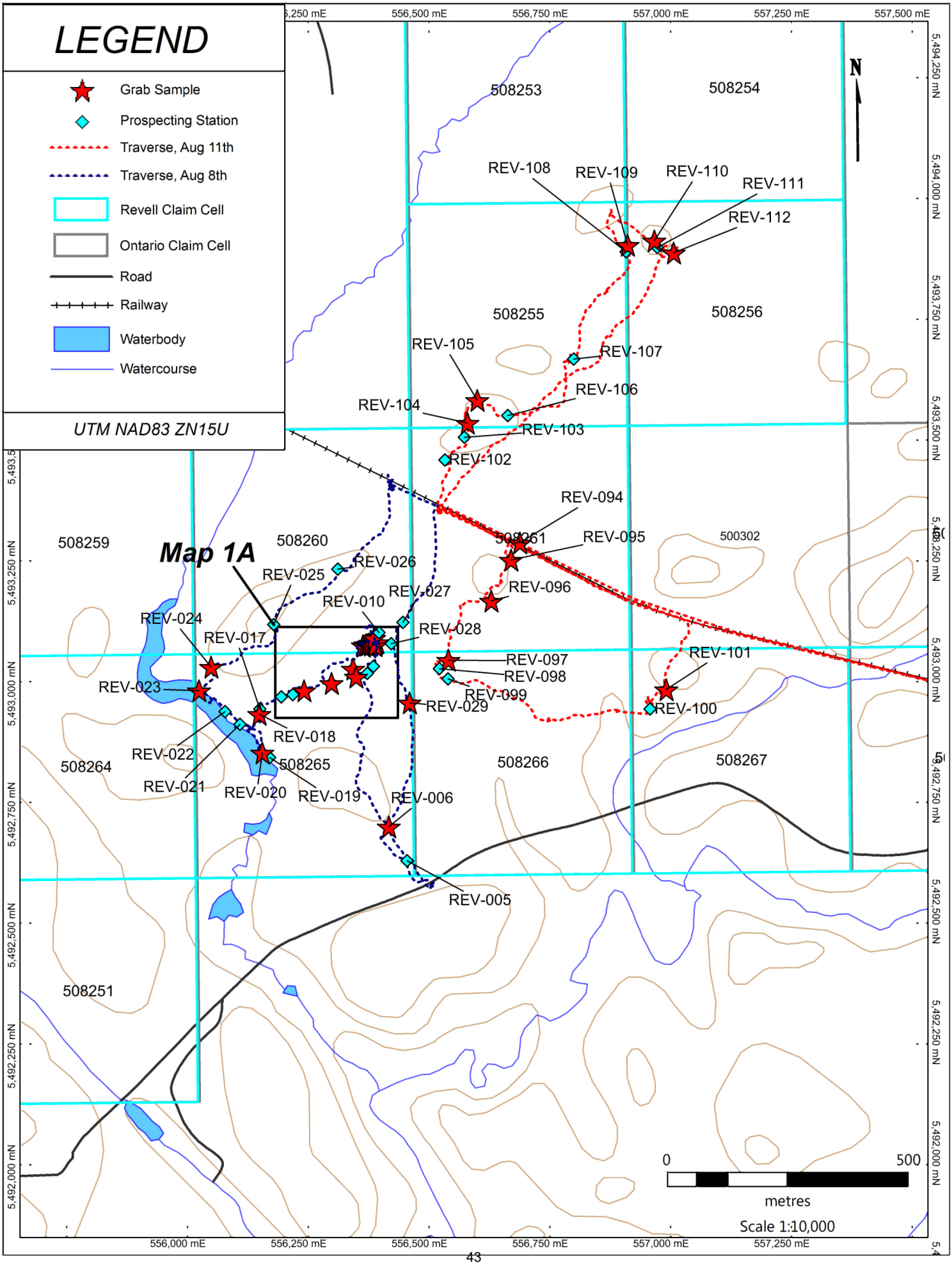
Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-080	563615	5488695	434		2018-08-10	Diorite Breccia	Band	162		181			Large open outcrop with a lot of lichen. Quartz diorite-breccia. Minor amounts of angular, f.g., green amphibole fragments. Hard to tell but might be opposing foliations here.
REV-081	563667	5488681	437		2018-08-10	Quartz Diorite	Band	152		11			Interbanded amphibolite and quartz diorite. Banding defines S2 and mineral orientation defines S3.
REV-082	563693	5488629	438		2018-08-10	Hornblende Gabbro	Band	148					Banded mafic diorite to hornblende gabbro. Lesser bands of quartz diorite.
REV-083	563645	5488620	438		2018-08-10	Quartz Diorite							Ridge outcrop of quartz diorite. M.g., massive to weakly foliated.
REV-084	563591	5488579	437		2018-08-10	Quartz Diorite	Band	155		11			Outcrop on south side of swamp. Weakly foliated.
REV-085	563570	5488549	436		2018-08-10	Diorite							Similar to REV-084. Sampled bands of gabbroic material within diorite.
REV-086	563523	5488407	435	E1590101	2018-08-10	Hornblende Melagabbro	Fol	14					Mixed mafic volcanic (amphibolite-chlorite) and melagabbro-hornblende rich. Angular clasts within intrusive matrix. 1% ds pyrite. Foliation defined by clast orientation.
REV-087	563511	5488400	438	E1590102	2018-08-10	Hornblendite							South end of outcrop is ultramafic/hornblende rich. Schisty. M.g.-c.g.
REV-088	563431	5488302	446		2018-08-10	Mafic Volcanic	Fol	13					Flat outcrop along pipeline trail. Foliated, green-black mafic volcanics-amphibolite.
REV-089	563348	5488286	443		2018-08-10	Diorite Dykes							Contact breccia? Amphibole clasts cut by irregular diorite dykes.
REV-090	563215	5488305	442		2018-08-10	Diorite Breccia							Flat outcrop on pipeline trail. Mafic volcanic breccia with diorite breccia.
REV-091	563828	5488231	438		2018-08-10	Mafic Volcanic							Outcrop of sulfiic mafic volcanics on pipeline trail. Tuffaceous.
REV-092	564123	5488201	441	E1590103	2018-08-10	Mafic Volcanic	Fol	127		11	9		Outcrop along pipeline. Strongly foliated to schisty mafic volcanic tuff-lapilli tuff. Amphibole rich with felsic veining parallel to foliation.
REV-093	564258	5488111	445		2018-08-10	Mafic Volcanic	Fol	13	78				Large outcrop beside pipeline. Pervassive foliation.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-094	556688	5493288	409	E1590104	2018-08-11	Hornblendite	Ct	13	8				Railway side outcrop. Mafic volcanics with bands/dykes of hornblende gabbro diffusely intruding. Sampled hornblende gabbro. Trace pyrite
REV-095	556670	5493252	416	E1590105	2018-08-11	Diorite							South side of outcrop along rail tracks. Rock type changes across outcrop. Mixed mafic volcanics and horblende gabbro. Sampled gabbroic phase.
REV-096	556628	5493167	414	E1590106	2018-08-11	Hornblende Gabbro							Ridge outcrop of failry homnogenous mafic diorite. 55% plagioclase, 45% hornblende. White-green colour.
REV-097	556540	5493045	417	E1590107	2018-08-11	Diorite Breccia	Fol	233	66	111	76		Low lying outcrop near edge of fen. Mixture of strongly foliated diorite and amphibole rich xenoliths. Ankerite alteration gives rock a maroon colour on broken surface.
REV-098	556521	5493027	420		2018-08-11	Quartz Diorite	Fol	245					Quartz diorite, m.g., grey-white, weakly foliated.
REV-099	556539	5493006	417		2018-08-11	Diorite Breccia	Fol	45	7	9			Quartz diorite with minor breccia. Clasts elongated along pervassive cleavage. S2 foliation shows open folding.
REV-100	556957	5492944	419		2018-08-11	Quartz Diorite							Ridge outcrop on south side of topo high. Foliated quartz diorite.
REV-101	556991	5492983	418	E1590108	2018-08-11	Hornblende Melagabbro	Band	112	85				Narrow 30cm wide band of ultramafic within foliated quartz diorite unit. Banded, black , m.g., crystalline.
REV-102	556533	5493459	417		2018-08-11	Mafic Volcanic							Low lying outcrop of foliated mafic volcanic with rare diorite banding.
REV-103	556573	5493506	419		2018-08-11	Mafic Volcanic	Fol	65	7				Outcrop on south side of ridge facing swamp. Foliated, f.g. black, mafic volcanics. Whispy white green bands could be pillow selvages.
REV-104	556579	5493535	421	E1590109	2018-08-11	Mafic Volcanic	Fold	325	65	17			Sampled folded quartz vein within foliated mafic volcanics. Axial planar cleavage cuts through quartz vein.

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
REV-105	556600	5493583	421	E1590110	2018-08-11	Mafic Volcanic							NW side of outcrop beside swamp. Either porphyritic, f.g intrusive or recrystallized lapilli tuff. F.g. amphibole rich matrix with rounded crystalline fragments ranging from 5mm-2cm wide. Partially recrystallized.
REV-106	556663	5493551	423		2018-08-11	Mafic Volcanic	Fol	257	9				Either porphyritic, f.g intrusive or recrystallized lapilli tuff. Strong pervassive cleavage.
REV-107	556799	5493668	418		2018-08-11	Mafic Volcanic	Fol	82	7	8	52		Strongly cleaved mafic volcanic. Foliation here appears boudined and folded . This feature is concentrated in schistose and chloritic areas. Stretching lineation along this foliation recorded.
REV-108	556908	5493890	423		2018-08-11	Mafic Volcanic	Fol	48	8				South most exposure of outcrop along spruce swamp. Strong cleavage shows gentle folding.
REV-109	556911	5493904	423	E1590111	2018-08-11	Pyroxenite							Small ridge outcrop of black-green m.g. crystalline pyroxenite. Balk amphibole - cpx with interstital chlorite and serpentine. Trace pyrite
REV-110	556966	5493913	424	E1590112	2018-08-11	Pyroxenite	Fol	137	8				Pyroxenite as before. Crystalline, m.g. amphibole - cpx. Trace pyrrhotite. Open folded cleavage measured.
REV-111	556972	5493898	424		2018-08-11	Mafic Volcanic							Massive f.g. foliated and open folded mafic volcanics.
REV-112	557006	5493887	426	E1590113	2018-08-11	Gabbro	Fol	97	85				Spotted, pyroxene phyric with epidote-chlorite altered groundmass.
	556363	5493075	422	S899351	2018-06-05	Gabbro							Ist pit
	556364	5493074	422	S899352	2018-06-05	Gabbro							Same pit as sample 1
	556364	5493074	422	S899353	2018-06-05	Gabbro							1m away from #2
	556370	5493076	424	S899354	2018-06-05	Gabbro							main oc, 5m from well minz pit
	556369	5493077	421	S899355	2018-06-05	Gabbro							2m from main pit
	556373	5493077	424	S899356	2018-06-05	Gabbro							from main minz pit
	556373	5493077	424	S899357	2018-06-05	Gabbro							1m from sample 6.
	556375	5493078	423	S899358	2018-06-05	Gabbro							
	556379	5493080	425	S899359	2018-06-05	Gabbro							possible SZ in main gabbro
	556379	5493076	425	S899360	2018-06-05	Gabbro							south side of oc

Field ID	Easting (UTM NAD 83 ZN 15)	Northing (UTM NAD 83 ZN 15)	Elevation (m)	Sample ID	Date	Rock_Type	Structure Type	Structure Azimuth	Structure Dip	Structure Type	Structure Azimuth	Structure Dip	Comments
	556383	5493078	423	S899361	2018-06-05	Mafic Volcanics							SZ in MV
	556386	5493078	424	S899362	2018-06-05	Mafic Volcanics							MV
	556389	5493079	424	S899363	2018-06-05	Leucogabbro-diorite							leucogabbro phase
	556392	5493081	425	S899364	2018-06-05	Shear Zone							main SZ @ 260 deg, steeply dipping to north
	556388	5493075	425	S899365	2018-06-05	Gabbro							pegmatitic gabbro
	556386	5493090	423	S899366	2018-06-05	Leucogabbro-diorite							north part of oc
	563320	5488493	437	S899369	2018-06-06	Alt'd Gab or MV							blasted rock
	563320	5488493	437	S899370	2018-06-06	Gabbro + MV							blasted rock
	563320	5488493	437	S899371	2018-06-06	Gabbro							bedrock
	563320	5488493	437	S899372	2018-06-06	Melagabbro							blasted rock
	563292	5488529	434	S899373	2018-06-06	Pyroxenite							blasted rock
	563292	5488529	434	S899374	2018-06-06	Pyroxenite							bedrock
	563292	5488529	434	S899375	2018-06-06	Melagabbro							blasted rock
	563292	5488529	434	S899376	2018-06-06	Peridotite							blasted rock
	563417	5488791	432	S899377	2018-06-06	QV							large qv from historic pit, milky white, no sulphides.

Appendix C: Maps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Grab Sample
Prospecting Station
Traverse, Aug 11th
Traverse, Aug 8th
Revell Claim Cell
Ontario Claim Cell
Road
Railway
Waterbody
Watercourse
UTM NAD83 ZN15U
N
Map 1A
508253
508254
508255
508256
508259
508260
508261
500302
508264
508265
508266
508267
508251
REV-001
REV-002
REV-003
REV-004
REV-005
REV-006
REV-007
REV-008
REV-009
REV-010
REV-011
REV-012
REV-013
REV-014
REV-015
REV-016
REV-017
REV-018
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REV-100
REV-101
REV-102
REV-103
REV-104
REV-105
REV-106
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REV-108
REV-109
REV-110
REV-111
REV-112
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metres
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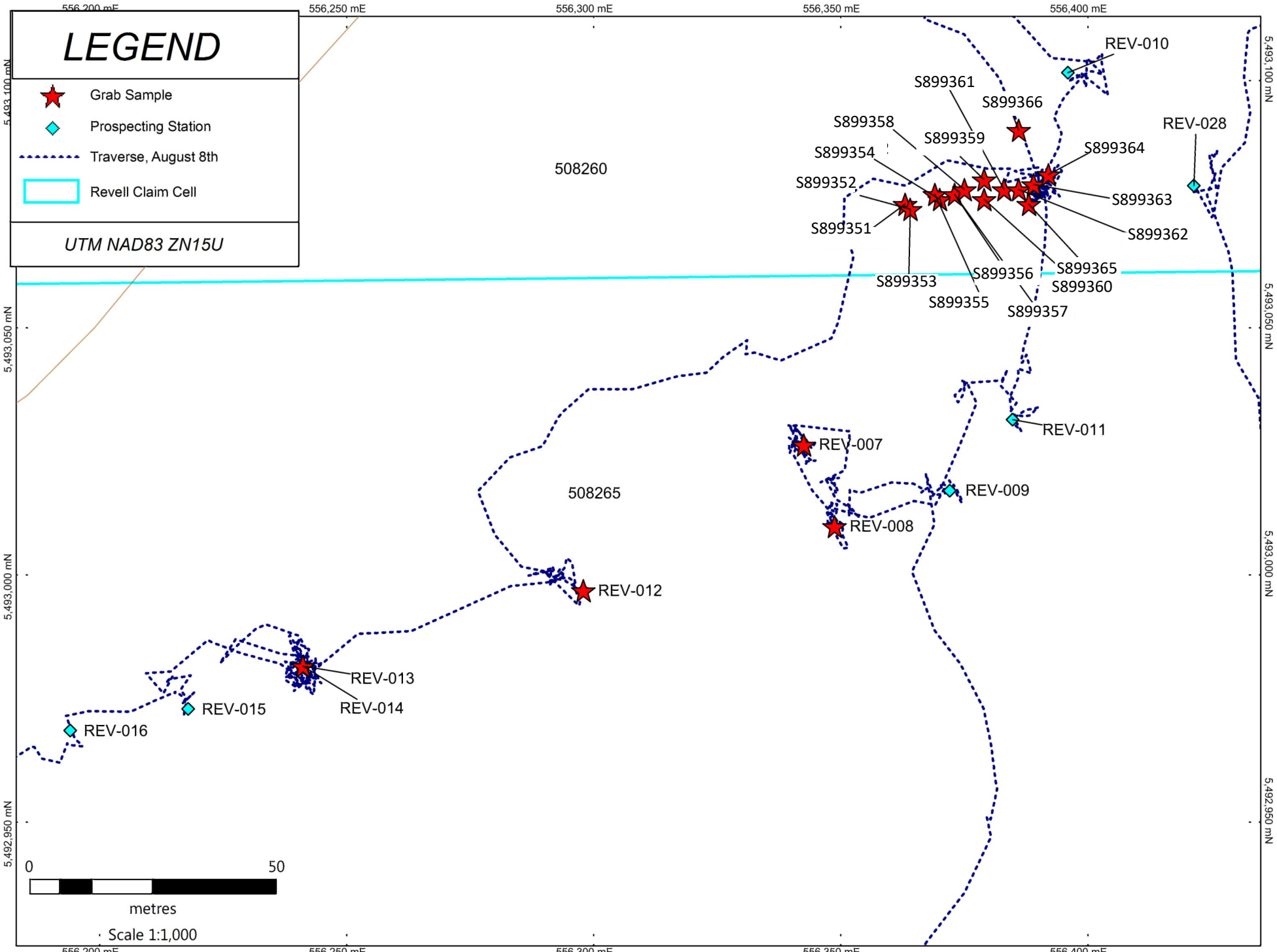
LEGEND
Grab Sample
Prospecting Station
Traverse, August 8th
Revell Claim Cell
UTM NAD83 ZN15U
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REV-010
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REV-012
REV-013
REV-014
REV-015
REV-016
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S899358
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S899352
S899363
S899351
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S899357
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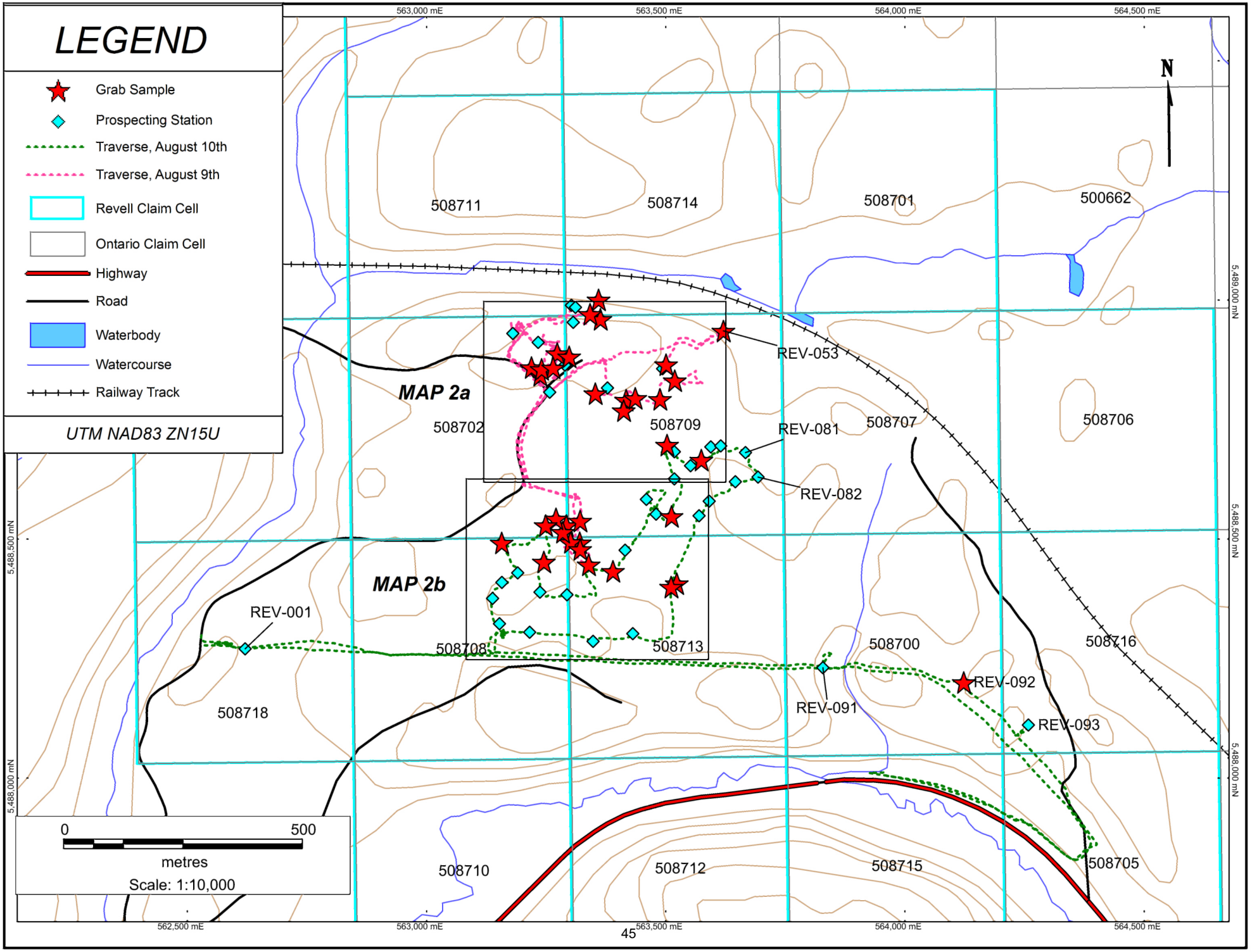
Scale 1:1,000


LEGEND
Grab Sample
Prospecting Station
Traverse, August 10th
Traverse, August 9th
Revell Claim Cell
Ontario Claim Cell
Highway
Road
Waterbody
Watercourse
Railway Track
UTM NAD83 ZN15U
563,000 mE
563,500 mE
564,000 mE
564,500 mE
562,500 mE
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5,488,500 mN
5,488,000 mN
N
MAP 2a
MAP 2b
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508714
508701
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508709
508707
508706
508708
508713
508700
508716
508718
508710
508712
508715
508705
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REV-001
REV-091
REV-092
REV-093
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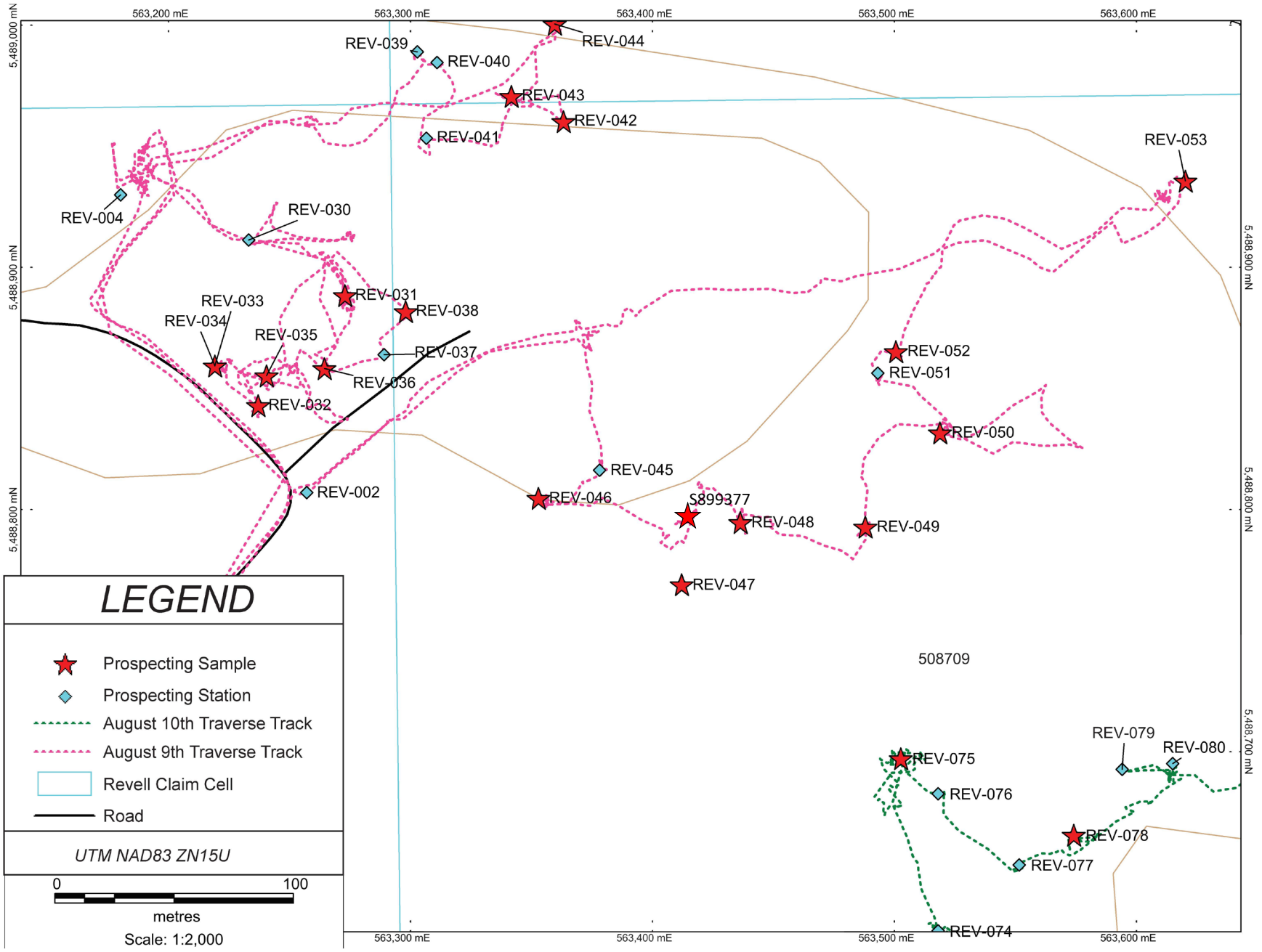
metres
Scale: 1:10,000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REV-040
REV-044
REV-043
REV-042
REV-041
REV-053
REV-004
REV-030
REV-033
REV-034
REV-031
REV-038
REV-035
REV-037
REV-036
REV-032
REV-052
REV-051
REV-050
REV-045
REV-002
REV-046
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REV-048
REV-049
REV-047
508709
REV-079
REV-080
REV-075
REV-076
REV-078
REV-077
REV-074
LEGEND
Prospecting Sample
Prospecting Station
August 10th Traverse Track
August 9th Traverse Track
Revell Claim Cell
Road
UTM NAD83 ZN15U
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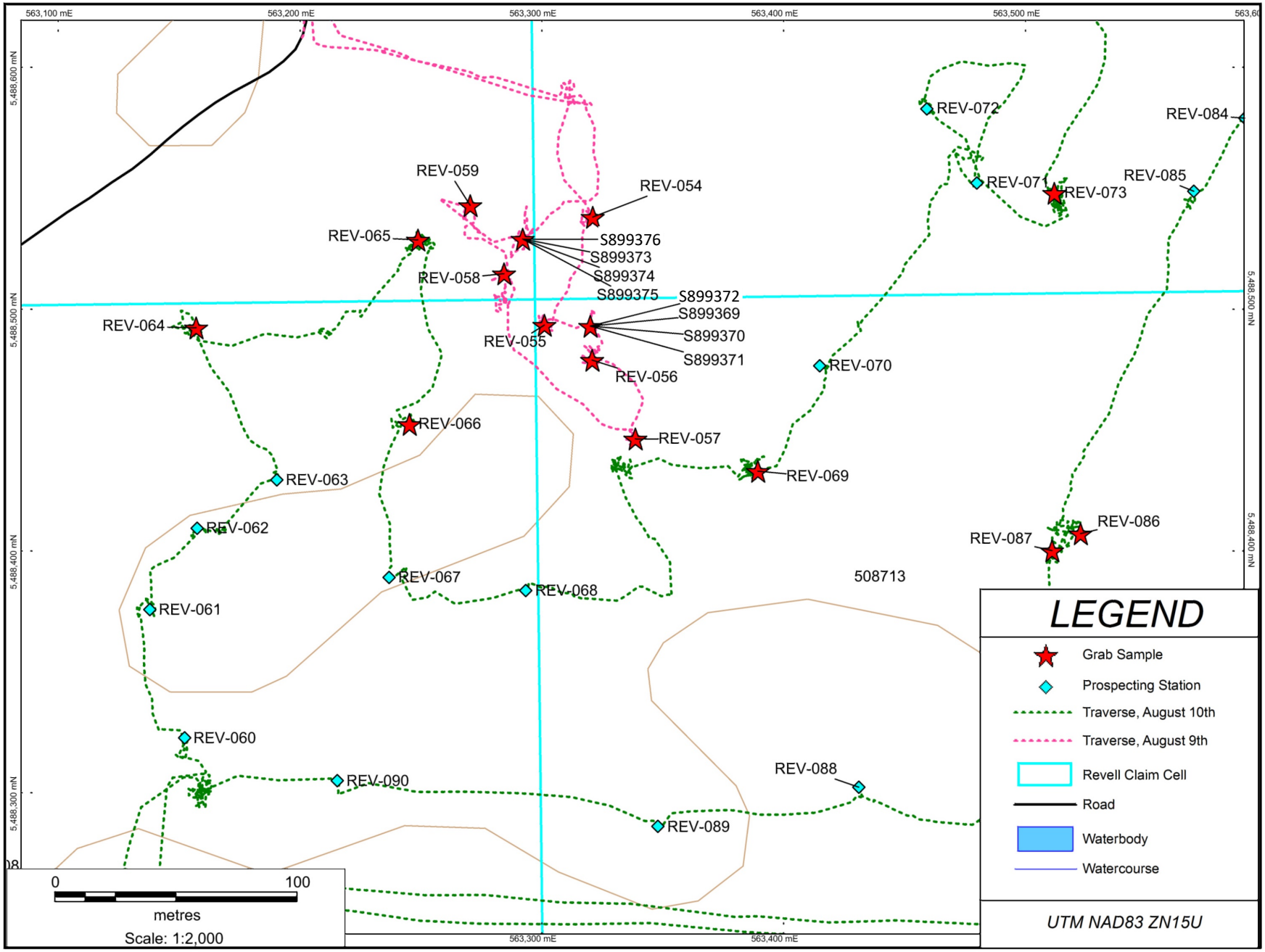
Scale: 1:2,000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REV-054
REV-065
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S899373
S899374
S899375
REV-058
S899372
S899369
S899370
S899371
REV-064
REV-055
REV-056
REV-066
REV-057
REV-063
REV-062
REV-067
REV-068
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REV-060
REV-090
REV-089
REV-088
REV-072
REV-084
REV-071
REV-073
REV-085
REV-070
REV-069
REV-086
REV-087
508713
0
100
metres
Scale: 1:2,000
LEGEND
Grab Sample
Prospecting Station
Traverse, August 10th
Traverse, August 9th
Revell Claim Cell
Road
Waterbody
Watercourse
UTM NAD83 ZN15U

Appendix D: Certificates of Analysis

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

CLIENT NAME: TRANSITION METALS
410 FALCONBRIDGE RD
SUDBURY, ON P3A4S4
(705) 669-0590

ATTENTION TO: Grant Mourre

PROJECT: PGEN

AGAT WORK ORDER: 18B348922

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 09, 2018

PAGES (INCLUDING COVER): 20

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

AGAT Laboratories
5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(200-) Sample Login Weight

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
S899351 (9336063)	1.06
S899352 (9336064)	0.99
S899353 (9336065)	1.44
S899354 (9336066)	1.95
S899355 (9336067)	0.94
S899356 (9336068)	1.03
S899357 (9336069)	1.52
S899358 (9336070)	0.92
S899359 (9336071)	1.06
S899360 (9336072)	1.22
S899361 (9336073)	1.71
S899362 (9336074)	1.41
S899363 (9336075)	0.58
S899364 (9336076)	0.83
S899365 (9336077)	1.61
S899366 (9336078)	1.57
S899367 (9336079)	1.72
S899369 (9336081)	1.76
S899370 (9336082)	1.08
S899371 (9336083)	0.94
S899372 (9336084)	1.04
S899373 (9336085)	1.05
S899374 (9336086)	1.78
S899375 (9336087)	1.79
S899376 (9336088)	1.64
S899378 (9336090)	1.47

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

AGAT Laboratories
5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
http://www.agatlabs.com

Certificate of Analysis

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
S899351 (9336063)	3	7.58	<5	<20	64.1	<5	0.1	6.42	<0.2	8.7	50.9	0.006	0.8	464
S899352 (9336064)	<1	8.24	<5	<20	77.2	<5	<0.1	6.78	<0.2	10.1	54.0	0.009	0.8	234
S899353 (9336065)	4	8.99	<5	<20	91.6	<5	1.2	6.51	0.8	9.9	60.8	0.009	1.4	6370
S899354 (9336066)	<1	8.00	<5	<20	82.4	<5	<0.1	6.90	<0.2	7.9	62.3	<0.005	1.0	265
S899355 (9336067)	3	7.41	<5	<20	99.8	<5	0.6	5.59	0.5	10.6	65.8	0.006	1.0	4830
S899356 (9336068)	2	7.68	<5	<20	112	<5	0.5	6.63	0.5	10.0	64.2	0.008	1.4	3120
S899357 (9336069)	<1	0.67	<5	186	26.0	<5	1.6	1.17	<0.2	1.2	6.9	0.008	0.1	55
S899358 (9336070)	2	7.57	<5	<20	95.8	<5	0.5	6.67	0.5	9.6	74.6	0.007	1.2	4760
S899359 (9336071)	2	7.58	<5	<20	89.2	<5	0.5	5.73	<0.2	10.2	49.0	0.018	1.1	2600
S899360 (9336072)	2	7.14	<5	<20	43.4	<5	0.4	5.84	<0.2	7.9	49.4	0.024	0.5	1790
S899361 (9336073)	<1	4.67	<5	26	19.3	<5	0.7	9.34	0.2	16.3	84.1	0.107	0.1	1260
S899362 (9336074)	2	5.82	<5	<20	62.7	<5	<0.1	6.61	0.4	6.0	86.3	0.016	0.4	239
S899363 (9336075)	<1	8.26	<5	<20	175	<5	<0.1	5.72	<0.2	19.8	39.8	0.011	1.0	69
S899364 (9336076)	<1	7.80	<5	<20	300	<5	<0.1	2.47	<0.2	60.1	7.4	<0.005	3.0	136
S899365 (9336077)	2	9.19	<5	<20	152	<5	0.5	6.93	0.2	12.4	46.3	0.015	1.0	1760
S899366 (9336078)	<1	8.81	<5	<20	272	<5	<0.1	5.57	<0.2	27.8	30.3	0.008	1.4	60
S899367 (9336079)	<1	7.93	6	<20	166	<5	0.4	5.42	0.3	34.2	55.6	<0.005	0.4	382
S899369 (9336081)	<1	5.47	<5	<20	43.5	<5	0.3	6.56	0.2	3.7	97.6	0.085	0.3	1890
S899370 (9336082)	<1	6.26	<5	<20	55.1	<5	0.3	6.26	0.3	6.2	125	0.054	0.4	1740
S899371 (9336083)	2	6.50	<5	<20	161	<5	0.7	6.85	0.4	6.8	105	0.048	0.8	2850
S899372 (9336084)	<1	5.76	<5	<20	46.3	<5	0.2	7.81	<0.2	7.1	64.0	0.045	0.5	126
S899373 (9336085)	<1	3.01	<5	<20	5.3	<5	0.2	4.38	<0.2	1.6	154	0.155	<0.1	748
S899374 (9336086)	<1	3.83	<5	<20	6.1	<5	0.1	5.34	<0.2	1.8	109	0.148	0.1	663
S899375 (9336087)	1	6.80	<5	<20	102	<5	0.2	7.04	0.3	5.4	111	0.026	1.3	2620
S899376 (9336088)	<1	3.27	<5	<20	4.5	<5	0.1	4.56	0.4	6.7	175	0.189	0.1	2220
S899378 (9336090)	<1	9.44	<5	<20	325	<5	0.1	6.12	<0.2	36.2	40.2	<0.005	3.1	67

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Certificate of Analysis

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
S899351 (9336063)	1.74	1.10	0.94	9.44	18.9	1.69	2	1	0.38	<0.2	0.19	3.8	12	0.17
S899352 (9336064)	1.85	1.16	0.67	8.69	17.6	1.95	2	1	0.37	<0.2	0.22	4.4	13	0.17
S899353 (9336065)	1.47	0.83	0.66	8.18	17.5	1.37	1	<1	0.28	<0.2	0.30	4.5	12	0.12
S899354 (9336066)	1.64	1.02	0.57	10.1	18.6	1.61	1	<1	0.34	<0.2	0.26	3.5	12	0.15
S899355 (9336067)	1.56	0.92	0.47	9.79	17.9	1.59	2	1	0.32	<0.2	0.30	4.9	12	0.15
S899356 (9336068)	1.66	1.01	1.03	9.85	17.2	1.73	1	1	0.36	<0.2	0.38	4.5	12	0.16
S899357 (9336069)	0.40	0.27	0.07	1.14	1.77	0.33	<1	<1	0.09	<0.2	<0.05	0.5	<10	<0.05
S899358 (9336070)	1.73	0.97	0.74	10.5	17.6	1.67	2	1	0.33	<0.2	0.33	4.3	12	0.15
S899359 (9336071)	1.43	0.85	0.51	8.87	16.0	1.59	2	1	0.27	<0.2	0.36	4.6	12	0.12
S899360 (9336072)	1.34	0.84	1.17	7.10	14.8	1.30	1	1	0.27	<0.2	0.15	3.4	10	0.13
S899361 (9336073)	2.94	1.76	1.61	9.25	14.7	3.27	2	2	0.57	<0.2	0.07	6.0	<10	0.23
S899362 (9336074)	2.55	1.55	0.64	13.0	15.7	2.42	2	<1	0.54	<0.2	0.20	2.5	13	0.19
S899363 (9336075)	2.11	1.21	0.68	6.78	17.7	2.38	1	2	0.41	<0.2	0.48	9.3	11	0.17
S899364 (9336076)	1.54	0.87	0.60	2.18	15.8	2.37	<1	5	0.31	<0.2	0.79	26.1	<10	0.17
S899365 (9336077)	1.51	0.84	0.47	8.00	15.7	1.68	1	1	0.30	<0.2	0.60	5.7	13	0.14
S899366 (9336078)	2.38	1.34	0.92	5.77	19.2	2.87	1	2	0.46	<0.2	0.79	13.0	13	0.18
S899367 (9336079)	3.01	1.82	1.28	9.02	20.5	3.51	1	2	0.58	<0.2	0.48	14.6	26	0.27
S899369 (9336081)	1.10	0.75	0.35	10.1	11.0	1.05	2	<1	0.24	<0.2	0.13	1.5	19	0.12
S899370 (9336082)	1.81	1.03	1.20	11.3	13.6	1.52	2	<1	0.36	<0.2	0.14	2.4	20	0.15
S899371 (9336083)	1.72	1.06	0.48	9.63	12.3	1.66	2	<1	0.34	<0.2	0.41	2.8	19	0.16
S899372 (9336084)	1.94	1.25	0.46	8.43	12.9	1.85	2	<1	0.43	<0.2	0.12	2.8	16	0.18
S899373 (9336085)	0.76	0.44	0.12	13.0	7.21	0.68	1	<1	0.17	<0.2	<0.05	0.5	<10	0.08
S899374 (9336086)	0.92	0.58	0.28	10.5	8.96	0.79	1	<1	0.18	<0.2	<0.05	0.6	<10	0.09
S899375 (9336087)	1.61	0.93	0.48	12.2	16.0	1.46	2	<1	0.33	<0.2	0.36	2.1	18	0.14
S899376 (9336088)	1.04	0.60	0.17	10.8	7.11	1.15	1	<1	0.20	<0.2	<0.05	2.9	<10	0.09
S899378 (9336090)	3.21	1.88	1.28	8.36	21.7	4.17	1	2	0.61	<0.2	1.00	16.7	23	0.23

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Certificate of Analysis

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
S899351 (9336063)	3.65	1360	3	1	5.1	148	0.02	<5	1.13	8.7	0.27	<0.1	31	21.8
S899352 (9336064)	3.97	1330	3	1	5.9	170	0.03	<5	1.34	9.2	0.14	<0.1	31	22.5
S899353 (9336065)	3.86	1120	3	1	5.2	1140	0.02	<5	1.21	14.2	0.90	<0.1	24	23.0
S899354 (9336066)	3.68	1340	3	<1	4.5	174	0.01	<5	1.04	13.7	0.07	<0.1	31	22.1
S899355 (9336067)	3.55	1230	4	2	5.3	745	0.02	<5	1.27	13.4	0.78	<0.1	28	22.4
S899356 (9336068)	3.60	1240	4	1	5.6	687	0.03	<5	1.29	17.3	0.42	<0.1	30	22.3
S899357 (9336069)	0.46	176	10	<1	0.7	66	<0.01	<5	0.16	1.8	<0.01	<0.1	<5	43.2
S899358 (9336070)	3.53	1250	4	2	5.4	944	0.01	<5	1.22	15.0	0.67	<0.1	30	22.3
S899359 (9336071)	4.22	1190	3	1	5.2	707	0.02	<5	1.25	15.5	0.69	<0.1	27	23.6
S899360 (9336072)	4.88	1100	<2	1	4.3	560	0.02	<5	1.04	6.3	0.20	<0.1	26	21.4
S899361 (9336073)	6.71	1470	2	2	10.6	928	0.03	<5	2.32	2.1	0.17	<0.1	34	20.9
S899362 (9336074)	6.56	2140	<2	<1	4.8	132	0.02	<5	0.90	5.1	0.25	0.8	55	20.6
S899363 (9336075)	3.49	1190	<2	3	9.8	99	0.05	<5	2.38	19.0	0.04	<0.1	26	25.6
S899364 (9336076)	0.52	251	4	5	18.7	29	0.03	5	5.55	42.5	<0.01	<0.1	5	35.6
S899365 (9336077)	4.42	1110	2	2	6.1	455	0.02	<5	1.48	25.0	0.15	<0.1	28	26.2
S899366 (9336078)	2.57	963	3	5	13.4	89	0.06	<5	3.27	33.9	<0.01	<0.1	20	29.0
S899367 (9336079)	2.75	1260	<2	4	17.8	40	0.07	7	4.34	18.2	1.07	<0.1	28	21.5
S899369 (9336081)	9.21	1580	<2	<1	2.6	1060	0.01	<5	0.53	4.6	0.56	<0.1	32	21.5
S899370 (9336082)	8.22	1520	<2	<1	4.2	1330	0.02	7	0.89	5.5	0.99	0.9	30	20.3
S899371 (9336083)	7.47	1420	<2	<1	4.4	1400	0.02	<5	0.97	19.6	0.91	<0.1	40	22.6
S899372 (9336084)	7.18	1490	2	<1	4.9	328	0.02	<5	1.00	4.3	0.02	0.1	46	23.4
S899373 (9336085)	12.1	2100	<2	<1	1.5	1500	0.02	<5	0.28	0.3	1.31	<0.1	21	20.7
S899374 (9336086)	10.4	1750	<2	<1	1.8	834	0.01	<5	0.31	0.5	0.63	<0.1	22	19.9
S899375 (9336087)	5.82	1540	2	<1	3.6	958	0.01	<5	0.77	14.5	0.92	<0.1	38	21.0
S899376 (9336088)	14.1	1350	<2	<1	4.1	2330	0.03	<5	0.87	0.5	1.28	<0.1	15	18.6
S899378 (9336090)	2.44	1250	3	4	19.2	85	0.07	13	4.50	42.0	0.02	<0.1	19	25.6

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AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
S899351 (9336063)	1.4	4	183	<0.5	0.27	0.5	1.04	<0.5	0.15	0.13	441	<1	9.8	1.1
S899352 (9336064)	1.5	<1	200	<0.5	0.32	0.8	0.70	<0.5	0.16	0.17	303	<1	10.6	1.2
S899353 (9336065)	1.3	<1	231	<0.5	0.22	0.7	0.49	<0.5	0.13	0.19	238	<1	7.6	0.8
S899354 (9336066)	1.2	<1	190	<0.5	0.25	0.5	0.82	<0.5	0.15	0.11	448	<1	9.1	0.9
S899355 (9336067)	1.3	<1	177	<0.5	0.26	1.0	0.74	<0.5	0.13	0.26	375	<1	8.9	1.0
S899356 (9336068)	1.4	<1	178	<0.5	0.29	0.7	0.84	<0.5	0.14	0.19	388	<1	9.4	1.0
S899357 (9336069)	0.2	<1	8.0	<0.5	0.06	<0.1	0.04	<0.5	<0.05	<0.05	33	<1	2.6	0.2
S899358 (9336070)	1.3	<1	167	<0.5	0.25	0.6	0.96	<0.5	0.15	0.17	402	<1	9.1	1.0
S899359 (9336071)	1.2	<1	182	<0.5	0.21	0.9	0.48	<0.5	0.13	0.21	253	<1	7.9	0.9
S899360 (9336072)	1.1	<1	185	<0.5	0.20	0.5	0.34	<0.5	0.12	0.12	180	<1	7.4	0.8
S899361 (9336073)	2.8	<1	145	<0.5	0.49	0.8	0.51	<0.5	0.22	0.22	235	1	15.6	1.5
S899362 (9336074)	1.7	<1	78.2	<0.5	0.40	0.3	0.85	<0.5	0.19	0.05	540	<1	13.7	1.4
S899363 (9336075)	2.1	<1	222	<0.5	0.35	1.6	0.44	<0.5	0.17	0.26	208	<1	11.3	1.1
S899364 (9336076)	2.8	<1	223	<0.5	0.33	8.9	0.20	<0.5	0.14	1.47	32	<1	8.4	1.0
S899365 (9336077)	1.4	<1	201	<0.5	0.22	1.1	0.44	<0.5	0.13	0.23	260	<1	8.1	0.8
S899366 (9336078)	2.6	<1	245	<0.5	0.41	2.0	0.44	<0.5	0.20	0.37	146	<1	12.9	1.3
S899367 (9336079)	3.6	<1	264	<0.5	0.53	2.2	0.82	<0.5	0.26	0.50	297	<1	17.0	1.7
S899369 (9336081)	0.8	<1	62.5	<0.5	0.17	0.2	0.27	<0.5	0.11	0.06	188	2	6.5	0.8
S899370 (9336082)	1.2	<1	95.1	<0.5	0.26	0.3	0.31	<0.5	0.14	0.07	197	<1	9.5	1.0
S899371 (9336083)	1.2	2	186	<0.5	0.27	0.4	0.33	<0.5	0.15	0.10	212	<1	9.2	1.0
S899372 (9336084)	1.4	<1	130	<0.5	0.29	0.3	0.39	<0.5	0.18	0.07	263	<1	10.7	1.2
S899373 (9336085)	0.5	<1	11.9	<0.5	0.12	0.1	0.19	<0.5	0.07	<0.05	151	<1	4.3	0.5
S899374 (9336086)	0.7	<1	9.3	<0.5	0.13	0.2	0.20	<0.5	0.08	0.18	168	<1	5.1	0.6
S899375 (9336087)	1.2	<1	134	<0.5	0.23	0.2	0.73	<0.5	0.14	0.15	528	<1	8.9	0.9
S899376 (9336088)	0.9	<1	38.0	<0.5	0.17	0.3	0.22	<0.5	0.09	0.08	108	<1	5.6	0.6
S899378 (9336090)	4.0	<1	498	<0.5	0.60	2.5	0.69	<0.5	0.26	0.76	181	<1	17.1	1.5

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Certificate of Analysis

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
S899351 (9336063)	81	35.8
S899352 (9336064)	83	41.8
S899353 (9336065)	83	32.7
S899354 (9336066)	94	29.2
S899355 (9336067)	95	61.5
S899356 (9336068)	87	36.1
S899357 (9336069)	9	3.4
S899358 (9336070)	92	40.3
S899359 (9336071)	67	44.9
S899360 (9336072)	58	39.9
S899361 (9336073)	86	55.2
S899362 (9336074)	145	24.8
S899363 (9336075)	89	67.6
S899364 (9336076)	35	222
S899365 (9336077)	70	41.3
S899366 (9336078)	82	93.8
S899367 (9336079)	100	60.3
S899369 (9336081)	87	20.4
S899370 (9336082)	96	24.0
S899371 (9336083)	83	25.5
S899372 (9336084)	76	28.8
S899373 (9336085)	107	10.9
S899374 (9336086)	110	12.8
S899375 (9336087)	98	22.8
S899376 (9336088)	98	24.2
S899378 (9336090)	121	82.2

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	V2O5
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
S899351 (9336063)	15.0	0.01	9.55	<0.01	14.5	0.29	6.55	0.19	2.03	0.04	48.5	1.73	0.02	0.08
S899352 (9336064)	15.6	<0.01	10.0	0.01	13.3	0.31	6.59	0.18	2.15	0.05	49.5	1.14	0.01	0.06
S899353 (9336065)	17.2	0.01	9.25	0.01	11.7	0.38	6.41	0.15	2.02	0.05	48.3	0.80	0.02	0.04
S899354 (9336066)	15.6	0.01	9.95	<0.01	15.2	0.36	6.27	0.18	2.10	0.04	47.8	1.46	0.02	0.08
S899355 (9336067)	14.6	0.01	8.34	<0.01	15.0	0.39	6.21	0.17	2.46	0.04	49.2	1.26	0.01	0.07
S899356 (9336068)	15.1	0.01	9.61	0.01	14.5	0.46	6.32	0.16	2.07	0.04	48.0	1.35	0.02	0.07
S899357 (9336069)	1.32	<0.01	1.67	<0.01	1.64	0.09	0.72	0.02	0.01	0.01	92.3	0.07	<0.01	<0.01
S899358 (9336070)	14.8	0.01	9.76	<0.01	15.7	0.42	6.18	0.18	2.01	0.05	48.0	1.56	0.01	0.08
S899359 (9336071)	14.6	0.01	8.28	0.03	13.0	0.46	7.11	0.15	1.89	0.04	50.2	0.81	0.01	0.05
S899360 (9336072)	15.0	<0.01	9.30	0.03	11.5	0.25	9.04	0.16	1.79	0.03	49.9	0.63	0.01	0.04
S899361 (9336073)	9.31	<0.01	13.9	0.16	14.0	0.13	11.5	0.19	0.54	0.07	45.9	0.87	0.01	0.04
S899362 (9336074)	11.3	<0.01	9.61	0.02	19.4	0.26	10.8	0.28	0.84	0.03	43.9	1.41	<0.01	0.10
S899363 (9336075)	15.9	0.02	8.28	0.01	9.96	0.59	5.65	0.15	2.56	0.10	54.4	0.74	0.02	0.04
S899364 (9336076)	14.6	0.03	3.32	<0.01	3.00	0.87	0.80	0.03	4.29	0.07	72.4	0.32	0.02	<0.01
S899365 (9336077)	15.9	0.02	8.97	0.02	10.5	0.65	6.95	0.14	2.25	0.05	51.6	0.61	0.01	0.04
S899366 (9336078)	16.4	0.03	7.37	<0.01	8.06	0.92	4.13	0.12	2.84	0.14	57.2	0.70	0.01	0.03
S899367 (9336079)	15.3	0.02	7.82	0.01	13.4	0.60	4.46	0.17	2.68	0.16	45.8	1.33	0.02	0.06
S899369 (9336081)	10.4	<0.01	9.28	0.13	14.7	0.18	14.9	0.20	0.71	0.03	44.8	0.43	<0.01	0.03
S899370 (9336082)	12.2	<0.01	9.13	0.09	16.7	0.20	13.7	0.21	0.81	0.04	43.4	0.52	<0.01	0.04
S899371 (9336083)	12.1	0.01	9.51	0.07	13.6	0.47	12.2	0.18	1.24	0.04	46.1	0.51	0.02	0.04
S899372 (9336084)	11.3	<0.01	11.2	0.07	12.3	0.19	12.3	0.21	1.26	0.04	49.3	0.67	<0.01	0.05
S899373 (9336085)	5.75	<0.01	6.20	0.23	19.1	0.02	19.5	0.27	0.08	0.03	43.7	0.30	<0.01	0.03
S899374 (9336086)	7.86	<0.01	8.02	0.23	16.2	0.04	17.8	0.23	0.16	0.02	44.4	0.33	<0.01	0.03
S899375 (9336087)	13.1	<0.01	10.1	0.04	17.8	0.44	9.77	0.20	1.36	0.03	44.4	1.19	<0.01	0.10
S899376 (9336088)	6.07	<0.01	6.33	0.28	15.3	<0.01	22.7	0.17	0.03	0.05	38.0	0.34	<0.01	0.02
S899378 (9336090)	17.2	0.03	8.37	<0.01	11.7	1.11	3.79	0.16	3.55	0.14	51.8	1.07	0.05	0.03

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Certificate of Analysis

AGAT WORK ORDER: 18B348922
PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	LOI	Total
Unit:	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01
S899351 (9336063)	1.41	99.8
S899352 (9336064)	1.12	100
S899353 (9336065)	3.31	99.6
S899354 (9336066)	0.89	99.9
S899355 (9336067)	2.05	99.7
S899356 (9336068)	0.91	98.6
S899357 (9336069)	1.50	99.4
S899358 (9336070)	0.84	99.5
S899359 (9336071)	2.43	99.0
S899360 (9336072)	2.20	99.8
S899361 (9336073)	1.58	98.2
S899362 (9336074)	2.25	100
S899363 (9336075)	1.07	99.5
S899364 (9336076)	0.40	100
S899365 (9336077)	1.93	99.6
S899366 (9336078)	1.44	99.4
S899367 (9336079)	6.14	97.9
S899369 (9336081)	2.93	98.7
S899370 (9336082)	3.18	100
S899371 (9336083)	2.38	98.4
S899372 (9336084)	1.25	100
S899373 (9336085)	3.78	99.0
S899374 (9336086)	3.53	98.8
S899375 (9336087)	1.38	99.8
S899376 (9336088)	8.05	97.3
S899378 (9336090)	0.93	99.9

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.001	0.001	0.005
S899351 (9336063)	0.011	0.003	<0.005
S899352 (9336064)	0.009	0.004	<0.005
S899353 (9336065)	0.361	0.371	0.269
S899354 (9336066)	0.007	0.006	<0.005
S899355 (9336067)	0.259	0.393	0.264
S899356 (9336068)	0.081	0.150	0.102
S899357 (9336069)	0.683	0.002	<0.005
S899358 (9336070)	0.117	0.274	0.179
S899359 (9336071)	0.188	0.138	0.036
S899360 (9336072)	0.237	0.098	0.047
S899361 (9336073)	0.073	0.044	0.043
S899362 (9336074)	0.008	0.002	<0.005
S899363 (9336075)	0.002	0.002	<0.005
S899364 (9336076)	0.010	0.001	<0.005
S899365 (9336077)	0.162	0.208	0.082
S899366 (9336078)	0.003	0.003	<0.005
S899367 (9336079)	0.013	0.002	<0.005
S899369 (9336081)	0.045	0.327	0.117
S899370 (9336082)	0.031	0.203	0.066
S899371 (9336083)	0.057	0.294	0.092
S899372 (9336084)	0.004	0.011	0.008
S899373 (9336085)	0.005	0.068	0.037
S899374 (9336086)	0.006	0.074	0.041
S899375 (9336087)	0.093	0.383	0.069
S899376 (9336088)	0.051	0.193	0.068
S899378 (9336090)	0.001	0.003	<0.005

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

Sieving - % Passing (Crushing)

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
S899351 (9336063)	86.8
S899371 (9336083)	86.5

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 16, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
S899351 (9336063)	91

Comments: RDL - Reported Detection Limit

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Quality Assurance - Replicate

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Ag	9336063	3	< 1		9336075	< 1	< 1	0.0%	9336090	< 1	< 1	0.0%				
Al	9336063	7.58	7.61	0.4%	9336075	8.26	8.26	0.0%	9336090	9.44	9.21	2.5%				
As	9336063	< 5	< 5	0.0%	9336075	< 5	< 5	0.0%	9336090	< 5	< 5	0.0%				
B	9336063	< 20	< 20	0.0%	9336075	< 20	< 20	0.0%	9336090	< 20	< 20	0.0%				
Ba	9336063	64.1	64.9	1.2%	9336075	175	170	2.9%	9336090	325	309	5.0%				
Be	9336063	< 5	< 5	0.0%	9336075	< 5	< 5	0.0%	9336090	< 5	< 5	0.0%				
Bi	9336063	0.1	0.1	0.0%	9336075	< 0.1	< 0.1	0.0%	9336090	0.1	0.1	0.0%				
Ca	9336063	6.42	6.43	0.2%	9336075	5.72	5.77	0.9%	9336090	6.12	6.06	1.0%				
Cd	9336063	< 0.2	< 0.2	0.0%	9336075	< 0.2	< 0.2	0.0%	9336090	< 0.2	< 0.2	0.0%				
Ce	9336063	8.74	8.34	4.7%	9336075	19.8	19.8	0.0%	9336090	36.2	37.2	2.7%				
Co	9336063	50.9	50.8	0.2%	9336075	39.8	39.4	1.0%	9336090	40.2	40.6	1.0%				
Cr	9336063	0.006	0.006	0.0%	9336075	0.0105	0.0102	2.9%	9336090	< 0.005	< 0.005	0.0%				
Cs	9336063	0.8	0.8	0.0%	9336075	1.0	1.0	0.0%	9336090	3.11	3.03	2.6%				
Cu	9336063	464	503	8.1%	9336075	69	67	2.9%	9336090	67	62	7.8%				
Dy	9336063	1.74	1.78	2.3%	9336075	2.11	2.07	1.9%	9336090	3.21	3.32	3.4%				
Er	9336063	1.10	1.08	1.8%	9336075	1.21	1.15	5.1%	9336090	1.88	1.80	4.3%				
Eu	9336063	0.94	0.60		9336075	0.68	0.84	21.1%	9336090	1.28	1.32	3.1%				
Fe	9336063	9.44	9.49	0.5%	9336075	6.78	6.82	0.6%	9336090	8.36	8.26	1.2%				
Ga	9336063	18.9	18.5	2.1%	9336075	17.7	17.8	0.6%	9336090	21.7	21.6	0.5%				
Gd	9336063	1.69	1.61	4.8%	9336075	2.38	2.47	3.7%	9336090	4.17	4.42	5.8%				
Ge	9336063	2	2	0.0%	9336075	1	1	0.0%	9336090	1	1	0.0%				
Hf	9336063	1	< 1		9336075	2	2	0.0%	9336090	2	3					
Ho	9336063	0.38	0.38	0.0%	9336075	0.41	0.41	0.0%	9336090	0.61	0.62	1.6%				
In	9336063	< 0.2	< 0.2	0.0%	9336075	< 0.2	< 0.2	0.0%	9336090	< 0.2	< 0.2	0.0%				
K	9336063	0.19	0.198	4.1%	9336075	0.48	0.49	2.1%	9336090	1.00	0.99	1.0%				
La	9336063	3.79	3.53	7.1%	9336075	9.31	9.25	0.6%	9336090	16.7	17.2	2.9%				
Li	9336063	12	11	8.7%	9336075	11	12	8.7%	9336090	23	23	0.0%				
Lu	9336063	0.168	0.160	4.9%	9336075	0.17	0.18	5.7%	9336090	0.23	0.23	0.0%				
Mg	9336063	3.65	3.79	3.8%	9336075	3.49	3.43	1.7%	9336090	2.44	2.35	3.8%				
Mn	9336063	1360	1380	1.5%	9336075	1190	1150	3.4%	9336090	1250	1210	3.3%				
Mo	9336063	3	3	0.0%	9336075	< 2	< 2	0.0%	9336090	3	3	0.0%				

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ATTENTION TO: Grant Mourre

Nb	9336063	1	1	0.0%	9336075	3	3	0.0%	9336090	4	4	0.0%				
Nd	9336063	5.11	4.82	5.8%	9336075	9.81	9.91	1.0%	9336090	19.2	19.5	1.6%				
Ni	9336063	148	149	0.7%	9336075	99	96	3.1%	9336090	85	86	1.2%				
P	9336063	0.02	0.02	0.0%	9336075	0.047	0.045	4.3%	9336090	0.066	0.065	1.5%				
Pb	9336063	< 5	< 5	0.0%	9336075	< 5	< 5	0.0%	9336090	13	13	0.0%				
Pr	9336063	1.13	1.08	4.5%	9336075	2.38	2.37	0.4%	9336090	4.50	4.63	2.8%				
Rb	9336063	8.67	8.59	0.9%	9336075	19.0	19.3	1.6%	9336090	42.0	41.2	1.9%				
S	9336063	0.267	0.276	3.3%	9336075	0.036	0.029	21.5%	9336090	0.02	< 0.01					
Sb	9336063	< 0.1	< 0.1	0.0%	9336075	< 0.1	< 0.1	0.0%	9336090	< 0.1	< 0.1	0.0%				
Sc	9336063	31	32	3.2%	9336075	26	25	3.9%	9336090	19	19	0.0%				
Si	9336063	21.8	21.7	0.5%	9336075	25.6	25.7	0.4%	9336090	25.6	25.2	1.6%				
Sm	9336063	1.4	1.3	7.4%	9336075	2.10	2.19	4.2%	9336090	4.02	4.19	4.1%				
Sn	9336063	4	< 1		9336075	< 1	< 1	0.0%	9336090	< 1	< 1	0.0%				
Sr	9336063	183	186	1.6%	9336075	222	213	4.1%	9336090	498	475	4.7%				
Ta	9336063	< 0.5	< 0.5	0.0%	9336075	< 0.5	< 0.5	0.0%	9336090	< 0.5	< 0.5	0.0%				
Tb	9336063	0.27	0.26	3.8%	9336075	0.35	0.34	2.9%	9336090	0.60	0.60	0.0%				
Th	9336063	0.5	0.5	0.0%	9336075	1.56	1.24	22.9%	9336090	2.5	2.6	3.9%				
Ti	9336063	1.04	1.01	2.9%	9336075	0.44	0.45	2.2%	9336090	0.689	0.683	0.9%				
Tl	9336063	< 0.5	< 0.5	0.0%	9336075	< 0.5	< 0.5	0.0%	9336090	< 0.5	< 0.5	0.0%				
Tm	9336063	0.149	0.167	11.4%	9336075	0.171	0.185	7.9%	9336090	0.26	0.24	8.0%				
U	9336063	0.13	0.13	0.0%	9336075	0.263	0.280	6.3%	9336090	0.756	0.765	1.2%				
V	9336063	441	449	1.8%	9336075	208	199	4.4%	9336090	181	175	3.4%				
W	9336063	< 1	< 1	0.0%	9336075	< 1	< 1	0.0%	9336090	< 1	< 1	0.0%				
Y	9336063	9.8	9.5	3.1%	9336075	11.3	11.5	1.8%	9336090	17.1	17.3	1.2%				
Yb	9336063	1.10	1.01	8.5%	9336075	1.13	1.19	5.2%	9336090	1.5	1.6	6.5%				
Zn	9336063	81	81	0.0%	9336075	89	89	0.0%	9336090	121	118	2.5%				
Zr	9336063	35.8	32.9	8.4%	9336075	67.6	88.1	26.3%	9336090	82.2	93.0	12.3%				

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Al2O3	9336063	15.0	15.1	0.7%	9336075	15.9	16.1	1.3%	9336090	17.2	17.5	1.7%				
BaO	9336063	0.01	< 0.01		9336075	0.02	0.01		9336090	0.034	0.039	13.7%				
CaO	9336063	9.55	9.52	0.3%	9336075	8.28	8.29	0.1%	9336090	8.37	8.40	0.4%				
Cr2O3	9336063	< 0.01	0.01		9336075	0.01	< 0.01		9336090	< 0.01	0.01					

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ATTENTION TO: Grant Mourre

Fe2O3	9336063	14.5	14.5	0.0%	9336075	9.96	9.94	0.2%	9336090	11.7	11.7	0.0%				
K2O	9336063	0.29	0.29	0.0%	9336075	0.59	0.59	0.0%	9336090	1.11	1.12	0.9%				
MgO	9336063	6.55	6.53	0.3%	9336075	5.65	5.65	0.0%	9336090	3.79	3.78	0.3%				
MnO	9336063	0.19	0.19	0.0%	9336075	0.15	0.15	0.0%	9336090	0.16	0.16	0.0%				
Na2O	9336063	2.03	2.05	1.0%	9336075	2.56	2.55	0.4%	9336090	3.55	3.62	2.0%				
P2O5	9336063	0.04	0.04	0.0%	9336075	0.097	0.105	7.9%	9336090	0.142	0.146	2.8%				
SiO2	9336063	48.5	48.3	0.4%	9336075	54.4	54.4	0.0%	9336090	51.8	52.0	0.4%				
TiO2	9336063	1.73	1.66	4.1%	9336075	0.74	0.74	0.0%	9336090	1.07	1.09	1.9%				
SrO	9336063	0.02	0.01		9336075	0.02	0.02	0.0%	9336090	0.05	0.05	0.0%				
V2O5	9336063	0.084	0.086	2.4%	9336075	0.04	0.04	0.0%	9336090	0.03	0.03	0.0%				
LOI	9336063	1.41	1.45	2.8%	9336075	1.06	1.13	6.4%	9336090	0.93	0.97	4.2%				

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	9336063	0.0111	0.0104	6.5%	9336075	0.002	0.002	0.0%	9336090	0.001	0.002					
Pd	9336063	0.003	0.003	0.0%	9336075	0.002	0.002	0.0%	9336090	0.003	0.003	0.0%				
Pt	9336063	< 0.005	< 0.005	0.0%	9336075	< 0.005	< 0.005	0.0%	9336090	< 0.005	< 0.005	0.0%				

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.SY-4)				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	10.34	94%	90% - 110%	8.47	8.15	96%	90% - 110%								
As					26	24	94%	90% - 110%								
Ba	340	328	96%	90% - 110%	540	511	95%	90% - 110%								
Be	2.6	3.2	124%	90% - 110%	4.0	3.4	86%	90% - 110%								
Ca	5.72	5.35	93%	90% - 110%	0.907	0.906	100%	90% - 110%								
Ce	122	119	98%	90% - 110%	98	99	101%	90% - 110%								
Co	2.8	2.6	93%	90% - 110%	15	15	102%	90% - 110%								
Cs	1.5	1.6	107%	90% - 110%												
Cu					150	143	96%	90% - 110%								
Dy	18.2	19	104%	90% - 110%												
Er	14.2	14.3	100%	90% - 110%	3.7	3.8	104%	90% - 110%								
Eu	2.0	1.90	95%	90% - 110%	1.0	1.22	122%	90% - 110%								
Fe	4.34	4.07	94%	90% - 110%	3.77	3.81	101%	90% - 110%								
Ga	35	37	106%	90% - 110%												
Gd	14	15	107%	90% - 110%												
Hf	10.6	10.3	97%	90% - 110%	11	10	90%	90% - 110%								
Ho	4.3	4.3	100%	90% - 110%												
K	1.37	1.35	98%	90% - 110%	2.55	2.62	103%	90% - 110%								
La	58	57	98%	90% - 110%	44	44	100%	90% - 110%								
Li	37	35.7	96%	90% - 110%	47	47.0	100%	90% - 110%								
Lu	2.1	2.1	101%	90% - 110%	0.6	0.6	95%	90% - 110%								
Mg	0.325	0.306	94%	90% - 110%	1.1	1.1	96%	90% - 110%								
Mn	836	798	95%	90% - 110%	780	704	90%	90% - 110%								
Mo					14	14	97%	90% - 110%								
Nb	13	13	97%	90% - 110%	20	18	90%	90% - 110%								
Nd	57	56	99%	90% - 110%												
Ni	9	6	70%	90% - 110%	32	33	103%	90% - 110%								
Pb	10	10	100%	90% - 110%	31	30	98%	90% - 110%								
Pr	15.0	14.5	96%	90% - 110%												
Rb	55	55	100%	90% - 110%	144	151	105%	90% - 110%								
Sb					0.8	0.8	94%	90% - 110%								

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CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

Sc					12	11	95%	90% - 110%								
Si	23.3	22.1	95%	90% - 110%	28.4	28.4	100%	90% - 110%								
Sm	12.7	12.6	99%	90% - 110%	7.4	7.6	103%	90% - 110%								
Sn	7.1	6.7	95%	90% - 110%												
Sr	1191	1174	99%	90% - 110%	144	139	96%	90% - 110%								
Ta	0.9	0.6	70%	90% - 110%	1.9	1.6	86%	90% - 110%								
Tb	2.6	2.7	104%	90% - 110%	1.2	1.2	98%	90% - 110%								
Th	1.4	1.1	75%	90% - 110%	18.4	17.3	94%	90% - 110%								
Ti	0.172	0.171	100%	90% - 110%	0.527	0.531	101%	90% - 110%								
Tm	2.3	2.2	97%	90% - 110%												
U	0.8	0.8	100%	90% - 110%	5.7	5.2	91%	90% - 110%								
V	8	6	78%	90% - 110%	77	73	95%	90% - 110%								
W					5	5	104%	90% - 110%								
Y	119	116	98%	90% - 110%	40	36	91%	90% - 110%								
Yb	14.8	15.3	103%	90% - 110%												
Zn	93	89	95%	90% - 110%	130	126	97%	90% - 110%								
Zr	517	554	107%	90% - 110%	390	382	98%	90% - 110%								

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

	CRM #1 (ref.SY-4)				CRM #2				CRM #3 (ref.SY-4)				CRM #4			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al2O3	20.7	20.6	99%	90% - 110%					20.7	20.8	100%	90% - 110%				
BaO	0.038	0.037	97%	90% - 110%									0.04	0.042	105%	90% - 110%
CaO	8.05	7.95	99%	90% - 110%					8.05	7.92	98%	90% - 110%				
Fe2O3	6.21	6.29	101%	90% - 110%					6.21	6.23	100%	90% - 110%				
K2O	1.66	1.66	100%	90% - 110%					1.66	1.67	101%	90% - 110%				
MgO	0.54	0.51	94%	90% - 110%					0.54	0.51	94%	90% - 110%				
MnO	0.108	0.107	99%	90% - 110%					0.108	0.108	100%	90% - 110%				
Na2O	7.1	7.1	100%	90% - 110%					7.1	7.1	100%	90% - 110%				
P2O5	0.131	0.13	99%	90% - 110%					0.131	0.126	96%	90% - 110%				
SiO2	49.9	49.5	99%	90% - 110%					49.9	49.8	100%	90% - 110%				
TiO2	0.287	0.29	101%	90% - 110%					0.287	0.301	105%	90% - 110%				
SrO	0.141	0.134	95%	90% - 110%					0.141	0.137	97%	90% - 110%				
LOI					4.56	4.39	96%	90% - 110%					4.56	4.39	96%	90% - 110%

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AGAT WORK ORDER: 18B348922

PROJECT: PGEN

CLIENT NAME: TRANSITION METALS

ATTENTION TO: Grant Mourre

	CRM #5															
Parameter	Expect	Actual	Recovery	Limits												
LOI	4.56	4.50	98%	90% - 110%												

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

	CRM #1 (ref.PG129)				CRM #2 (ref.PG129)											
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits								
Au	1.1	1.1	102%	90% - 110%	1.1	1.1	96%	90% - 110%								
Pd	0.115	0.116	101%	90% - 110%	0.115	0.117	101%	90% - 110%								
Pt	0.239	0.234	98%	90% - 110%	0.239	0.243	102%	90% - 110%								

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Method Summary

CLIENT NAME: TRANSITION METALS
AGAT WORK ORDER: 18B348922
PROJECT: PGEN
ATTENTION TO: Grant Mourre
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS

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Method Summary

CLIENT NAME: TRANSITION METALS

AGAT WORK ORDER: 18B348922

PROJECT: PGEN

ATTENTION TO: Grant Mourre

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Al2O3	MIN-200-12027		XRF
BaO	MIN-200-12027		XRF
CaO	MIN-200-12027		XRF
Cr2O3	MIN-200-12027		XRF
Fe2O3	MIN-200-12027		XRF
K2O	MIN-200-12027		XRF
MgO	MIN-200-12027		XRF
MnO	MIN-200-12027		XRF
Na2O	MIN-200-12027		XRF
P2O5	MIN-200-12027		XRF
SiO2	MIN-200-12027		XRF
TiO2	MIN-200-12027		XRF
SrO	MIN-200-12027		XRF
V2O5	MIN-200-12027		XRF
LOI	MIN-200-12021		GRAVIMETRIC
Total	MIN-200-12027		CALCULATION
Au	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pass %			BALANCE

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CLIENT NAME: MISC AGAT CLIENT ON
410 FALCONBRIDGE RD
SUDBURY, ON P3A4S4
(705) 669-0590

ATTENTION TO: Grant Mourre

PROJECT: PGEN

AGAT WORK ORDER: 18B348987

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 09, 2018

PAGES (INCLUDING COVER): 13

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(200-) Sample Login Weight

DATE SAMPLED: Jun 10, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
S899368 (9318209)	0.59
S899377 (9318210)	0.70

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Jun 10, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
S899368 (9318209)	4	7.78	<5	<20	68.5	<5	1.0	6.70	0.7	9.7	68.2	0.013	0.8	6200
S899377 (9318210)	<1	0.12	<5	<20	3.6	<5	0.6	0.064	<0.2	0.4	3.3	0.006	<0.1	46

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
S899368 (9318209)	1.72	1.02	1.00	9.37	16.8	1.66	1	<1	0.37	<0.2	0.29	4.3	<10	0.14
S899377 (9318210)	<0.05	<0.05	0.12	0.45	0.39	<0.05	2	<1	<0.05	<0.2	<0.05	0.2	<10	<0.05

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
S899368 (9318209)	3.83	1220	4	1	5.4	1530	0.02	<5	1.23	8.5	0.80	<0.1	29	22.6
S899377 (9318210)	0.03	24	8	<1	0.2	19	<0.01	<5	<0.05	0.9	0.13	<0.1	<5	45.2

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
S899368 (9318209)	1.4	<1	195	<0.5	0.28	0.7	0.68	<0.5	0.14	0.17	296	<1	9.2	1.0
S899377 (9318210)	<0.1	<1	7.7	<0.5	<0.05	<0.1	<0.01	<0.5	<0.05	<0.05	<5	<1	<0.5	<0.1

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
S899368 (9318209)	88	34.3
S899377 (9318210)	5	1.8

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Jun 10, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	V2O5
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
S899368 (9318209)	15.2	0.01	9.88	0.02	14.0	0.33	6.49	0.17	2.17	0.04	48.8	1.15	0.02	0.06
S899377 (9318210)	0.23	<0.01	0.05	<0.01	0.65	0.02	0.04	<0.01	0.05	<0.01	98.9	0.02	<0.01	<0.01

Analyte:	LOI	Total
Unit:	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01
S899368 (9318209)	1.79	100
S899377 (9318210)	0.35	100

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(202-051) Fire Assay - Trace Au, AAS finish

DATE SAMPLED: Jun 10, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

	Analyte:	Au
	Unit:	ppm
Sample ID (AGAT ID)	RDL:	0.002
S899368 (9318209)		0.163
S899377 (9318210)		<0.002

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Jun 10, 2018 | DATE RECEIVED: Jun 07, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
S899368 (9318209)	96.1

Comments: RDL - Reported Detection Limit

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	REPLICATE #1				REPLICATE #2													
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD										
Ag	9318209	4	4	0.0%	9318210	< 1	< 1	0.0%										
Al	9318209	7.78	7.65	1.7%	9318210	0.12	0.12	0.0%										
As	9318209	< 5	< 5	0.0%	9318210	< 5	< 5	0.0%										
B	9318209	< 20	< 20	0.0%	9318210	< 20	< 20	0.0%										
Ba	9318209	68.5	68.2	0.4%	9318210	3.6	3.5	2.8%										
Be	9318209	< 5	< 5	0.0%	9318210	< 5	< 5	0.0%										
Bi	9318209	1.05	1.30	21.3%	9318210	0.6	0.6	0.0%										
Ca	9318209	6.70	6.62	1.2%	9318210	0.064	0.066	3.1%										
Cd	9318209	0.7	0.7	0.0%	9318210	< 0.2	< 0.2	0.0%										
Ce	9318209	9.7	9.6	1.0%	9318210	0.4	0.4	0.0%										
Co	9318209	68.2	69.2	1.5%	9318210	3.31	3.24	2.1%										
Cr	9318209	0.013	0.013	0.0%	9318210	0.006	0.005	18.2%										
Cs	9318209	0.8	0.8	0.0%	9318210	< 0.1	< 0.1	0.0%										
Cu	9318209	6200	6120	1.3%	9318210	46	39	16.5%										
Dy	9318209	1.72	1.73	0.6%	9318210	< 0.05	< 0.05	0.0%										
Er	9318209	1.02	1.03	1.0%	9318210	< 0.05	< 0.05	0.0%										
Eu	9318209	1.00	1.03	3.0%	9318210	0.12	0.07											
Fe	9318209	9.37	9.26	1.2%	9318210	0.45	0.46	2.2%										
Ga	9318209	16.8	16.6	1.2%	9318210	0.39	0.44	12.0%										
Gd	9318209	1.66	1.69	1.8%	9318210	< 0.05	< 0.05	0.0%										
Ge	9318209	1	2		9318210	2	2	0.0%										
Hf	9318209	< 1	1		9318210	< 1	< 1	0.0%										
Ho	9318209	0.365	0.353	3.3%	9318210	< 0.05	< 0.05	0.0%										
In	9318209	< 0.2	< 0.2	0.0%	9318210	< 0.2	< 0.2	0.0%										
K	9318209	0.289	0.280	3.2%	9318210	< 0.05	< 0.05	0.0%										
La	9318209	4.33	4.37	0.9%	9318210	0.2	0.2	0.0%										
Li	9318209	< 10	< 10	0.0%	9318210	< 10	< 10	0.0%										
Lu	9318209	0.142	0.157	10.0%	9318210	< 0.05	< 0.05	0.0%										
Mg	9318209	3.83	3.75	2.1%	9318210	0.03	0.03	0.0%										
Mn	9318209	1220	1220	0.0%	9318210	24	23	4.3%										
Mo	9318209	4	3	28.6%	9318210	8	7	13.3%										

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ATTENTION TO: Grant Mourre

Nb	9318209	1	1	0.0%	9318210	< 1	< 1	0.0%								
Nd	9318209	5.4	5.4	0.0%	9318210	0.2	0.2	0.0%								
Ni	9318209	1530	1560	1.9%	9318210	19	15	23.5%								
P	9318209	0.02	0.02	0.0%	9318210	< 0.01	< 0.01	0.0%								
Pb	9318209	< 5	< 5	0.0%	9318210	< 5	< 5	0.0%								
Pr	9318209	1.23	1.24	0.8%	9318210	< 0.05	< 0.05	0.0%								
Rb	9318209	8.5	8.3	2.4%	9318210	0.89	0.96	7.6%								
S	9318209	0.805	0.795	1.3%	9318210	0.132	0.112	16.4%								
Sb	9318209	< 0.1	< 0.1	0.0%	9318210	< 0.1	< 0.1	0.0%								
Sc	9318209	29	29	0.0%	9318210	< 5	< 5	0.0%								
Si	9318209	22.6	22.3	1.3%	9318210	45.2	47.2	4.3%								
Sm	9318209	1.4	1.4	0.0%	9318210	< 0.1	< 0.1	0.0%								
Sn	9318209	< 1	1		9318210	< 1	< 1	0.0%								
Sr	9318209	195	193	1.0%	9318210	7.7	6.2	21.6%								
Ta	9318209	< 0.5	< 0.5	0.0%	9318210	< 0.5	< 0.5	0.0%								
Tb	9318209	0.275	0.260	5.6%	9318210	< 0.05	< 0.05	0.0%								
Th	9318209	0.7	0.7	0.0%	9318210	< 0.1	< 0.1	0.0%								
Ti	9318209	0.68	0.68	0.0%	9318210	< 0.01	< 0.01	0.0%								
Tl	9318209	< 0.5	< 0.5	0.0%	9318210	< 0.5	< 0.5	0.0%								
Tm	9318209	0.141	0.156	10.1%	9318210	< 0.05	< 0.05	0.0%								
U	9318209	0.17	0.18	5.7%	9318210	< 0.05	< 0.05	0.0%								
V	9318209	296	299	1.0%	9318210	< 5	< 5	0.0%								
W	9318209	< 1	< 1	0.0%	9318210	< 1	< 1	0.0%								
Y	9318209	9.2	9.2	0.0%	9318210	< 0.5	< 0.5	0.0%								
Yb	9318209	1.0	1.0	0.0%	9318210	< 0.1	< 0.1	0.0%								
Zn	9318209	88	85	3.5%	9318210	5	< 5									
Zr	9318209	34.3	36.6	6.5%	9318210	1.8	1.3									

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Al2O3	9318209	15.2	15.0	1.3%	9318210	0.232	0.251	7.9%								
BaO	9318209	0.01	0.01	0.0%	9318210	< 0.01	< 0.01	0.0%								
CaO	9318209	9.88	9.71	1.7%	9318210	0.05	0.06	18.2%								
Cr2O3	9318209	0.02	0.02	0.0%	9318210	< 0.01	< 0.01	0.0%								

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PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

Fe2O3	9318209	14.0	13.8	1.4%	9318210	0.653	0.633	3.1%								
K2O	9318209	0.327	0.314	4.1%	9318210	0.02	0.02	0.0%								
MgO	9318209	6.49	6.43	0.9%	9318210	0.043	0.048	11.0%								
MnO	9318209	0.17	0.17	0.0%	9318210	< 0.01	< 0.01	0.0%								
Na2O	9318209	2.17	2.15	0.9%	9318210	0.05	0.06	18.2%								
P2O5	9318209	0.04	0.04	0.0%	9318210	< 0.01	0.01									
SiO2	9318209	48.8	48.0	1.7%	9318210	98.9	96.0	3.0%								
TiO2	9318209	1.15	1.12	2.6%	9318210	0.02	0.02	0.0%								
SrO	9318209	0.02	0.01		9318210	< 0.01	< 0.01	0.0%								
V2O5	9318209	0.06	0.06	0.0%	9318210	< 0.01	< 0.01	0.0%								
LOI	9318209	1.79	1.72	4.0%	9318210	0.35	0.35	0.0%								
(202-051) Fire Assay - Trace Au, AAS finish																
	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	9318209	0.163	0.152	7.0%	9318210	< 0.002	0.005									

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 18B348987

PROJECT: PGEN

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	CRM #1 (ref.SY-4)				CRM #2				CRM #3							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.64	97%	90% - 110%												
Ba	340	322	95%	90% - 110%												
Be	2.6	2.8	110%	90% - 110%												
Ca	5.72	5.44	95%	90% - 110%												
Ce	122	123	101%	90% - 110%												
Co	2.8	2.6	91%	90% - 110%												
Cs	1.5	1.6	105%	90% - 110%												
Dy	18.2	19.2	106%	90% - 110%												
Er	14.2	15.2	107%	90% - 110%												
Eu	2.0	1.98	99%	90% - 110%												
Fe	4.34	4.2	97%	90% - 110%												
Ga	35	36	104%	90% - 110%												
Gd	14	15	110%	90% - 110%												
Hf	10.6	11.4	107%	90% - 110%												
Ho	4.3	4.4	103%	90% - 110%												
K	1.37	1.43	105%	90% - 110%												
La	58	58	100%	90% - 110%												
Li	37	36.9	100%	90% - 110%												
Lu	2.1	2.2	103%	90% - 110%												
Mg	0.325	0.305	94%	90% - 110%												
Mn	836	782	93%	90% - 110%												
Nb	13	13	100%	90% - 110%												
Nd	57	58	102%	90% - 110%												
Ni	9	8	87%	90% - 110%												
Pb	10	9	91%	90% - 110%												
Pr	15.0	14.9	99%	90% - 110%												
Rb	55	55	100%	90% - 110%												
Si	23.3	23	99%	90% - 110%												
Sm	12.7	12.6	99%	90% - 110%												
Sn	7.1	7.3	102%	90% - 110%												
Sr	1191	1157	97%	90% - 110%												

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

Tb	2.6	2.8	108%	90% - 110%												
Th	1.4	1.3	91%	90% - 110%												
Ti	0.172	0.172	100%	90% - 110%												
Tm	2.3	2.3	100%	90% - 110%												
U	0.8	0.8	95%	90% - 110%												
V	8	6	74%	90% - 110%												
Y	119	117	98%	90% - 110%												
Yb	14.8	15.4	104%	90% - 110%												
Zn	93	91	98%	90% - 110%												
Zr	517	568	110%	90% - 110%												

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

	CRM #1 (ref.SY-4)				CRM #2				CRM #3							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al2O3	20.7	20.7	100%	90% - 110%												
BaO	0.038	0.040	105%	90% - 110%												
CaO	8.05	7.93	99%	90% - 110%												
Fe2O3	6.21	6.24	101%	90% - 110%												
K2O	1.66	1.64	99%	90% - 110%												
MgO	0.54	0.5	92%	90% - 110%												
MnO	0.108	0.106	98%	90% - 110%												
Na2O	7.1	7.1	99%	90% - 110%												
P2O5	0.131	0.131	100%	90% - 110%												
SiO2	49.9	49.7	100%	90% - 110%												
TiO2	0.287	0.284	99%	90% - 110%												
SrO	0.141	0.135	96%	90% - 110%												
LOI					4.56	4.27	93%	90% - 110%	4.56	4.27	93%	90% - 110%				

(202-051) Fire Assay - Trace Au, AAS finish

	CRM #1 (ref.GSP4G)				CRM #2				CRM #3							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	0.468	0.469	100%	90% - 110%												

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Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 18B348987

PROJECT: PGEN

ATTENTION TO: Grant Mourre

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS

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Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 18B348987

PROJECT: PGEN

ATTENTION TO: Grant Mourre

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Al2O3	MIN-200-12027		XRF
BaO	MIN-200-12027		XRF
CaO	MIN-200-12027		XRF
Cr2O3	MIN-200-12027		XRF
Fe2O3	MIN-200-12027		XRF
K2O	MIN-200-12027		XRF
MgO	MIN-200-12027		XRF
MnO	MIN-200-12027		XRF
Na2O	MIN-200-12027		XRF
P2O5	MIN-200-12027		XRF
SiO2	MIN-200-12027		XRF
TiO2	MIN-200-12027		XRF
SrO	MIN-200-12027		XRF
V2O5	MIN-200-12027		XRF
LOI	MIN-200-12021		GRAVIMETRIC
Total	MIN-200-12027		CALCULATION
Au	MIN-12004 MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA
Pass %			BALANCE

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CLIENT NAME: MISC AGAT CLIENT ON
410 FALCONBRIDGE RD
SUDBURY, ON P3A4S4
(705) 669-0590

ATTENTION TO: Grant Mourre

PROJECT: Transition Metals Corp

AGAT WORK ORDER: 18B375829

SOLID ANALYSIS REVIEWED BY: Adel Mina, Mining Chief Chemist

DATE REPORTED: Oct 16, 2018

PAGES (INCLUDING COVER): 32

Should you require any information regarding this analysis please contact your client services representative at (905) 501-9998

*NOTES

All samples are stored at no charge for 90 days. Please contact the lab if you require additional sample storage time.

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(200-) Sample Login Weight

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E1590060 (9485742)	1.37
E1590061 (9485743)	2.186
E1590062 (9485744)	.942
E1590063 (9485745)	1.34
E1590064 (9485746)	1.4
E1590065 (9485747)	1.046
E1590066 (9485748)	.954
E1590067 (9485749)	1.102
E1590068 (9485750)	1.388
E1590069 (9485751)	.94
E1590070 (9485752)	1.16
E1590071 (9485753)	1.292
E1590072 (9485754)	1.926
E1590073 (9485755)	1.088
E1590074 (9485756)	1.14
E1590075 (9485757)	1.024
E1590076 (9485758)	.632
E1590077 (9485759)	2.212
E1590078 (9485760)	2.772
E1590079 (9485761)	.532
E1590080 (9485762)	1.364
E1590081 (9485763)	.736
E1590082 (9485764)	1.354
E1590083 (9485765)	.624
E1590084 (9485766)	.488
E1590085 (9485767)	.912
E1590086 (9485768)	1.008
E1590087 (9485769)	1.078
E1590088 (9485770)	1.162
E1590089 (9485771)	.848
E1590090 (9485772)	1.186

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(200-) Sample Login Weight

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E1590091 (9485773)	1.162
E1590092 (9485774)	1.034
E1590093 (9485775)	1.394
E1590094 (9485776)	.852
E1590095 (9485777)	1.062
E1590096 (9485778)	.982
E1590097 (9485779)	1.144
E1590098 (9485780)	.84
E1590099 (9485781)	.564
E1590100 (9485782)	1.138
E1590101 (9485783)	1.9
E1590102 (9485784)	1.178
E1590103 (9485785)	1.416
E1590104 (9485786)	1.184
E1590105 (9485787)	.796
E1590106 (9485788)	1.108
E1590107 (9485789)	.902
E1590108 (9485790)	1.516
E1590109 (9485791)	1.178
E1590110 (9485792)	.46
E1590111 (9485793)	1.312
E1590112 (9485794)	1.286
E1590113 (9485795)	1.178

Comments: RDL - Reported Detection Limit

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E1590060 (9485742)	<1	8.59	<5	<20	285	<5	<0.1	4.95	0.3	37.0	21.0	0.006	0.9	36
E1590061 (9485743)	<1	8.01	<5	<20	71.7	<5	0.1	8.06	0.3	11.3	49.8	0.015	0.4	34
E1590062 (9485744)	<1	8.78	<5	<20	400	<5	<0.1	3.95	0.4	37.4	18.8	<0.005	2.6	46
E1590063 (9485745)	<1	7.93	<5	<20	53.6	<5	<0.1	7.59	0.4	9.8	48.6	0.017	0.3	82
E1590066 (9485748)	<1	8.62	<5	<20	252	<5	<0.1	5.37	0.3	31.8	29.5	0.008	1.5	61
E1590069 (9485751)	<1	8.99	<5	22	148	<5	<0.1	6.46	0.3	16.7	41.8	0.010	1.5	148
E1590070 (9485752)	<1	7.66	<5	<20	25.3	<5	0.2	8.42	0.4	7.5	60.1	0.023	0.2	216
E1590071 (9485753)	<1	7.51	<5	<20	164	<5	<0.1	6.34	0.4	19.7	45.0	0.029	0.7	59
E1590072 (9485754)	<1	8.72	<5	<20	146	<5	<0.1	4.76	0.3	22.1	23.5	0.007	1.2	16
E1590073 (9485755)	<1	7.89	<5	<20	87.1	<5	<0.1	7.33	0.4	10.4	59.4	0.026	0.6	92
E1590074 (9485756)	<1	7.20	<5	24	133	<5	<0.1	5.79	0.4	14.6	46.2	0.035	0.8	25
E1590075 (9485757)	<1	7.42	<5	<20	96.7	<5	<0.1	8.04	0.4	8.9	53.4	0.026	0.4	72
E1590076 (9485758)	<1	8.42	<5	<20	179	<5	<0.1	5.65	0.4	19.4	35.7	0.018	0.9	58
E1590077 (9485759)	<1	9.52	<5	<20	183	<5	<0.1	6.22	0.3	21.8	33.3	0.009	1.0	69
E1590078 (9485760)	<1	8.97	<5	20	247	<5	<0.1	5.12	0.4	34.0	22.5	0.005	0.9	66
E1590079 (9485761)	<1	8.79	<5	<20	209	<5	<0.1	4.99	0.3	26.2	26.7	0.008	1.4	69
E1590080 (9485762)	<1	8.87	<5	<20	175	<5	<0.1	5.79	0.3	32.2	30.3	0.008	1.1	54
E1590081 (9485763)	<1	8.23	<5	<20	397	<5	0.1	3.64	0.3	33.0	17.8	<0.005	2.0	24
E1590083 (9485765)	<1	5.27	<5	20	107	<5	0.1	4.93	0.3	17.9	61.9	0.049	1.2	41
E1590084 (9485766)	<1	6.63	<5	<20	176	<5	<0.1	4.94	0.4	18.3	49.7	0.039	0.8	28
E1590085 (9485767)	<1	8.64	<5	27	277	<5	0.2	4.82	0.3	25.1	31.5	0.011	0.8	50
E1590086 (9485768)	<1	9.52	6	<20	131	<5	0.2	6.10	0.4	14.4	40.8	<0.005	0.9	97
E1590087 (9485769)	<1	8.53	<5	<20	300	<5	<0.1	4.13	0.3	29.6	21.2	0.006	1.5	12
E1590088 (9485770)	<1	6.77	<5	<20	94.6	<5	0.3	7.60	0.4	7.4	62.5	0.030	0.6	92
E1590089 (9485771)	<1	6.35	<5	<20	41.9	<5	<0.1	7.85	0.3	8.2	63.0	0.032	0.7	77
E1590090 (9485772)	<1	6.51	<5	<20	72.3	<5	0.3	7.65	0.4	10.8	61.1	0.033	1.6	93
E1590091 (9485773)	<1	9.17	<5	<20	261	<5	<0.1	4.87	0.3	20.9	34.1	0.009	2.0	49
E1590092 (9485774)	<1	7.50	<5	21	169	<5	0.3	6.84	0.4	20.6	54.9	0.027	1.1	186
E1590093 (9485775)	<1	9.40	<5	<20	130	<5	<0.1	7.89	0.4	10.1	57.5	<0.005	1.2	156
E1590094 (9485776)	<1	8.62	<5	<20	446	<5	0.2	4.18	0.3	38.3	21.0	<0.005	1.5	39
E1590095 (9485777)	<1	8.20	<5	<20	76.8	<5	0.3	8.36	0.4	11.7	51.7	0.032	1.4	107
E1590096 (9485778)	<1	9.00	<5	<20	278	<5	0.2	5.36	0.3	33.8	29.9	<0.005	1.4	56

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E1590097 (9485779)	<1	7.19	<5	<20	126	<5	0.2	6.61	0.4	25.3	45.1	0.006	0.7	92
E1590098 (9485780)	<1	9.35	<5	21	155	<5	<0.1	7.06	0.3	15.3	44.4	0.013	1.0	94
E1590099 (9485781)	<1	8.98	<5	22	94.0	<5	0.3	6.98	0.4	8.7	43.4	0.011	0.7	69
E1590100 (9485782)	<1	6.79	<5	<20	37.6	<5	<0.1	6.51	0.3	6.6	63.7	0.069	0.3	54
E1590101 (9485783)	<1	7.38	<5	<20	93.4	<5	<0.1	7.99	0.3	13.8	52.1	0.030	1.1	107
E1590102 (9485784)	<1	5.78	<5	<20	42.7	<5	<0.1	6.23	0.3	6.7	77.9	0.067	0.5	47
E1590103 (9485785)	<1	7.13	<5	<20	52.5	<5	<0.1	7.08	0.4	11.6	45.5	0.008	0.2	127
E1590104 (9485786)	<1	7.66	<5	<20	27.6	<5	<0.1	7.01	0.3	10.4	59.5	0.011	0.1	198
E1590105 (9485787)	<1	8.90	<5	<20	204	<5	<0.1	5.98	0.3	30.1	44.3	0.017	1.1	105
E1590106 (9485788)	<1	9.24	<5	<20	193	<5	<0.1	5.57	0.4	28.0	29.1	0.008	1.2	47
E1590107 (9485789)	<1	8.95	<5	<20	355	<5	<0.1	4.52	0.3	32.8	22.0	0.008	1.9	34
E1590108 (9485790)	<1	5.39	7	34	151	<5	<0.1	5.37	0.4	20.6	40.3	<0.005	1.6	134
E1590110 (9485792)	<1	8.81	<5	<20	25.2	<5	<0.1	7.32	0.4	6.5	48.6	0.018	<0.1	99
E1590111 (9485793)	<1	7.16	<5	21	18.3	<5	<0.1	6.60	0.5	15.4	49.3	<0.005	0.4	81
E1590112 (9485794)	<1	7.30	<5	<20	31.3	<5	<0.1	6.17	0.4	19.9	51.0	<0.005	0.3	144
E1590113 (9485795)	<1	7.71	<5	<20	13.6	<5	<0.1	9.59	0.4	6.9	43.8	0.012	<0.1	86

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E1590060 (9485742)	3.29	1.91	1.13	4.92	19.5	4.07	1	5	0.67	<0.2	0.80	16.7	23	0.27
E1590061 (9485743)	2.77	1.70	0.70	8.23	16.5	2.33	2	1	0.60	<0.2	0.31	5.0	21	0.26
E1590062 (9485744)	2.11	1.22	0.96	4.31	18.2	2.69	1	3	0.44	<0.2	1.31	18.5	25	0.19
E1590063 (9485745)	1.81	1.10	0.58	7.56	15.8	1.71	2	1	0.38	<0.2	0.20	4.3	18	0.16
E1590066 (9485748)	2.67	1.38	1.01	5.59	18.9	2.94	1	3	0.50	<0.2	0.89	15.1	18	0.24
E1590069 (9485751)	2.46	1.47	0.74	6.91	17.4	2.37	1	2	0.53	<0.2	0.60	7.7	17	0.23
E1590070 (9485752)	3.93	2.23	0.94	11.0	19.7	3.04	2	1	0.80	<0.2	0.21	2.5	16	0.33
E1590071 (9485753)	2.43	1.56	0.67	7.09	16.2	2.45	1	5	0.52	<0.2	0.68	8.8	24	0.24
E1590072 (9485754)	1.82	0.87	0.89	5.07	18.0	1.93	1	4	0.36	<0.2	0.50	11.2	18	0.15
E1590073 (9485755)	2.20	1.30	0.62	7.79	14.6	1.99	1	1	0.49	<0.2	0.41	4.7	21	0.20
E1590074 (9485756)	1.87	1.18	0.62	6.85	13.7	1.83	1	<1	0.41	<0.2	0.64	6.6	33	0.18
E1590075 (9485757)	2.19	1.37	0.65	8.35	15.0	1.85	2	<1	0.45	<0.2	0.40	4.1	15	0.21
E1590076 (9485758)	1.91	1.12	0.66	6.64	17.1	1.93	1	2	0.38	<0.2	0.81	9.3	23	0.17
E1590077 (9485759)	2.39	1.39	0.86	6.22	18.5	2.63	1	2	0.51	<0.2	0.65	9.4	26	0.19
E1590078 (9485760)	2.68	1.49	1.04	5.09	19.5	3.00	1	4	0.54	<0.2	0.99	16.2	20	0.22
E1590079 (9485761)	2.32	1.29	0.79	5.33	19.1	2.44	1	4	0.48	<0.2	0.61	12.6	21	0.22
E1590080 (9485762)	2.52	1.43	0.94	5.77	18.2	2.84	1	4	0.52	<0.2	0.67	14.5	23	0.21
E1590081 (9485763)	2.14	1.23	0.79	4.05	17.6	2.54	1	4	0.44	<0.2	1.14	16.4	23	0.21
E1590083 (9485765)	2.78	1.75	0.51	8.47	12.0	2.52	2	2	0.61	<0.2	0.46	7.3	32	0.30
E1590084 (9485766)	2.33	1.46	0.59	7.39	13.4	2.31	2	1	0.48	<0.2	0.83	7.8	30	0.23
E1590085 (9485767)	2.75	1.56	0.91	6.21	17.5	2.90	1	3	0.58	<0.2	1.12	12.3	29	0.24
E1590086 (9485768)	1.33	0.79	0.63	6.79	19.6	1.41	1	1	0.27	<0.2	0.59	7.2	16	0.11
E1590087 (9485769)	2.20	1.29	0.90	4.74	18.3	2.57	1	4	0.45	<0.2	0.98	14.6	28	0.21
E1590088 (9485770)	1.85	1.17	0.64	9.90	14.8	1.78	2	<1	0.41	<0.2	0.34	3.0	17	0.16
E1590089 (9485771)	2.23	1.33	0.69	10.5	14.4	2.10	2	1	0.48	<0.2	0.17	3.3	22	0.21
E1590090 (9485772)	2.44	1.39	0.77	9.89	14.8	2.37	2	1	0.52	<0.2	0.29	4.5	23	0.22
E1590091 (9485773)	2.20	1.26	0.88	6.57	18.5	2.26	1	2	0.48	<0.2	1.17	10.2	36	0.20
E1590092 (9485774)	3.48	2.06	1.07	9.32	16.7	3.54	2	2	0.74	<0.2	0.69	8.2	23	0.30
E1590093 (9485775)	2.02	1.32	0.72	9.67	18.5	1.96	1	<1	0.45	<0.2	0.39	4.4	23	0.18
E1590094 (9485776)	2.41	1.45	0.85	4.55	18.5	2.92	1	4	0.50	<0.2	1.26	18.7	28	0.22
E1590095 (9485777)	2.57	1.57	1.01	8.57	16.4	2.52	1	1	0.56	<0.2	0.32	4.7	19	0.23
E1590096 (9485778)	2.23	1.29	0.77	5.14	17.2	2.52	1	2	0.49	<0.2	0.94	16.0	28	0.18

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E1590097 (9485779)	3.71	2.18	1.04	12.1	19.2	3.45	2	3	0.77	<0.2	0.49	10.5	19	0.35
E1590098 (9485780)	1.68	1.00	0.52	7.70	18.1	1.83	1	2	0.34	<0.2	0.58	7.1	19	0.15
E1590099 (9485781)	1.97	1.24	0.73	8.85	19.6	1.72	2	<1	0.41	<0.2	0.35	3.7	19	0.20
E1590100 (9485782)	1.39	0.83	0.47	9.53	13.7	1.27	2	<1	0.27	<0.2	0.19	2.9	27	0.13
E1590101 (9485783)	2.05	1.19	0.55	6.69	14.3	1.98	2	1	0.44	<0.2	0.35	6.3	11	0.17
E1590102 (9485784)	1.62	1.04	0.45	9.22	10.4	1.48	2	<1	0.34	<0.2	0.17	2.3	23	0.17
E1590103 (9485785)	3.76	2.44	0.98	10.9	19.5	3.48	2	2	0.82	<0.2	0.22	4.6	<10	0.34
E1590104 (9485786)	3.43	2.19	0.89	11.1	20.4	3.08	2	2	0.74	<0.2	0.17	4.1	18	0.31
E1590105 (9485787)	2.82	1.64	1.01	7.39	16.8	3.01	1	2	0.57	<0.2	0.60	12.7	18	0.24
E1590106 (9485788)	2.43	1.35	0.87	5.70	18.2	2.65	1	3	0.49	<0.2	0.64	13.1	15	0.21
E1590107 (9485789)	2.15	1.22	0.77	4.50	17.7	2.52	1	3	0.42	<0.2	1.05	16.6	30	0.18
E1590108 (9485790)	2.42	1.53	0.50	25.5	19.4	2.67	2	3	0.53	<0.2	0.65	9.7	17	0.28
E1590110 (9485792)	2.80	1.76	0.65	9.04	15.9	2.30	2	1	0.61	<0.2	0.16	2.5	13	0.29
E1590111 (9485793)	5.18	3.28	1.17	12.4	21.5	4.40	2	3	1.10	<0.2	0.14	5.9	<10	0.52
E1590112 (9485794)	6.14	3.68	1.39	12.6	23.7	4.96	2	3	1.25	<0.2	0.22	8.2	<10	0.56
E1590113 (9485795)	2.73	1.66	0.68	8.37	16.2	2.19	2	1	0.59	<0.2	0.05	2.7	<10	0.26

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E1590060 (9485742)	1.57	771	2	6	19.7	38	0.08	<5	4.85	25.3	<0.01	<0.1	14	29.5
E1590061 (9485743)	4.38	1340	2	2	6.8	100	0.03	<5	1.55	10.6	<0.01	0.2	37	22.6
E1590062 (9485744)	1.45	663	<2	5	16.4	25	0.09	5	4.30	59.4	<0.01	0.5	12	27.9
E1590063 (9485745)	4.52	1350	2	2	5.6	136	0.03	<5	1.28	5.8	<0.01	0.2	33	23.4
E1590066 (9485748)	2.41	879	3	5	14.9	66	0.07	<5	3.84	34.6	<0.01	0.1	17	26.8
E1590069 (9485751)	3.38	1120	2	3	8.6	107	0.03	<5	2.13	21.8	0.03	<0.1	25	24.1
E1590070 (9485752)	4.54	1780	<2	2	6.7	85	0.04	<5	1.26	3.3	0.05	0.1	42	21.5
E1590071 (9485753)	4.58	1220	<2	2	9.9	168	0.03	<5	2.43	27.8	<0.01	0.2	26	25.6
E1590072 (9485754)	1.96	818	3	3	9.9	50	0.07	<5	2.64	18.1	<0.01	<0.1	14	27.6
E1590073 (9485755)	5.87	1370	2	1	6.0	247	0.02	<5	1.35	14.7	0.02	0.1	31	22.5
E1590074 (9485756)	5.72	1270	2	2	7.4	219	0.04	<5	1.85	30.5	<0.01	<0.1	25	24.6
E1590075 (9485757)	4.96	1440	<2	<1	5.2	122	0.01	<5	1.17	14.4	<0.01	0.3	41	22.9
E1590076 (9485758)	3.54	1070	2	4	8.7	108	0.04	<5	2.26	33.8	<0.01	<0.1	24	25.3
E1590077 (9485759)	2.81	959	2	3	11.9	69	0.05	<5	2.81	27.4	<0.01	0.1	22	25.7
E1590078 (9485760)	1.64	818	2	5	15.2	41	0.07	<5	4.11	35.0	<0.01	1.3	15	27.5
E1590079 (9485761)	2.05	896	4	5	12.1	53	0.06	<5	3.13	25.8	<0.01	0.1	17	27.9
E1590080 (9485762)	2.62	963	3	4	15.4	71	0.07	<5	4.05	30.1	<0.01	<0.1	20	26.7
E1590081 (9485763)	1.45	617	3	5	13.6	34	0.05	5	3.72	49.8	<0.01	<0.1	11	29.9
E1590083 (9485765)	6.86	1520	3	2	9.2	263	0.04	<5	2.22	16.9	<0.01	<0.1	28	25.2
E1590084 (9485766)	6.27	1370	4	2	9.4	222	0.03	<5	2.32	40.3	<0.01	0.1	26	26.4
E1590085 (9485767)	2.59	1000	2	4	12.5	76	0.06	<5	3.07	45.0	<0.01	<0.1	20	26.9
E1590086 (9485768)	2.56	863	3	2	6.3	44	0.03	<5	1.69	19.8	0.01	0.4	20	25.1
E1590087 (9485769)	1.81	730	3	5	13.8	45	0.07	<5	3.44	37.1	<0.01	0.2	13	29.1
E1590088 (9485770)	5.83	1460	4	1	5.1	185	0.02	<5	1.04	13.0	0.03	0.1	40	22.8
E1590089 (9485771)	6.29	1620	3	1	5.7	200	0.02	<5	1.24	3.5	<0.01	0.1	43	22.9
E1590090 (9485772)	6.07	1550	4	2	6.9	195	0.03	<5	1.53	10.9	<0.01	<0.1	41	23.5
E1590091 (9485773)	2.91	1190	3	5	9.5	73	0.05	<5	2.49	44.9	<0.01	<0.1	18	26.6
E1590092 (9485774)	4.99	1450	2	3	12.4	162	0.07	<5	2.89	31.1	0.21	<0.1	35	22.6
E1590093 (9485775)	3.75	1220	<2	1	6.2	147	0.03	<5	1.38	16.8	0.06	<0.1	31	22.0
E1590094 (9485776)	1.61	736	3	5	16.7	33	0.05	5	4.43	49.9	<0.01	<0.1	14	30.0
E1590095 (9485777)	4.88	1340	2	2	8.0	180	0.03	<5	1.69	11.5	0.02	0.3	36	23.3
E1590096 (9485778)	2.75	894	3	3	14.5	52	0.04	6	3.89	36.7	<0.01	<0.1	19	27.6

Certified By:

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E1590097 (9485779)	3.70	1670	3	6	13.9	73	0.08	<5	3.32	13.1	0.02	0.1	33	23.0
E1590098 (9485780)	3.43	1100	4	4	7.5	91	0.02	<5	1.96	21.2	<0.01	<0.1	23	24.4
E1590099 (9485781)	3.64	1490	4	1	5.5	78	0.03	<5	1.20	9.7	<0.01	<0.1	30	24.5
E1590100 (9485782)	6.84	1650	<2	<1	4.0	285	0.03	<5	0.88	3.9	<0.01	<0.1	32	23.3
E1590101 (9485783)	5.64	1210	3	2	6.8	200	0.03	<5	1.73	14.3	0.04	<0.1	35	24.8
E1590102 (9485784)	9.52	1570	<2	1	4.7	380	0.03	<5	1.02	5.1	<0.01	<0.1	34	23.2
E1590103 (9485785)	3.64	1800	2	3	8.8	45	0.04	<5	1.74	5.0	0.19	<0.1	33	24.8
E1590104 (9485786)	4.74	1730	<2	3	7.8	78	0.04	<5	1.57	1.9	0.19	<0.1	37	22.4
E1590105 (9485787)	3.97	1090	2	3	15.9	168	0.06	<5	3.97	25.6	0.03	2.5	26	24.6
E1590106 (9485788)	2.62	896	<2	5	13.0	69	0.06	<5	3.37	25.6	<0.01	0.2	18	27.4
E1590107 (9485789)	1.95	751	3	5	13.4	54	0.05	5	3.64	47.6	<0.01	<0.1	14	29.8
E1590108 (9485790)	4.22	1720	5	3	10.4	59	0.06	<5	2.53	31.5	0.16	<0.1	19	16.4
E1590110 (9485792)	3.96	1430	2	2	5.2	90	0.03	<5	1.03	1.9	0.03	<0.1	36	23.0
E1590111 (9485793)	2.69	1830	<2	4	11.0	28	0.05	<5	2.24	4.2	<0.01	<0.1	39	24.6
E1590112 (9485794)	2.74	1760	<2	5	13.3	28	0.07	<5	2.83	2.7	<0.01	0.2	38	24.2
E1590113 (9485795)	4.49	1540	<2	2	5.1	77	0.03	<5	1.04	0.8	<0.01	0.2	47	24.2

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E1590060 (9485742)	3.9	9	282	<0.5	0.57	1.6	0.44	<0.5	0.28	0.55	107	1	17.2	1.8
E1590061 (9485743)	1.7	7	161	<0.5	0.41	0.7	0.45	<0.5	0.26	0.15	243	<1	14.6	1.7
E1590062 (9485744)	2.9	8	270	<0.5	0.37	3.6	0.40	<0.5	0.18	0.88	95	<1	11.4	1.2
E1590063 (9485745)	1.3	9	181	<0.5	0.27	0.6	0.42	<0.5	0.15	0.13	253	<1	9.5	1.0
E1590066 (9485748)	2.7	11	217	<0.5	0.41	2.6	0.41	<0.5	0.21	0.44	138	<1	13.2	1.5
E1590069 (9485751)	2.0	12	165	<0.5	0.35	1.0	0.50	<0.5	0.22	0.24	206	<1	12.9	1.4
E1590070 (9485752)	2.2	10	132	<0.5	0.52	0.2	0.75	<0.5	0.33	<0.05	340	<1	19.7	2.2
E1590071 (9485753)	2.2	9	144	<0.5	0.36	2.2	0.21	<0.5	0.21	0.42	121	<1	12.9	1.4
E1590072 (9485754)	1.9	11	243	<0.5	0.29	1.5	0.39	<0.5	0.15	0.40	106	<1	8.9	1.0
E1590073 (9485755)	1.5	13	150	<0.5	0.30	0.6	0.31	<0.5	0.21	0.16	177	<1	11.3	1.3
E1590074 (9485756)	1.7	11	142	<0.5	0.31	0.8	0.28	<0.5	0.17	0.24	125	<1	10.1	1.2
E1590075 (9485757)	1.4	11	126	<0.5	0.31	0.3	0.42	<0.5	0.20	0.10	274	<1	11.3	1.3
E1590076 (9485758)	1.8	10	192	<0.5	0.31	1.6	0.44	<0.5	0.18	0.37	225	<1	10.0	1.1
E1590077 (9485759)	2.5	10	246	<0.5	0.40	1.3	0.44	<0.5	0.19	0.33	160	<1	12.3	1.3
E1590078 (9485760)	3.0	12	214	<0.5	0.45	1.2	0.40	<0.5	0.22	0.31	107	<1	13.9	1.5
E1590079 (9485761)	2.3	11	245	<0.5	0.36	1.4	0.39	<0.5	0.19	0.38	118	<1	11.8	1.3
E1590080 (9485762)	3.1	11	233	<0.5	0.41	2.0	0.37	<0.5	0.21	0.49	135	<1	12.6	1.4
E1590081 (9485763)	2.5	9	205	<0.5	0.34	2.9	0.34	<0.5	0.19	0.58	86	<1	11.4	1.3
E1590083 (9485765)	2.2	12	49.1	<0.5	0.40	1.0	0.27	<0.5	0.26	0.23	143	<1	15.3	1.9
E1590084 (9485766)	2.2	4	120	<0.5	0.37	1.1	0.23	<0.5	0.22	0.28	120	<1	12.7	1.5
E1590085 (9485767)	2.7	2	193	<0.5	0.42	1.4	0.42	<0.5	0.23	0.42	129	<1	14.0	1.6
E1590086 (9485768)	1.4	3	278	<0.5	0.21	1.1	0.38	<0.5	0.12	0.23	514	<1	6.9	0.7
E1590087 (9485769)	2.7	3	242	<0.5	0.34	1.6	0.39	<0.5	0.19	0.46	102	<1	11.4	1.2
E1590088 (9485770)	1.4	5	164	<0.5	0.29	0.4	0.77	<0.5	0.16	0.09	302	<1	9.6	1.1
E1590089 (9485771)	1.6	4	143	<0.5	0.32	0.4	0.79	<0.5	0.19	0.10	292	<1	11.6	1.3
E1590090 (9485772)	1.7	2	149	<0.5	0.36	0.6	0.69	<0.5	0.23	0.13	244	<1	12.5	1.3
E1590091 (9485773)	2.0	3	231	<0.5	0.35	1.7	0.45	<0.5	0.21	0.46	131	<1	11.2	1.3
E1590092 (9485774)	3.0	4	169	<0.5	0.53	0.8	0.69	<0.5	0.29	0.21	263	<1	18.0	2.0
E1590093 (9485775)	1.6	3	252	<0.5	0.30	0.5	0.68	<0.5	0.17	0.10	467	<1	10.5	1.2
E1590094 (9485776)	3.0	3	283	<0.5	0.41	2.4	0.34	<0.5	0.22	0.66	106	<1	12.8	1.4
E1590095 (9485777)	2.0	2	220	<0.5	0.40	0.4	0.58	<0.5	0.22	0.09	216	<1	12.9	1.4
E1590096 (9485778)	2.6	3	293	<0.5	0.38	2.7	0.26	<0.5	0.20	0.48	111	<1	11.7	1.3

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E1590097 (9485779)	3.1	2	162	<0.5	0.57	1.1	1.10	<0.5	0.33	0.36	421	<1	18.9	2.1
E1590098 (9485780)	1.7	2	259	<0.5	0.25	1.3	0.65	<0.5	0.15	0.33	314	<1	8.5	1.0
E1590099 (9485781)	1.4	1	205	<0.5	0.30	0.2	0.45	<0.5	0.19	0.07	251	<1	10.5	1.3
E1590100 (9485782)	1.0	2	96.6	<0.5	0.19	0.3	0.28	<0.5	0.13	0.06	198	<1	6.9	0.9
E1590101 (9485783)	1.5	3	163	<0.5	0.29	0.9	0.26	<0.5	0.18	0.20	163	<1	10.4	1.2
E1590102 (9485784)	1.3	4	74.9	<0.5	0.24	0.5	0.26	<0.5	0.16	0.13	153	<1	8.7	1.1
E1590103 (9485785)	2.6	3	122	<0.5	0.58	0.5	0.67	<0.5	0.35	0.21	287	<1	21.1	2.4
E1590104 (9485786)	2.3	3	120	<0.5	0.51	0.4	0.75	<0.5	0.29	0.10	369	<1	17.9	1.9
E1590105 (9485787)	3.0	2	395	<0.5	0.46	1.5	0.47	<0.5	0.24	0.34	194	<1	14.0	1.6
E1590106 (9485788)	2.8	2	226	<0.5	0.40	1.8	0.38	<0.5	0.20	0.36	130	<1	12.5	1.3
E1590107 (9485789)	2.6	2	205	<0.5	0.34	3.1	0.31	<0.5	0.19	0.72	99	<1	11.0	1.3
E1590108 (9485790)	2.3	5	21.5	<0.5	0.38	1.9	0.26	0.8	0.22	0.46	140	<1	14.8	1.5
E1590110 (9485792)	1.6	1	87.5	<0.5	0.40	0.3	0.44	<0.5	0.27	0.06	221	<1	14.9	1.8
E1590111 (9485793)	3.2	2	102	<0.5	0.72	0.6	0.96	<0.5	0.47	0.17	419	<1	27.7	3.2
E1590112 (9485794)	4.0	4	111	<0.5	0.86	0.7	0.94	<0.5	0.55	0.20	396	<1	31.1	3.7
E1590113 (9485795)	1.7	1	112	<0.5	0.37	0.3	0.46	<0.5	0.27	0.09	272	<1	14.6	1.7

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
E1590060 (9485742)	79	213
E1590061 (9485743)	85	40.5
E1590062 (9485744)	66	107
E1590063 (9485745)	75	43.9
E1590066 (9485748)	78	114
E1590069 (9485751)	71	79.7
E1590070 (9485752)	103	28.3
E1590071 (9485753)	88	187
E1590072 (9485754)	73	160
E1590073 (9485755)	81	34.2
E1590074 (9485756)	83	30.7
E1590075 (9485757)	82	24.5
E1590076 (9485758)	68	58.1
E1590077 (9485759)	80	61.5
E1590078 (9485760)	75	148
E1590079 (9485761)	75	164
E1590080 (9485762)	84	185
E1590081 (9485763)	62	164
E1590083 (9485765)	99	74.3
E1590084 (9485766)	99	49.8
E1590085 (9485767)	75	116
E1590086 (9485768)	68	48.1
E1590087 (9485769)	72	167
E1590088 (9485770)	91	24.8
E1590089 (9485771)	101	32.9
E1590090 (9485772)	96	34.0
E1590091 (9485773)	95	92.0
E1590092 (9485774)	93	57.8
E1590093 (9485775)	83	25.3
E1590094 (9485776)	64	144
E1590095 (9485777)	85	36.6
E1590096 (9485778)	69	78.0

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
E1590097 (9485779)	132	98.0
E1590098 (9485780)	96	63.0
E1590099 (9485781)	94	30.8
E1590100 (9485782)	119	14.3
E1590101 (9485783)	68	46.1
E1590102 (9485784)	80	31.7
E1590103 (9485785)	125	67.5
E1590104 (9485786)	95	52.0
E1590105 (9485787)	80	67.4
E1590106 (9485788)	77	123
E1590107 (9485789)	66	117
E1590108 (9485790)	127	114
E1590110 (9485792)	85	38.5
E1590111 (9485793)	140	86.8
E1590112 (9485794)	145	98.5
E1590113 (9485795)	73	39.5

Comments: RDL - Reported Detection Limit

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	V2O5
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
E1590060 (9485742)	15.6	0.03	6.55	<0.01	6.81	0.87	2.62	0.11	3.65	0.18	61.6	0.75	0.03	0.02
E1590061 (9485743)	14.8	<0.01	11.4	0.02	11.9	0.35	7.72	0.19	1.32	0.06	49.9	0.79	<0.01	0.05
E1590062 (9485744)	16.5	0.06	5.50	<0.01	6.17	1.49	2.39	0.09	3.75	0.19	61.5	0.69	0.01	0.02
E1590063 (9485745)	14.8	<0.01	10.5	0.03	10.8	0.22	8.03	0.18	1.57	0.05	50.9	0.74	0.02	0.05
E1590066 (9485748)	16.0	0.03	7.46	0.01	7.87	0.99	3.92	0.12	2.94	0.13	58.0	0.71	0.02	0.03
E1590069 (9485751)	16.6	<0.01	9.03	0.01	9.99	0.69	5.73	0.16	2.33	0.07	53.1	0.90	<0.01	0.04
E1590070 (9485752)	14.0	<0.01	11.7	0.04	15.8	0.22	7.73	0.25	0.98	0.08	46.7	1.29	<0.01	0.06
E1590071 (9485753)	13.8	0.02	8.65	0.09	9.97	0.78	7.98	0.17	2.12	0.07	55.1	0.35	0.02	0.02
E1590072 (9485754)	16.1	0.02	6.70	0.01	7.12	0.57	3.09	0.12	3.12	0.14	60.8	0.68	0.03	0.02
E1590073 (9485755)	14.5	<0.01	10.3	0.05	11.2	0.45	10.0	0.19	1.69	0.04	49.3	0.53	<0.01	0.03
E1590074 (9485756)	13.3	0.01	8.02	0.06	9.73	0.72	9.88	0.18	1.92	0.08	53.7	0.48	<0.01	0.03
E1590075 (9485757)	13.9	<0.01	11.3	0.04	12.0	0.46	8.72	0.20	1.66	0.02	50.4	0.74	0.01	0.05
E1590076 (9485758)	15.6	0.02	7.97	0.03	9.57	0.90	5.91	0.15	2.59	0.07	55.5	0.75	0.02	0.04
E1590077 (9485759)	17.4	0.02	8.51	0.01	8.67	0.73	4.64	0.13	2.83	0.11	54.7	0.73	0.03	0.03
E1590078 (9485760)	16.7	0.02	7.01	0.03	7.22	1.13	2.73	0.11	3.30	0.14	59.3	0.66	0.01	0.02
E1590079 (9485761)	16.1	0.02	6.81	0.02	7.49	0.69	3.36	0.12	3.20	0.12	60.3	0.65	0.02	0.02
E1590080 (9485762)	16.2	0.02	7.85	<0.01	8.10	0.74	4.41	0.13	2.90	0.13	57.0	0.62	0.02	0.03
E1590081 (9485763)	15.2	0.06	5.04	<0.01	5.65	1.27	2.29	0.09	3.38	0.11	65.1	0.58	0.02	0.01
E1590083 (9485765)	9.82	0.02	6.93	0.08	12.1	0.51	12.0	0.21	0.95	0.07	55.3	0.46	<0.01	0.02
E1590084 (9485766)	11.9	0.02	6.64	0.06	10.2	0.91	10.3	0.19	1.90	0.06	55.9	0.40	<0.01	0.03
E1590085 (9485767)	15.4	0.02	6.55	0.01	8.65	1.25	4.15	0.14	3.12	0.12	57.7	0.70	0.01	0.02
E1590086 (9485768)	17.5	0.01	8.42	<0.01	9.64	0.68	4.26	0.11	3.11	0.05	54.3	0.66	0.02	0.09
E1590087 (9485769)	15.4	0.04	5.75	0.01	6.59	1.11	2.79	0.10	3.18	0.13	63.4	0.66	0.02	0.02
E1590088 (9485770)	12.3	0.02	10.6	0.05	14.1	0.40	10.3	0.20	1.36	0.04	49.2	1.33	0.01	0.06
E1590089 (9485771)	11.4	<0.01	10.7	0.05	14.7	0.19	10.6	0.21	1.44	0.04	48.8	1.35	<0.01	0.05
E1590090 (9485772)	11.6	<0.01	10.6	0.06	13.9	0.33	10.3	0.21	1.50	0.05	50.2	1.16	<0.01	0.04
E1590091 (9485773)	16.2	0.02	6.64	<0.01	9.22	1.31	4.71	0.16	2.84	0.09	56.9	0.73	0.02	0.03
E1590092 (9485774)	13.4	0.02	9.54	0.04	13.3	0.76	8.43	0.20	2.02	0.13	49.4	1.16	0.02	0.05
E1590093 (9485775)	16.7	0.01	10.8	<0.01	13.5	0.44	6.36	0.17	2.11	0.04	46.6	1.16	0.02	0.09
E1590094 (9485776)	15.6	0.05	5.54	<0.01	6.36	1.42	2.64	0.10	3.22	0.11	62.6	0.59	0.02	0.02
E1590095 (9485777)	14.8	<0.01	11.4	0.05	11.9	0.36	8.54	0.18	1.83	0.06	49.4	0.98	0.02	0.04
E1590096 (9485778)	16.3	0.03	7.35	<0.01	7.23	1.08	4.38	0.13	3.13	0.07	59.3	0.44	0.03	0.02

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	V2O5
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
E1590097 (9485779)	12.9	0.02	9.00	<0.01	17.0	0.56	6.00	0.22	1.91	0.17	49.0	1.85	0.01	0.08
E1590098 (9485780)	17.1	0.02	9.58	0.02	10.6	0.65	5.88	0.15	2.25	0.04	51.6	1.11	0.02	0.06
E1590099 (9485781)	16.1	0.01	9.32	0.02	12.2	0.39	6.10	0.21	2.43	0.05	51.3	0.75	0.03	0.05
E1590100 (9485782)	12.4	<0.01	8.99	0.11	13.5	0.21	11.9	0.23	1.16	0.04	50.2	0.50	<0.01	0.04
E1590101 (9485783)	13.3	0.01	10.9	0.04	9.36	0.39	9.95	0.17	1.88	0.05	52.9	0.45	0.02	0.03
E1590102 (9485784)	9.95	<0.01	8.44	0.10	12.9	0.18	16.1	0.21	0.77	0.05	49.0	0.43	<0.01	0.03
E1590103 (9485785)	12.9	<0.01	9.51	<0.01	15.2	0.25	6.16	0.24	1.69	0.09	52.0	1.12	<0.01	0.05
E1590104 (9485786)	13.6	<0.01	9.62	0.02	15.7	0.19	7.71	0.23	1.63	0.07	48.2	1.25	<0.01	0.07
E1590105 (9485787)	15.9	0.02	8.19	0.03	10.3	0.68	6.84	0.15	2.25	0.12	52.6	0.80	0.04	0.03
E1590106 (9485788)	16.4	0.02	7.49	0.01	7.91	0.72	4.21	0.12	2.94	0.13	58.1	0.64	0.02	0.02
E1590107 (9485789)	15.7	0.04	6.01	0.01	6.11	1.19	3.08	0.10	3.08	0.09	62.6	0.51	<0.01	0.02
E1590108 (9485790)	9.53	0.01	7.24	<0.01	36.5	0.73	7.38	0.23	0.73	0.12	34.9	0.44	<0.01	0.03
E1590110 (9485792)	15.8	<0.01	9.94	0.03	12.6	0.18	6.93	0.20	1.55	0.05	49.8	0.74	<0.01	0.04
E1590111 (9485793)	12.8	<0.01	8.81	<0.01	17.0	0.17	4.36	0.24	1.85	0.11	51.4	1.61	<0.01	0.07
E1590112 (9485794)	13.0	<0.01	8.34	<0.01	17.6	0.25	4.49	0.24	2.51	0.14	51.3	1.62	0.01	0.08
E1590113 (9485795)	13.9	<0.01	12.9	0.01	11.5	0.06	7.80	0.22	0.93	0.05	50.8	0.78	<0.01	0.06

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	LOI	Total
Unit:	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01
E1590060 (9485742)	1.11	99.9
E1590061 (9485743)	2.31	101
E1590062 (9485744)	2.28	101
E1590063 (9485745)	2.28	100
E1590066 (9485748)	1.67	99.9
E1590069 (9485751)	1.52	100
E1590070 (9485752)	2.12	101
E1590071 (9485753)	1.57	101
E1590072 (9485754)	0.84	99.3
E1590073 (9485755)	1.76	100
E1590074 (9485756)	2.21	100
E1590075 (9485757)	1.38	101
E1590076 (9485758)	1.50	101
E1590077 (9485759)	1.14	99.7
E1590078 (9485760)	1.28	99.6
E1590079 (9485761)	0.99	99.9
E1590080 (9485762)	1.19	99.3
E1590081 (9485763)	0.81	99.6
E1590083 (9485765)	2.47	101
E1590084 (9485766)	2.48	101
E1590085 (9485767)	1.69	99.5
E1590086 (9485768)	1.26	100
E1590087 (9485769)	1.14	100
E1590088 (9485770)	1.28	101
E1590089 (9485771)	0.88	100
E1590090 (9485772)	0.85	101
E1590091 (9485773)	1.33	100
E1590092 (9485774)	1.12	99.5
E1590093 (9485775)	1.92	99.8
E1590094 (9485776)	0.93	99.2
E1590095 (9485777)	0.91	100
E1590096 (9485778)	1.03	101

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AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	LOI	Total
Unit:	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01
E1590097 (9485779)	0.82	99.5
E1590098 (9485780)	1.11	100
E1590099 (9485781)	1.35	100
E1590100 (9485782)	2.14	101
E1590101 (9485783)	1.26	101
E1590102 (9485784)	3.17	101
E1590103 (9485785)	1.06	100
E1590104 (9485786)	1.56	99.8
E1590105 (9485787)	2.41	100
E1590106 (9485788)	1.29	100
E1590107 (9485789)	0.93	99.5
E1590108 (9485790)	1.84	99.7
E1590110 (9485792)	2.45	100
E1590111 (9485793)	1.33	99.7
E1590112 (9485794)	0.88	100
E1590113 (9485795)	1.99	101

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(202-051) Fire Assay - Trace Au, AAS finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.002
E1590064 (9485746)	0.002
E1590065 (9485747)	0.004
E1590067 (9485749)	0.004
E1590068 (9485750)	0.002
E1590082 (9485764)	0.026
E1590109 (9485791)	0.004

Comments: RDL - Reported Detection Limit

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AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.001	0.001	0.005
E1590061 (9485743)	0.002	0.006	0.010
E1590063 (9485745)	0.002	<0.001	<0.005
E1590066 (9485748)	0.001	<0.001	<0.005
E1590070 (9485752)	0.013	0.002	<0.005
E1590071 (9485753)	0.002	<0.001	<0.005
E1590072 (9485754)	0.001	<0.001	<0.005
E1590073 (9485755)	0.002	0.004	0.007
E1590074 (9485756)	0.008	<0.001	<0.005
E1590075 (9485757)	0.004	0.007	0.009
E1590079 (9485761)	0.001	<0.001	<0.005
E1590080 (9485762)	0.003	<0.001	<0.005
E1590083 (9485765)	<0.001	<0.001	<0.005
E1590087 (9485769)	0.001	<0.001	<0.005
E1590088 (9485770)	0.037	0.004	0.006
E1590089 (9485771)	0.004	0.004	0.006
E1590090 (9485772)	0.003	0.006	0.007
E1590091 (9485773)	0.003	<0.001	<0.005
E1590092 (9485774)	0.004	0.005	0.006
E1590093 (9485775)	0.002	0.001	<0.005
E1590094 (9485776)	0.002	<0.001	<0.005
E1590095 (9485777)	0.002	0.004	0.007
E1590097 (9485779)	<0.001	<0.001	<0.005
E1590098 (9485780)	0.001	<0.001	<0.005
E1590099 (9485781)	<0.001	<0.001	<0.005
E1590100 (9485782)	0.002	0.004	0.007
E1590101 (9485783)	0.001	0.005	0.006
E1590102 (9485784)	0.003	0.002	<0.005
E1590103 (9485785)	<0.001	<0.001	<0.005
E1590104 (9485786)	0.006	<0.001	<0.005
E1590105 (9485787)	0.002	0.002	<0.005
E1590106 (9485788)	<0.001	<0.001	<0.005
E1590107 (9485789)	<0.001	<0.001	<0.005

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AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.001	0.001	0.005
E1590108 (9485790)	0.021	<0.001	<0.005
E1590111 (9485793)	0.001	<0.001	<0.005
E1590112 (9485794)	0.002	<0.001	<0.005
E1590113 (9485795)	0.004	<0.001	<0.005

Comments: RDL - Reported Detection Limit

Certified By:

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AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

Sieving - % Passing (Crushing)

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E1590060 (9485742)	91.3
E1590068 (9485750)	91.9
E1590077 (9485759)	93.5
E1590078 (9485760)	76
E1590087 (9485769)	84
E1590091 (9485773)	80.9
E1590102 (9485784)	84.1

Comments: RDL - Reported Detection Limit

Certified By:

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Certificate of Analysis

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Aug 20, 2018 | DATE RECEIVED: Aug 21, 2018 | DATE REPORTED: Oct 16, 2018 | SAMPLE TYPE: Rock

Analyte:	Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
E1590060 (9485742)	88
E1590088 (9485770)	94

Comments: RDL - Reported Detection Limit

Certified By:

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Quality Assurance - Replicate

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Ag	9485742	< 1	< 1	0.0%	9485753	< 1	< 1	0.0%	9485766	< 1	< 1	0.0%	9485777	< 1	< 1	0.0%
Al	9485742	8.59	8.62	0.3%	9485753	7.51	7.56	0.7%	9485766	6.63	6.48	2.3%	9485777	8.20	8.32	1.5%
As	9485742	< 5	< 5	0.0%	9485753	< 5	< 5	0.0%	9485766	< 5	< 5	0.0%	9485777	< 5	< 5	0.0%
B	9485742	< 20	< 20	0.0%	9485753	< 20	< 20	0.0%	9485766	< 20	< 20	0.0%	9485777	< 20	< 20	0.0%
Ba	9485742	285	293	2.8%	9485753	164	163	0.6%	9485766	176	170	3.5%	9485777	76.8	75.8	1.3%
Be	9485742	< 5	< 5	0.0%	9485753	< 5	< 5	0.0%	9485766	< 5	< 5	0.0%	9485777	< 5	< 5	0.0%
Bi	9485742	< 0.1	< 0.1	0.0%	9485753	< 0.1	< 0.1	0.0%	9485766	< 0.1	< 0.1	0.0%	9485777	0.3	0.5	
Ca	9485742	4.95	4.33	13.4%	9485753	6.34	6.23	1.8%	9485766	4.94	4.73	4.3%	9485777	8.36	8.48	1.4%
Cd	9485742	0.3	0.3	0.0%	9485753	0.38	0.34	11.1%	9485766	0.37	0.34	8.5%	9485777	0.4	0.4	0.0%
Ce	9485742	37.0	38.0	2.7%	9485753	19.7	20.0	1.5%	9485766	18.3	17.6	3.9%	9485777	11.7	12.2	4.2%
Co	9485742	21.0	21.6	2.8%	9485753	45.0	43.6	3.2%	9485766	49.7	47.5	4.5%	9485777	51.7	53.8	4.0%
Cr	9485742	0.0064	0.0069	7.5%	9485753	0.0286	0.0282	1.4%	9485766	0.0392	0.0385	1.8%	9485777	0.0323	0.0328	1.5%
Cs	9485742	0.9	0.9	0.0%	9485753	0.7	0.7	0.0%	9485766	0.81	0.74	9.0%	9485777	1.4	1.4	0.0%
Cu	9485742	36	37	2.7%	9485753	59	59	0.0%	9485766	28	29	3.5%	9485777	107	103	3.8%
Dy	9485742	3.29	3.47	5.3%	9485753	2.43	2.40	1.2%	9485766	2.33	2.33	0.0%	9485777	2.57	2.59	0.8%
Er	9485742	1.91	2.00	4.6%	9485753	1.56	1.41	10.1%	9485766	1.46	1.33	9.3%	9485777	1.57	1.56	0.6%
Eu	9485742	1.13	1.24	9.3%	9485753	0.67	0.63	6.2%	9485766	0.592	0.553	6.8%	9485777	1.01	1.06	4.8%
Fe	9485742	4.92	4.96	0.8%	9485753	7.09	7.00	1.3%	9485766	7.39	7.17	3.0%	9485777	8.57	8.66	1.0%
Ga	9485742	19.5	20.0	2.5%	9485753	16.2	15.6	3.8%	9485766	13.4	12.8	4.6%	9485777	16.4	16.6	1.2%
Gd	9485742	4.07	4.09	0.5%	9485753	2.45	2.36	3.7%	9485766	2.31	2.26	2.2%	9485777	2.52	2.61	3.5%
Ge	9485742	1	1	0.0%	9485753	1	1	0.0%	9485766	2	2	0.0%	9485777	1	2	
Hf	9485742	5	5	0.0%	9485753	5	5	0.0%	9485766	1	2		9485777	1	1	0.0%
Ho	9485742	0.67	0.70	4.4%	9485753	0.52	0.52	0.0%	9485766	0.483	0.500	3.5%	9485777	0.56	0.56	0.0%
In	9485742	< 0.2	< 0.2	0.0%	9485753	< 0.2	< 0.2	0.0%	9485766	< 0.2	< 0.2	0.0%	9485777	< 0.2	< 0.2	0.0%
K	9485742	0.80	0.81	1.2%	9485753	0.68	0.68	0.0%	9485766	0.83	0.80	3.7%	9485777	0.32	0.32	0.0%
La	9485742	16.7	17.2	2.9%	9485753	8.8	8.8	0.0%	9485766	7.78	7.59	2.5%	9485777	4.73	4.86	2.7%
Li	9485742	23	29	23.1%	9485753	24	23	4.3%	9485766	30	29	3.4%	9485777	19	18	5.4%
Lu	9485742	0.27	0.29	7.1%	9485753	0.24	0.24	0.0%	9485766	0.228	0.220	3.6%	9485777	0.23	0.23	0.0%
Mg	9485742	1.57	1.67	6.2%	9485753	4.58	4.64	1.3%	9485766	6.27	5.94	5.4%	9485777	4.88	5.03	3.0%
Mn	9485742	771	764	0.9%	9485753	1220	1200	1.7%	9485766	1370	1340	2.2%	9485777	1340	1360	1.5%
Mo	9485742	2	3		9485753	< 2	< 2	0.0%	9485766	4	6		9485777	2	2	0.0%

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Nb	9485742	6	6	0.0%	9485753	2	2	0.0%	9485766	2	2	0.0%	9485777	2	2	0.0%
Nd	9485742	19.7	20.0	1.5%	9485753	9.86	9.70	1.6%	9485766	9.41	9.46	0.5%	9485777	8.03	8.07	0.5%
Ni	9485742	38	40	5.1%	9485753	168	167	0.6%	9485766	222	215	3.2%	9485777	180	178	1.1%
P	9485742	0.083	0.086	3.6%	9485753	0.031	0.035	12.1%	9485766	0.03	0.03	0.0%	9485777	0.03	0.03	0.0%
Pb	9485742	< 5	< 5	0.0%	9485753	< 5	< 5	0.0%	9485766	< 5	< 5	0.0%	9485777	< 5	< 5	0.0%
Pr	9485742	4.85	4.94	1.8%	9485753	2.43	2.43	0.0%	9485766	2.32	2.31	0.4%	9485777	1.69	1.76	4.1%
Rb	9485742	25.3	25.4	0.4%	9485753	27.8	26.8	3.7%	9485766	40.3	37.4	7.5%	9485777	11.5	11.6	0.9%
S	9485742	< 0.01	< 0.01	0.0%	9485753	< 0.01	< 0.01	0.0%	9485766	< 0.01	< 0.01	0.0%	9485777	0.02	0.02	0.0%
Sb	9485742	< 0.1	< 0.1	0.0%	9485753	0.2	< 0.1		9485766	0.1	< 0.1		9485777	0.3	0.2	
Sc	9485742	14	14	0.0%	9485753	26	26	0.0%	9485766	26	25	3.9%	9485777	36	36	0.0%
Si	9485742	29.5	28.1	4.9%	9485753	25.6	25.3	1.2%	9485766	26.4	27.2	3.0%	9485777	23.3	23.7	1.7%
Sm	9485742	3.93	3.99	1.5%	9485753	2.2	2.2	0.0%	9485766	2.15	2.06	4.3%	9485777	2.05	2.21	7.5%
Sn	9485742	9	7	25.0%	9485753	9	12	28.6%	9485766	4	4	0.0%	9485777	2	3	
Sr	9485742	282	282	0.0%	9485753	144	143	0.7%	9485766	120	122	1.7%	9485777	220	223	1.4%
Ta	9485742	< 0.5	< 0.5	0.0%	9485753	< 0.5	< 0.5	0.0%	9485766	< 0.5	< 0.5	0.0%	9485777	< 0.5	< 0.5	0.0%
Tb	9485742	0.57	0.55	3.6%	9485753	0.364	0.379	4.0%	9485766	0.366	0.347	5.3%	9485777	0.396	0.394	0.5%
Th	9485742	1.64	1.67	1.8%	9485753	2.20	1.81	19.5%	9485766	1.07	1.02	4.8%	9485777	0.4	0.4	0.0%
Ti	9485742	0.445	0.446	0.2%	9485753	0.21	0.21	0.0%	9485766	0.23	0.22	4.4%	9485777	0.58	0.58	0.0%
Tl	9485742	< 0.5	< 0.5	0.0%	9485753	< 0.5	< 0.5	0.0%	9485766	< 0.5	< 0.5	0.0%	9485777	< 0.5	< 0.5	0.0%
Tm	9485742	0.28	0.27	3.6%	9485753	0.213	0.218	2.3%	9485766	0.22	0.21	4.7%	9485777	0.221	0.229	3.6%
U	9485742	0.55	0.56	1.8%	9485753	0.418	0.412	1.4%	9485766	0.282	0.273	3.2%	9485777	0.09	0.11	20.0%
V	9485742	107	107	0.0%	9485753	121	119	1.7%	9485766	120	115	4.3%	9485777	216	219	1.4%
W	9485742	1	< 1		9485753	< 1	< 1	0.0%	9485766	< 1	< 1	0.0%	9485777	< 1	< 1	0.0%
Y	9485742	17.2	17.5	1.7%	9485753	12.9	12.8	0.8%	9485766	12.7	12.1	4.8%	9485777	12.9	13.3	3.1%
Yb	9485742	1.8	1.8	0.0%	9485753	1.43	1.50	4.8%	9485766	1.50	1.44	4.1%	9485777	1.39	1.57	12.2%
Zn	9485742	79	77	2.6%	9485753	88	89	1.1%	9485766	99	96	3.1%	9485777	85	85	0.0%
Zr	9485742	213	209	1.9%	9485753	187	192	2.6%	9485766	49.8	52.8	5.8%	9485777	36.6	40.2	9.4%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Ag	9485793	< 1	< 1	0.0%												
Al	9485793	7.16	7.11	0.7%												
As	9485793	< 5	< 5	0.0%												
B	9485793	21	16	27.0%												
Ba	9485793	18.3	19.0	3.8%												

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Be	9485793	< 5	< 5	0.0%												
Bi	9485793	< 0.1	< 0.1	0.0%												
Ca	9485793	6.60	6.36	3.7%												
Cd	9485793	0.45	0.38	16.9%												
Ce	9485793	15.4	16.2	5.1%												
Co	9485793	49.3	51.2	3.8%												
Cr	9485793	< 0.005	< 0.005	0.0%												
Cs	9485793	0.39	0.47	18.6%												
Cu	9485793	81	84	3.6%												
Dy	9485793	5.18	5.44	4.9%												
Er	9485793	3.28	3.43	4.5%												
Eu	9485793	1.17	1.24	5.8%												
Fe	9485793	12.4	12.0	3.3%												
Ga	9485793	21.5	22.4	4.1%												
Gd	9485793	4.40	4.57	3.8%												
Ge	9485793	2	2	0.0%												
Hf	9485793	3	3	0.0%												
Ho	9485793	1.10	1.10	0.0%												
In	9485793	< 0.2	< 0.2	0.0%												
K	9485793	0.145	0.145	0.0%												
La	9485793	5.94	6.27	5.4%												
Li	9485793	< 10	< 10	0.0%												
Lu	9485793	0.52	0.52	0.0%												
Mg	9485793	2.69	2.74	1.8%												
Mn	9485793	1830	1860	1.6%												
Mo	9485793	2	2	0.0%												
Nb	9485793	4	4	0.0%												
Nd	9485793	11.0	11.5	4.4%												
Ni	9485793	28	29	3.5%												
P	9485793	0.054	0.057	5.4%												
Pb	9485793	< 5	< 5	0.0%												
Pr	9485793	2.24	2.41	7.3%												
Rb	9485793	4.2	4.5	6.9%												
S	9485793	< 0.01	< 0.01	0.0%												

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Sb	9485793	< 0.1	< 0.1	0.0%												
Sc	9485793	39	39	0.0%												
Si	9485793	24.6	24.1	2.1%												
Sm	9485793	3.25	3.49	7.1%												
Sn	9485793	2	2	0.0%												
Sr	9485793	102	106	3.8%												
Ta	9485793	< 0.5	< 0.5	0.0%												
Tb	9485793	0.724	0.751	3.7%												
Th	9485793	0.6	0.6	0.0%												
Ti	9485793	0.959	0.951	0.8%												
Tl	9485793	< 0.5	< 0.5	0.0%												
Tm	9485793	0.475	0.510	7.1%												
U	9485793	0.174	0.187	7.2%												
V	9485793	419	423	1.0%												
W	9485793	< 1	< 1	0.0%												
Y	9485793	27.7	29.0	4.6%												
Yb	9485793	3.25	3.51	7.7%												
Zn	9485793	140	138	1.4%												
Zr	9485793	86.8	92.4	6.3%												

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3				REPLICATE #4			
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD
Al2O3	9485742	15.6	15.9	1.9%	9485753	13.8	13.8	0.0%	9485766	11.9	11.4	4.3%	9485777	14.8	14.7	0.7%
BaO	9485742	0.03	0.03	0.0%	9485753	0.02	0.02	0.0%	9485766	0.02	0.01		9485777	< 0.01	0.02	
CaO	9485742	6.55	6.07	7.6%	9485753	8.65	8.66	0.1%	9485766	6.64	6.35	4.5%	9485777	11.4	11.4	0.0%
Cr2O3	9485742	< 0.01	< 0.01	0.0%	9485753	0.09	0.04		9485766	0.06	0.06	0.0%	9485777	0.05	0.05	0.0%
Fe2O3	9485742	6.81	6.93	1.7%	9485753	9.97	9.94	0.3%	9485766	10.2	9.92	2.8%	9485777	11.9	11.9	0.0%
K2O	9485742	0.870	0.896	2.9%	9485753	0.78	0.78	0.0%	9485766	0.91	0.88	3.4%	9485777	0.36	0.36	0.0%
MgO	9485742	2.62	2.61	0.4%	9485753	7.98	8.00	0.3%	9485766	10.3	9.86	4.4%	9485777	8.54	8.53	0.1%
MnO	9485742	0.11	0.11	0.0%	9485753	0.17	0.17	0.0%	9485766	0.19	0.18	5.4%	9485777	0.184	0.186	1.1%
Na2O	9485742	3.65	3.74	2.4%	9485753	2.12	2.11	0.5%	9485766	1.90	1.80	5.4%	9485777	1.83	1.82	0.5%
P2O5	9485742	0.182	0.173	5.1%	9485753	0.07	0.07	0.0%	9485766	0.06	0.06	0.0%	9485777	0.06	0.06	0.0%
SiO2	9485742	61.6	62.4	1.3%	9485753	55.1	55.3	0.4%	9485766	55.9	56.5	1.1%	9485777	49.4	49.4	0.0%
TiO2	9485742	0.748	0.739	1.2%	9485753	0.35	0.35	0.0%	9485766	0.399	0.362	9.7%	9485777	0.98	0.98	0.0%

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Quality Assurance - Replicate

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

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SrO	9485742	0.03	0.03	0.0%	9485753	0.02	< 0.01		9485766	< 0.01	< 0.01	0.0%	9485777	0.020	0.027	29.8%
V2O5	9485742	0.02	0.02	0.0%	9485753	0.02	0.02	0.0%	9485766	0.025	0.024	4.1%	9485777	0.04	0.04	0.0%
LOI	9485742	1.11	1.07	3.7%	9485753	1.57	1.55	1.3%	9485766	2.48	2.42	2.4%	9485777	0.91	0.96	5.3%
	REPLICATE #5															
Parameter	Sample ID	Original	Replicate	RPD												
Al2O3	9485793	12.8	12.6	1.6%												
BaO	9485793	< 0.01	< 0.01	0.0%												
CaO	9485793	8.81	8.76	0.6%												
Cr2O3	9485793	< 0.01	< 0.01	0.0%												
Fe2O3	9485793	17.0	16.9	0.6%												
K2O	9485793	0.169	0.160	5.5%												
MgO	9485793	4.36	4.32	0.9%												
MnO	9485793	0.24	0.24	0.0%												
Na2O	9485793	1.85	1.84	0.5%												
P2O5	9485793	0.108	0.104	3.8%												
SiO2	9485793	51.4	51.6	0.4%												
TiO2	9485793	1.61	1.62	0.6%												
SrO	9485793	< 0.01	< 0.01	0.0%												
V2O5	9485793	0.074	0.075	1.3%												
LOI	9485793	1.33	1.31	1.5%												

(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish

	REPLICATE #1				REPLICATE #2				REPLICATE #3							
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD				
Au	9485777	0.0023	0.0029	23.1%	9485793	0.001	0.001	0.0%	9485793	< 0.001	0.003					
Pd	9485777	0.0042	0.0045	6.9%	9485793	< 0.001	< 0.001	0.0%								
Pt	9485777	0.0068	0.0052	26.7%	9485793	< 0.005	< 0.005	0.0%								

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(201-378) Sodium Peroxide Fusion - ICP-OES/ICP-MS Finish

	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.sy-4)				CRM #4 (ref.sy-4)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al	10.95	11.29	103%	90% - 110%	8.47	8.46	100%	90% - 110%								
As					26	24	93%	90% - 110%	25	24	95%	90% - 110%				
Ba	340	329	97%	90% - 110%	540	500	93%	90% - 110%								
Be	2.6	2.97	114%	90% - 110%	4.0	3.61	90%	90% - 110%								
Ca	5.72	5.9	103%	90% - 110%	0.907	0.937	103%	90% - 110%								
Ce	122	129	106%	90% - 110%	98	104	106%	90% - 110%								
Co	2.8	2.5	91%	90% - 110%	15	15	102%	90% - 110%	1202	1310	109%	90% - 110%				
Cs	1.5	1.5	103%	90% - 110%												
Cu					150	154	103%	90% - 110%	15414	14467	94%	90% - 110%				
Dy	18.2	20	110%	90% - 110%												
Er	14.2	15.1	106%	90% - 110%	3.7	4.1	110%	90% - 110%								
Eu	2.0	2.1	106%	90% - 110%												
Fe	4.34	4.42	102%	90% - 110%	3.77	3.82	101%	90% - 110%								
Ga	35	37	105%	90% - 110%												
Gd	14	15	110%	90% - 110%												
Hf	10.6	11.6	109%	90% - 110%	11	10	92%	90% - 110%								
Ho	4.3	4.7	109%	90% - 110%												
K	1.37	1.48	108%	90% - 110%	2.55	2.54	100%	90% - 110%								
La	58	60	104%	90% - 110%	44	46	105%	90% - 110%								
Li	37	44	119%	90% - 110%	47	51	108%	90% - 110%								
Lu	2.1	2.3	109%	90% - 110%	0.6	0.6	100%	90% - 110%								
Mg	0.325	0.316	97%	90% - 110%	1.1	1.1	99%	90% - 110%								
Mn	836	802	96%	90% - 110%	780	733	94%	90% - 110%								
Mo					14	13	94%	90% - 110%								
Nb	13	13	104%	90% - 110%	20	19	94%	90% - 110%								
Nd	57	60	105%	90% - 110%												
Ni	9	9	96%	90% - 110%	32	32	101%	90% - 110%	23610	21767	92%	90% - 110%				
Pb	10	10	96%	90% - 110%	31	31	99%	90% - 110%	41	41	100%	90% - 110%				
Pr	15.0	15.8	105%	90% - 110%												
Rb	55	58	105%	90% - 110%	144	148	103%	90% - 110%								
Sc					12	12	99%	90% - 110%								

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Si	23.3	23.1	99%	90% - 110%	28.4	27.9	98%	90% - 110%								
Sm	12.7	13.2	104%	90% - 110%	7.4	7.7	104%	90% - 110%								
Sr	1191	1170	98%	90% - 110%	144	141	98%	90% - 110%								
Ta					1.9	1.4	74%	90% - 110%								
Tb	2.6	2.7	103%	90% - 110%	1.2	1.1	96%	90% - 110%								
Th	1.4	1.5	108%	90% - 110%	18.4	16.6	90%	90% - 110%								
Ti	0.172	0.172	100%	90% - 110%	0.527	0.504	96%	90% - 110%								
Tm	2.3	2.3	101%	90% - 110%												
U	0.8	0.9	107%	90% - 110%	5.7	5.1	90%	90% - 110%								
V					77	75	98%	90% - 110%								
W					5	5	102%	90% - 110%								
Y	119	117	98%	90% - 110%	40	37	92%	90% - 110%								
Yb	14.8	16	108%	90% - 110%												
Zn	93	93	100%	90% - 110%	130	124	95%	90% - 110%	90	85	94%	90% - 110%				
Zr	517	563	109%	90% - 110%	390	372	95%	90% - 110%								

(201-676) Lithium Borate Fusion - Summation of Oxides, XRF finish

	CRM #1 (ref.sy-4)				CRM #2				CRM #3 (ref.sy-4)				CRM #4 (ref.sy-4)			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al2O3	20.7	20.7	100%	90% - 110%					20.7	20.7	100%	90% - 110%	20.7	20.7	100%	90% - 110%
BaO	0.038	0.04	105%	90% - 110%									0.038	0.04	105%	90% - 110%
CaO	8.05	8.04	100%	90% - 110%					8.05	8.03	100%	90% - 110%	8.05	8.05	100%	90% - 110%
Fe2O3	6.21	6.21	100%	90% - 110%					6.21	6.17	99%	90% - 110%	6.21	6.22	100%	90% - 110%
K2O	1.66	1.66	100%	90% - 110%					1.66	1.64	99%	90% - 110%	1.66	1.66	100%	90% - 110%
MgO	0.54	0.51	94%	90% - 110%					0.54	0.51	95%	90% - 110%	0.54	0.51	94%	90% - 110%
MnO	0.108	0.115	107%	90% - 110%					0.108	0.113	105%	90% - 110%	0.108	0.109	101%	90% - 110%
Na2O	7.1	7.1	100%	90% - 110%					7.1	7	99%	90% - 110%	7.1	7	99%	90% - 110%
P2O5	0.131	0.126	96%	90% - 110%					0.131	0.126	96%	90% - 110%	0.131	0.123	94%	90% - 110%
SiO2	49.9	49.6	99%	90% - 110%					49.9	49.7	100%	90% - 110%	49.9	49.9	100%	90% - 110%
TiO2	0.287	0.293	102%	90% - 110%					0.287	0.292	102%	90% - 110%	0.287	0.291	101%	90% - 110%
SrO	0.141	0.136	96%	90% - 110%					0.141	0.131	93%	90% - 110%	0.141	0.133	94%	90% - 110%
LOI					4.56	4.56	100%	90% - 110%								
	CRM #5				CRM #6 (ref.sy-4)				CRM #7 (ref.sy-4)				CRM #8			
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits
Al2O3					20.7	20.8	100%	90% - 110%	20.7	20.6	100%	90% - 110%				

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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Grant Mourre

BaO					0.038	0.043	113%	90% - 110%	0.038	0.04	105%	90% - 110%				
CaO					8.05	8.04	100%	90% - 110%	8.05	8.05	100%	90% - 110%				
Fe2O3					6.21	6.22	100%	90% - 110%	6.21	6.21	100%	90% - 110%				
K2O					1.66	1.63	98%	90% - 110%	1.66	1.65	99%	90% - 110%				
MgO					0.54	0.52	97%	90% - 110%	0.54	0.52	97%	90% - 110%				
MnO					0.108	0.116	108%	90% - 110%	0.108	0.109	101%	90% - 110%				
Na2O					7.1	7.1	100%	90% - 110%	7.1	7	99%	90% - 110%				
P2O5					0.131	0.128	98%	90% - 110%	0.131	0.129	98%	90% - 110%				
SiO2					49.9	49.7	100%	90% - 110%	49.9	49.7	100%	90% - 110%				
TiO2					0.287	0.292	102%	90% - 110%	0.287	0.281	98%	90% - 110%				
SrO					0.141	0.137	97%	90% - 110%	0.141	0.13	92%	90% - 110%				
LOI	4.56	4.45	97%	90% - 110%									4.56	4.61	101%	90% - 110%
(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish																
	CRM #1 (ref.GSP7L)															
Parameter	Expect	Actual	Recovery	Limits												
Au	0.709	0.662	93%	90% - 110%												

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Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

ATTENTION TO: Grant Mourre

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag			ICP/MS
Al	MIN-200-12001		ICP/OES
As	MIN-200-12001		ICP/MS
B	MIN-200-12001		ICP/OES
Ba	MIN-200-12001		ICP/OES
Be	MIN-200-12001		ICP/OES
Bi	MIN-200-12001		ICP-MS
Ca	MIN-200-12001		ICP/OES
Cd	MIN-200-12001		ICP-MS
Ce	MIN-200-12001		ICP-MS
Co	MIN-200-12001		ICP/MS
Cr	MIN-200-12001		ICP/OES
Cs	MIN-200-12001		ICP-MS
Cu	MIN-200-12001		ICP/OES
Dy	MIN-200-12001		ICP-MS
Er	MIN-200-12001		ICP-MS
Eu	MIN-200-12001		ICP-MS
Fe	MIN-200-12001		ICP/OES
Ga	MIN-200-12001		ICP-MS
Gd	MIN-200-12001		ICP-MS
Ge	MIN-200-12001		ICP-MS
Hf	MIN-200-12001		ICP-MS
Ho	MIN-200-12001		ICP-MS
In	MIN-200-12001		ICP-MS
K	MIN-200-12001		ICP/OES
La	MIN-200-12001		ICP-MS
Li	MIN-200-12001		ICP/OES
Lu	MIN-200-12001		ICP-MS
Mg	MIN-200-12001		ICP/OES
Mn	MIN-200-12001		ICP/OES
Mo	MIN-200-12001		ICP/MS
Nb	MIN-200-12001		ICP-MS
Nd	MIN-200-12001		ICP-MS
Ni	MIN-200-12001		ICP/OES
P			ICP/OES
Pb	MIN-200-12001		ICP/MS
Pr	MIN-200-12001		ICP-MS
Rb	MIN-200-12001		ICP/MS
S	MIN-200-12001		ICP/OES
Sb	MIN-200-12001		ICP-MS
Sc	MIN-200-12001		ICP/OES
Si	MIN-200-12001		ICP/OES
Sm	MIN-200-12001		ICP-MS
Sn	MIN-200-12001		ICP/MS
Sr	MIN-200-12001		ICP-OES
Ta	MIN-200-12001		ICP-MS
Tb	MIN-200-12001		ICP-MS
Th	MIN-200-12001		ICP-MS

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Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 18B375829

PROJECT: Transition Metals Corp

ATTENTION TO: Grant Mourre

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Ti	MIN-200-12001		ICP/OES
Tl	MIN-200-12001		ICP-MS
Tm	MIN-200-12001		ICP-MS
U	MIN-200-12001		ICP-MS
V	MIN-200-12001		ICP/OES
W	MIN-200-12001		ICP-MS
Y	MIN-200-12001		ICP-MS
Yb	MIN-200-12001		ICP-MS
Zn	MIN-200-12001		ICP/OES
Zr	MIN-200-12001		ICP-MS
Al2O3	MIN-200-12027		XRF
BaO	MIN-200-12027		XRF
CaO	MIN-200-12027		XRF
Cr2O3	MIN-200-12027		XRF
Fe2O3	MIN-200-12027		XRF
K2O	MIN-200-12027		XRF
MgO	MIN-200-12027		XRF
MnO	MIN-200-12027		XRF
Na2O	MIN-200-12027		XRF
P2O5	MIN-200-12027		XRF
SiO2	MIN-200-12027		XRF
TiO2	MIN-200-12027		XRF
SrO	MIN-200-12027		XRF
V2O5	MIN-200-12027		XRF
LOI	MIN-200-12021		GRAVIMETRIC
Total	MIN-200-12027		CALCULATION
Au	MIN-12004 MIN-12019	BUGBEE, E: A Textbook of Fire Assaying	AA
Au	MIN-200-12006 or MIN-221-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pd	MIN-200-12006 or MIN-221-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pt	MIN-200-12006 or MIN-221-12006	BUGBEE, E: A Textbook of Fire Assaying	ICP/OES
Pass %			BALANCE

Appendix E: Daily Logs

DAILY LOG

Date:	*June 5, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Grant Mourre*	*Brad Clarke*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Prospecting and sampling at Tache W showing.

Collected samples S899351 to S899366

DAILY LOG

Date:	*June 6, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Grant Mourre*	*Brad Clarke*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Prospecting and sampling at Tache E showing.

Collected samples S899369 to S899376

DAILY LOG

Date:	*August 7, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Steven Flank*	*Derek Defranceschi*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Mobilize to Huber's Lone Pine Lodge and set-up cabin. Drive to Revell property and confirm access routes.
Prospecting Stations REV-001 – REV-004

DAILY LOG

Date:	*August 8, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Steven Flank*	*Derek Defranceschi*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Prospect Tache W showing area.
Record Stations REV-005 – REV-029
Collect Samples E1590060 - E1590070

DAILY LOG

Date:	*August 9, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Steven Flank*	*Derek Defranceschi*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Prospect Tache W showing area.
Record Stations REV-029 - REV-059
Collect Samples E1590071 - E159-0093

DAILY LOG

Date:	*August 10, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Steven Flank*	*Derek Defranceschi*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Prospect Tache E showing area.
Record Stations REV-060 - REV-093
Collect Samples E1590094 - E1590103

DAILY LOG

Date:	*August 11, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Steven Flank*	*Derek Defranceschi*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Prospect Tache W showing area.
Record Stations REV-094- REV-112
Collect Samples E1590103 - E1590113

DAILY LOG

Date:	*August 12, 2018*	**Employee Names**	
Client:	*Transition Metals Corp.*	*Steven Flank*	*Derek Defranceschi*
Work Location:	*Revell*		
Vehicle:	*Toyota*		

SUMMARY OF WORK

Demobilize from Huber Lone Pine Lake Lodge to Thunder Bay.