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2018 PROSPECTING VISIT

- ISLAND COPPER PROPERTY -

Aweres Township, Ontario

Sault Ste. Marie Mining Division

NTS: 41K/09

Wednesday, 11 March 2020

Benjamin Williams, GIT
Grant Mourre, P.Geo

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1.0 Introduction

The Island Copper Property consists of 8 claims which contain high grade Cu occurrences within a fertile geological environment. Several mineralized samples have returned high grade Cu values. Historic drilling at the Hilltop showing by Kennco Exploration in 1965, returned 3.0 m @ 5.22 % Cu and 9.5 m @ 4.02 % Cu. Copper mineralization has been shown to be hosted within faulted, altered and brecciated granite/tonalite gneiss (Gros Cap Gneisses). Numerous other sulphide showings within the region suggest there is potential to find new zones of mineralization. On June 14th, 2018, Transition Metals Corp Geologist visited the property to conduct a site visit, and reconnaissance sampling on the property.

2.0 Property Location, Access and Description

The Island Copper property is located approximately 23 kilometres northeast of Sault Ste. Marie, Ontario (Figure 1). The property is situated just northwest of the junction between Ontario Highway's 556 and 552. The Island Copper property located within Aweres Township; is comprised of eight (8) mining claims, covering an area of approximately 160 ha (Figure 2, Table 1). All claims are registered to Transition Metals Corp., and are in good standing at the time of writing.

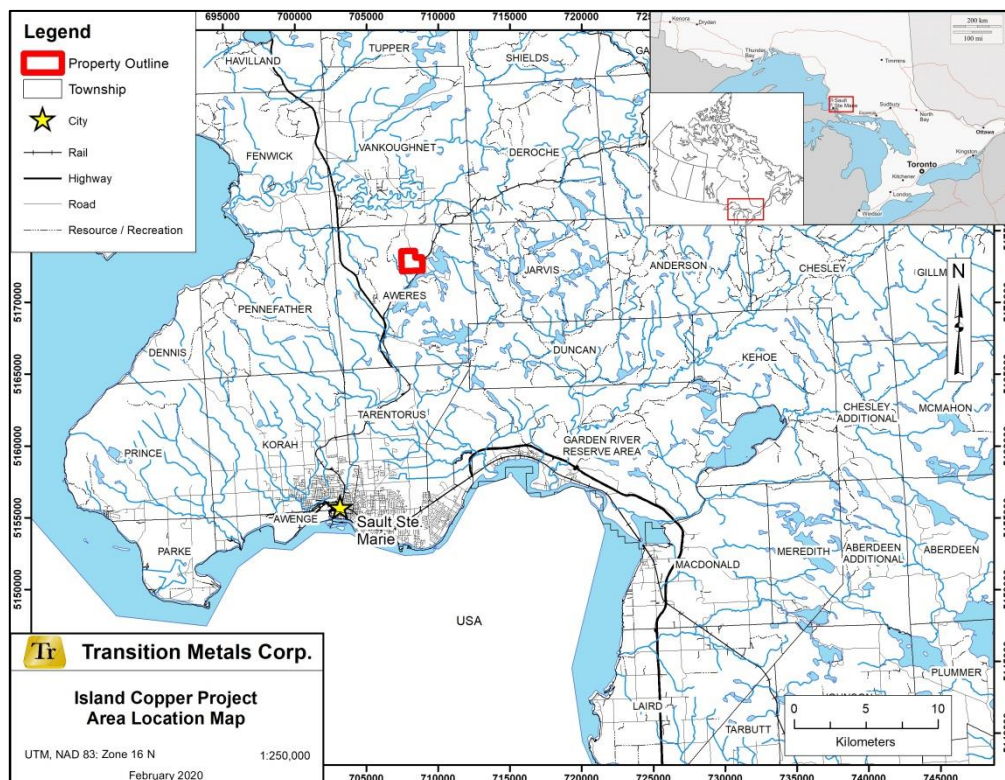


Figure 1: Island Copper Project Area Location Map

The climate and physiography of the property is typical of the Canadian Shield east of Lake Superior. The climate is northern-temperate, with warm summers and cold winters. Snow cover from expected typically from November through to April. Moderately steep hilly terrain occupies the southern and central portions of the property, with topography dropping in the north towards the Goulais River valley.

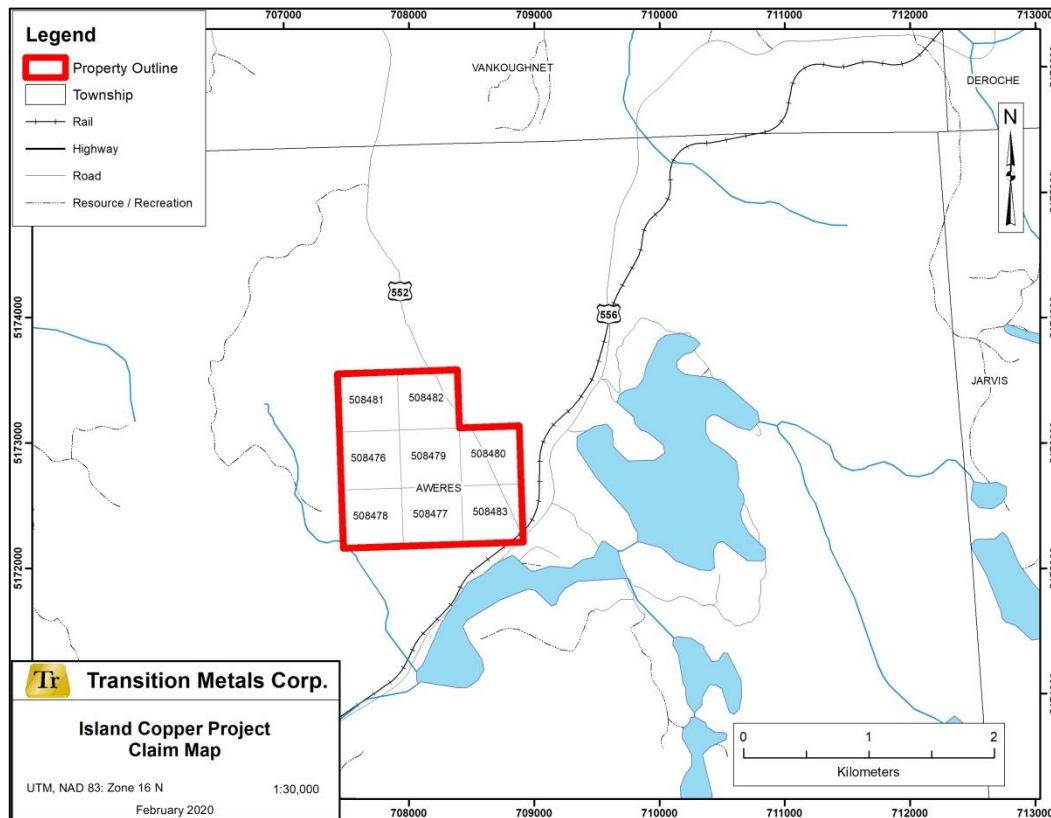


Figure 2: Island Copper Project Claim Map

The region is covered by a mixture of outcrop and overburden, consisting of glacial sands and gravels (of varying thickness) covered by humus. Outcrop exposure averages approximately ten per cent (10%) and occurs predominantly as rocky ridges, on hilltops, or as cliff faces. A thin veneer of glacial overburden and humus occurs along the flanks of rocky ridges and covers small valleys between the ridges in the southern areas of the property. The thickness of the till generally increases northward towards the Goulais River valley where outcrop exposure becomes minimal to non-existent.

Thick stands of maple alternating with cedar and spruce are the main tree species in the area. Drainage along the northern portion of the property is towards the Goulais River and forms deep ravines with (seasonal) fast-flowing creeks. However, drainage is relatively poor in the central highland area of the property, and forms occasional swamps or beaver ponds between the hills.

Table 1: Property Position Claim Details

| CLAIM NUMBER | TOWNSHIP | Type | Owner | Issued Date | Anniversary | Status |
|--------------|----------|--------------------------|-------------------------------|-------------|-------------|--------|
| 508476 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508477 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508478 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508479 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508480 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508481 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508482 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |
| 508483 | AWERES | Single Cell Mining Claim | (100) TRANSITION METALS CORP. | 2018-04-10 | 2020-04-10 | Active |

Within the detailed map area (Figure 2), the area immediately east and west of Highway 552 is characterized by steep cliffs, ridges, and scarps which trend in a NNW direction. These NNW ridges and scarps are transected by northeast trending ridges and topographic lows which reflect dominant fracture orientations in the area. Topographic relief east and west of Highway 552 is in the order of 80 to 100 metres, with the NNW trending ridges exhibit a step like nature towards the highways suggestive of block faulting.

3.0 Previous Work

Copper mineralization was first discovered in the area over 90 years ago as evidenced by an historical adit on the property, however very little documented information about the early exploration history can be found. The adit has since been backfilled and the length of the drift is unknown with only the top of the adit visible below a horizontal drill hole.

The ground was reportedly explored during the 1950's with some diamond drilling. However, detailed assessment research conducted by many past companies (Highland-Crow Resources Ltd., Falconbridge Limited, etc.) could not find any records of this drilling.

The Geological Survey of Canada and the Ontario Geological Survey carried out reconnaissance mapping in the region during 1964 and 1965, respectively. This work generated some interest in the potential of the area.

A review of assessment filings on and around the Island Copper Project has resulted in the following summary of historic exploration work (Table 2).

Table 2: Summary of exploration history

| Year(s) of Work | Company Name | Summary of Work |
|------------------------|--|--|
| Pre 1960s | - | No known records were found or reported. |
| 1964 to 1965 | Geological Survey of Canada , Geological Survey of Ontario | Regional reconnaissance and mapping. |
| 1965 to 1966 | Kennco Explorations (Canada) Ltd. | Geological reconnaissance involving: prospecting, geological sampling, geophysical surveys, and diamond drilling [18 holes, totalling ~ 823 m]. |
| 1970 | H. Nystedt | Prospecting and diamond drilling [2 holes, totalling ~ 153 m] . |
| 1970 to 1971 | Copporville Mining Corp. | Diamond drilling [10 holes, totalling ~ 1,085 m]. |
| 1974 to 1975 | Ontario Ministry of Mines | Compilation map of the Algoma, Manitoulin, and Sudbury Mining District, from the previous mapping projects. |
| 1981 to 1982 | Highland-Crow Resources Ltd | Geological mapping, geochemical sampling and line cutting. |
| 2000 to 2001 | Falconbridge Ltd. | Airborne geophysical surveys, line cutting, and geological mapping and sampling. Airborne Mag, IP, and gravity surveys were the three geophysical surveys completed. |
| 2002 to 2003 | Amerigo Resources Ltd. and Falconbridge Ltd. | Diamond drilling, an Aeromag survey, and a MMI geochemical survey. |
| 2004-2005 | Nikos Explorations | Airborne Geophysics, MMI-soil survey and geological mapping |
| 2011 | M.A Tremblay | Prospecting |

4.0 Geology

The following has been summarised from Camier and McLellan (2000); Camier and Oosterman (2001); Mumin and Camier (2002); Camier and Moss (2003), and references found there in.

4.1 Regional Geology

Archean-aged rocks (Figure 3) are very widespread and include Neo- to Meso- archean gneissic tonalite, massive to foliated granite and granodiorite with felsic to mafic volcanic assemblage bearing greenstone belts notably the Batchawana greenstone belt located approximately 40km NNW of the property just off Mamainse Point. These rocks are classified as belonging to the Abitibi Subprovince of the Superior Province. Diabase dykes of the Matachewan and Hearst swarms have intruded rocks of the Superior Province and are widely distributed across this region. The Gros Cap Batholith, which is the main rock type exposed on the Island Copper property, is interpreted to be Archean in age.

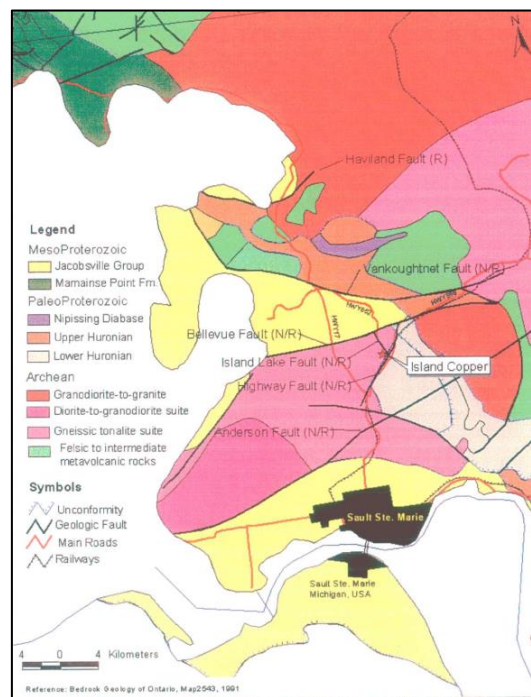


Figure 3: Simplified Regional Geology Map

Paleoproterozoic rocks (Figure 3) of the Southern Province in the region consist mostly of sedimentary and volcanic assemblages, which unconformably overly the Archean basement rocks, and are gently to moderately deformed. The Huronian Supergroup is represented in the Sault Ste. Marie to Eliot Lake area by the gabbro to anorthosite intrusive rocks and basalt, rhyolite and clastic/chemical sedimentary sequence of the Elliot Lake Group, as well as the overlying clastic and carbonate sedimentary rocks of the Hough Lake, Quirke Lake and Cobalt groups.

The Mesoproterozoic Keweenaw Supergroup and associated intrusive rocks (Figure 3) occupy the Midcontinent Rift and form a sequence in excess of 25 kilometre thick package overlying an attenuated Superior Province. Rocks of this age are best preserved along the eastern shore of Lake Superior, from Sault Ste. Marie, north to Mamainse Point and beyond. These gently to steeply west dipping rocks consist of subaerial flood basalt flows and alluvial-fluvial conglomerates of the Osler

Group and unconformably overlie feldspathic sandstones of the Jacobsville Group. The Keweenaw flood basalts and related intrusive rocks are interpreted to be the igneous expressions of the Midcontinent gravity high (Lightfoot et al, 1999). The basalt flows at Mamainse Point have been found to contain elevated background values of copper, averaging 920 ppm Cu (Thompson, 1953). This fact may partially explain why the region surrounding Lake Superior has been such a prolific copper producing region for over 100 years.

4.2 Local Geology

Gros Cap Gneiss comprises the majority of the outcrop on the property. The gneissic rocks are composed of granite and granodiorite that have been strongly to moderately foliated, and contain localized migmatitic units. At several locations, the gneiss appears intensely sheared, altered, and crosscut by east-west trending chlorite-altered amphibole schist. The gneiss has been further intruded by numerous gabbroic to fine-grained diabase dikes of at least three different ages. Larger dikes trend in a west-northwest direction and display a gabbroic texture, moderate to weak magnetism, with weak chloritization. Finer grained, moderately to strongly magnetic diabase dikes trend in a northwest direction. Several, southeast trending and north-south trending dikes of strongly magnetic biotite-lamprophyre comprise the youngest mafic intrusive units (Figure 4, modified after Camier and McLellan, 2000)

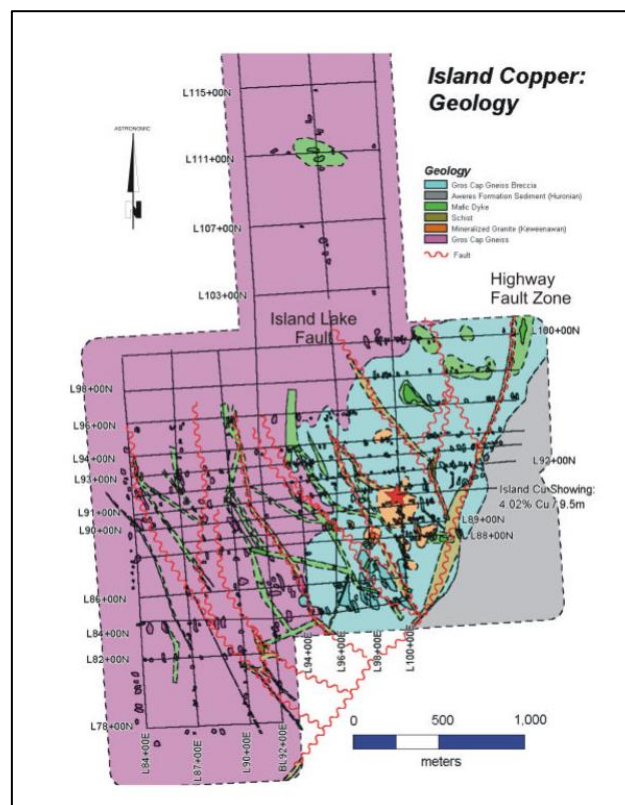


Figure 4: Local Geology of the Island Copper Area

Geological mapping on the property by Mumin and Cannier (2002) identified an area of gneissic breccia, informally referred to as the Gros Cap Gneiss Breccia, up to 1 kilometre in width and over two kilometres in length with the long axis trending in a north-easterly direction parallel to the Highway Fault (Figure 4). This gneissic breccia has been classified as a cataclastic rock varying from a protomylonite, with partially developed fluxion (flow) structure, to a microbreccia, containing larger

granitoid fragments with no flow structure. The composition of the Gros Cap Gneiss Breccia is quite variable ranging from a leucocratic granitoid or gneissic rock, to a mesocratic- to melanocratic chlorite amphibole schist. The Gros Cap Gneiss Breccia is juxtaposed against paraconglomerates and quartzites of the Aweres Formation along the Highway Fault; however, the quartzites and paraconglomerates of the Aweres Formation have not been affected by this cataclastic event suggesting that it is pre-Huronian in age.

On a regional scale, rocks within the area have undergone several episodes of structural deformation ranging in age from late Archean to middle Proterozoic which has been interpreted as a complex block faulting pattern with juxtaposed combinations of mid-Proterozoic, lower Proterozoic and Archean rocks along structures with repeated movement.

4.3 Mineralization

Copper mineralization in high concentration, for example historic drilling by Kennco Exploration returned 3.0 m @ 5.22 % Cu, and 9.5 m @ 4.02 % Cu; occurs at several locations within the property area. Specifically, at historical trenches of NIKOS Exploration (Figure 5) identified areas of the Hilltop Area 1W & 2S, Trench Area 1E, and Trench Area 3. Several other locations have lower concentrations of copper but occur in rocks that have been subjected to significant alteration in the form of albitization (such as Trench Area 7, Trench Area 2N & 8, Hilltop Area 1W & 2S, see Figure 5). High-grade mineralized zones are characterized by a chalcopyrite-pyrite-specularite mineral assemblage.



Figure 5: Historic Trench Location Map in the Island Copper Property Area

Mineralization consists of chalcopyrite with pyrite and minor bornite; occurring in clusters, veinlets and stockworks, and as disseminated grains in a medium-to coarse grained, pink-orange (flesh-tone) albite feldspar rock. Host rocks are typically granitic and gneissic micro-breccias.

Chalcopyrite is commonly accompanied by specular hematite occurs as disseminated grains, veinlets and stockworks. On the weathered surface, the mineralized area is characterized by anastomosing, irregular veinlets of sulphides (chalcopyrite and pyrite) and specularite cutting across medium-to coarse-grained, albite feldspar, and exhibiting a 'network' pattern.

Malachite and azurite occur as secondary minerals on fracture surfaces in a few places, but orange-red iron goossan is the most prevalent oxide on fracture surfaces and mineralized outcrop. Lower-grade mineralized zones are characterized by a specularite-chalcopryrite-pyrite mineral assemblage, with the sulphides comprising a minor component. The lower-grade mineralized zones are dominated by specularite occurring as veinlets, stockworks, and as disseminated grains in a dominantly albite feldspar rock.

In both high-grade and lower-grade mineralized zones, the style of mineral emplacement appears to be quite similar and characterized by the development of clusters, veinlets, and stockworks or networks of the dominant minerals contained in an albite feldspar rock. Lower-grade zones are dominated by specularite, while high-grade zones are dominated by chalcopryrite-pyrite.

A substantial difference between the high and lower grade zones is the presence of late, brittle, intersecting structures in the high-grade zones (Hilltop Area, Trench Area 3, and Trench Area 1E). These late structures appear to be related to the main copper bearing mineralizing event.

5.0 Exploration

On June 13th & 14th, 2018, Transition Metals Corp geologists Grant Murre, P. Geo, and Brad Clarke, c. The programme aimed at collecting samples in which to validate historical analytical results; while also to collect unbiased representative samples which could be analysed for a wider array of elements which were not historically reported in available assessment documents.

5.1 Sampling and Results

Company geologists collected a total nine (9) representative grab samples from the area of the 'main showing', in the vicinity of the 'Hilltop Area 1W & 2S' trench (of NIKOS Exploration, see Figure 5, and review Appendix A & B). Below is a highlight table of analytical results (Table 3). Samples from the 'main showing' returned comparable result to historical work, with best sample returning 9 wt. % copper.

Table 3: Highlight table of results

| Sample ID | Rock Type | Easting | Northing | Cu ppm | Cu wt. % | S wt. % | Ag ppm |
|-----------|-----------|---------|----------|--------|----------|---------|--------|
| S899379 | Granite | 708498 | 5172557 | 28000 | 2.80 | 3.21 | <1 |
| S899380 | Granite | 708501 | 5172555 | 90000 | 9.00 | 9.41 | 7 |
| S899381 | Granite | 708504 | 5172557 | 42100 | 4.21 | 3.97 | 4 |
| S899382 | Granite | 708501 | 5172554 | 46700 | 4.67 | 5.37 | 1 |
| S899383 | Granite | 708507 | 5172552 | 46900 | 4.69 | 4.72 | 2 |
| S899384 | Granite | 708510 | 5172553 | 16100 | 1.61 | 1.63 | <1 |
| S899385 | Granite | 708512 | 5172554 | 37200 | 3.72 | 3.8 | <1 |
| S899386 | Granite | 708513 | 5172550 | 31400 | 3.14 | 3.19 | <1 |
| S899387 | Granite | 708516 | 5172551 | 6340 | 0.63 | 0.9 | 2 |

Sample location data was recorded by digital GPS (Appendix A) using datum UTM NAD 83, Zone 16N. Samples were submitted to AGAT Laboratories of Mississauga, Ontario; for multi-element package (201-378), which includes a Sodium Peroxide Fusion with an ICP-OES/ICP-MS finish.

See Appendix A for detailed maps with sample locations, and review Appendix B for Certificate of Analysis as well as laboratory Quality Assurance and Method Summary documentation.

6.0 Discussion

The 2018 sampling programme's analytical results returned unbiased samples of high grade Copper mineralization from one of the areas of historic work. However, with the extended array of analytical results, only minor background results of Sn, Ni, Zn, Pb values were encountered, with low values of Ag. This approach was intended to identify additional poly-metallic metals in the semi- to massive-sulphide material. However, at this time, Transition Metals Geologist did confirm the presence of high grade Copper mineralization.

7.0 Summary of Expenditures

The total value of the work completed on the claims comprising the Island Copper Property is summarized in Table 4 below. The total work expenditures for the work program(s) completed during the period of June 1st, 201 to June 30th, 2018 were valued at \$ 2,499.

Table 4: Summary of Expenditures

| Work Type | Work Subtype | Subtotal | Total |
|--------------------------------------|-------------------------|---------------------------|-----------------|
| Geological Survey Work | | | \$ 1,059 |
| | Geological Survey | 1,059 | |
| Associated Work types | | | \$ 1,440 |
| | Assays | 342 | |
| | Personal Transportation | 255 | |
| | Supplies | 57 | |
| | Report/Map | 529 | |
| | Food | 38 | |
| | Lodgings | 218 | |
| Aboriginal Consultation Costs | | | \$ - |
| | | Total Expenditures | \$ 2,499 |

Details regarding expenditures and associated invoices can be found within APPENDIX C, and tables contained within.

8.0 Conclusions and Recommendations

The available land position in the area is rather restricted due to in part alienations/land withdrawals and surrounding private patent ground. Thus it is debateable whether the property could be enlarged. Furthermore, the next step in exploration would require significant spending on updating and/or compiling (including reinterpreting historical) geophysical surveys; coupled with additional infill drilling, in an attempt to trace the known mineralization zones down dip.

Additionally; there could be some added value in re-mapping the property, with attention to geological detail, and a programme of stripping/trenching and channel sampling would be of use in the areas of historic workings. With the idea of trying to identify high(er) grade mineralization and/or an attempt in identifying zones of mineral or elemental (metal) association.

9.0 Statement of Authors

I, Benjamin Williams do hereby certify that:

- 1) I am an employee of Transition Metals Corp., of Sudbury, ON.
- 2) I currently reside at 407 Cartier Ave, Unit 3, Sudbury, Ontario, Canada, P3B 1C7,
- 3) I graduated with a B.Sc. Hon. Geology degree in 2013 from Saint Mary's University, Halifax, NS.
- 4) I am a registered Geologist in Training (GIT) with the Association of Professional Geoscientists of Ontario (APGO) since 2015 (Membership number: 10309).
- 5) I have been working as a Field Geologist in Canada since 2011.

Signed this Wednesday, 11 March 2020, in the City of Sudbury, Ontario



Benjamin Williams, GIT.

I, Grant Mourre do hereby certify that:

- 1) I am an employee of Transition Metals Corp., of Sudbury, ON.
- 2) I currently reside at 19 Kristi Crt, Sudbury, Ontario, P3E 5R4,
- 3) I graduated with B.Sc. Hon. Geology degree in 1997 from the University of Saskatchewan, Saskatoon, SK and a M.Sc. Geology degree in 2001 from Laurentian University, Sudbury, ON.
- 4) I am a registered Professional Geoscientists (P.Geo) with the Association of Professional Geoscientists of Ontario (APGO) since Oct 30, 2002 (Membership number: 0566).
- 5) I have been working as a Professional Geoscientists in Canada since 1999.

Signed this Wednesday, 11 March 2020 in the City of Sudbury, Ontario



Grant Mourre, P.GEO.

10.0 References

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Appendix A: Maps

Contents








| | |
|--------------------------------|---|
| 1. Grab Sample Details..... | 1 |
| 2. Property Location Map | 2 |
| 3. Claim Map | 3 |
| 4. Geology Map..... | 4 |
| 5. Sample Location Map..... | 5 |

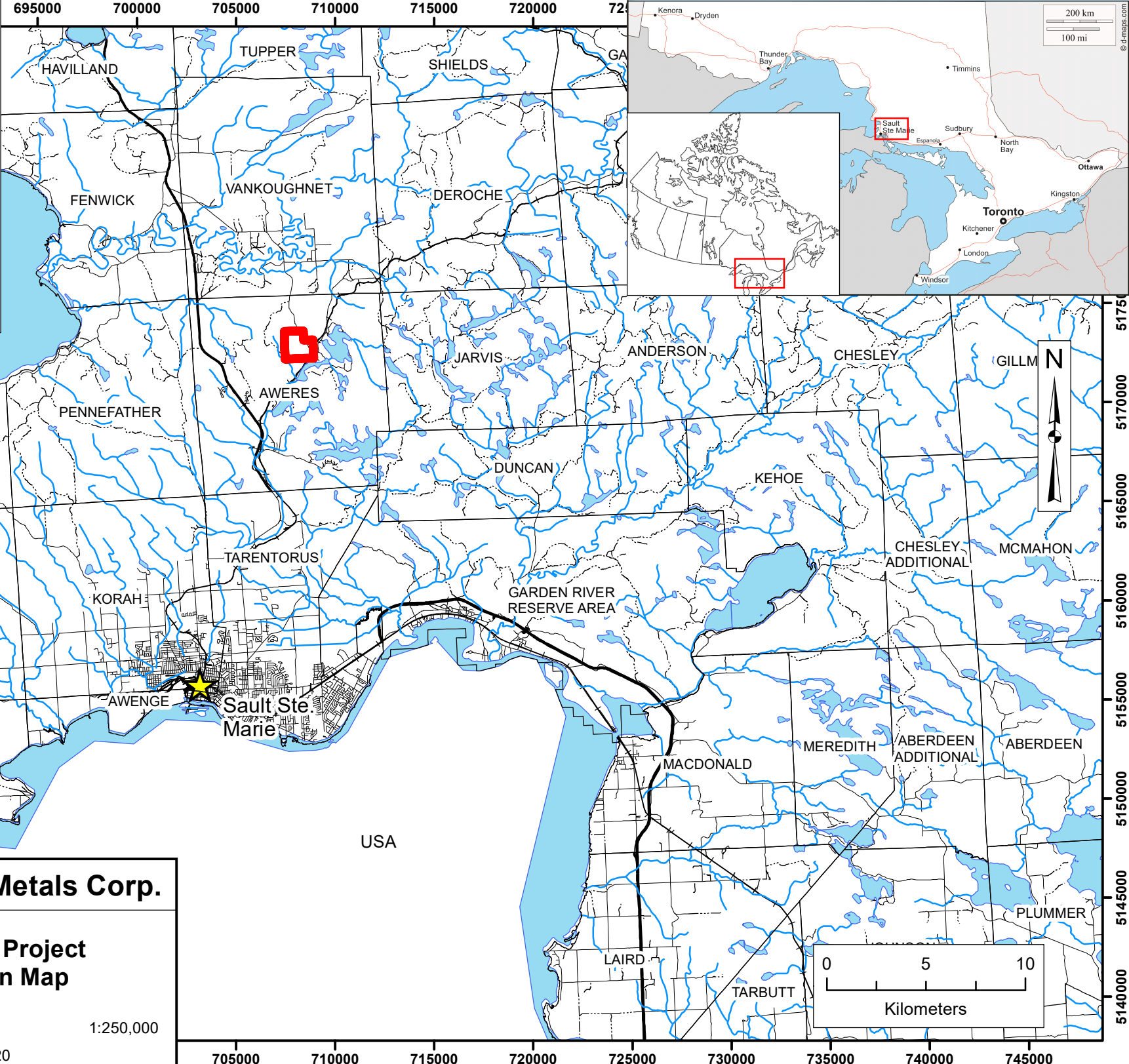
1. Grab Sample Details

Below contains a sample location map for the 2018 Mapping and Sampling program on the Island Copper Property. Discussion and summary about the program can be found within section 6.0 of the main report. Analytical certificates can be found within Appendix B. Northing & Easting units are in UTM NAD 83 Zone 16 N coordinates (in metres). Additional geographical representation and details on Sample location can be found within Sample Location Maps.

| Sample ID | Rock Type | Easting | Northing | Cu ppm | Cu wt.% | S wt.% | Ag ppm |
|-----------|-----------|---------|----------|--------|---------|--------|--------|
| S899379 | Granite | 708498 | 5172557 | 28000 | 2.80 | 3.21 | <1 |
| S899380 | Granite | 708501 | 5172555 | 90000 | 9.00 | 9.41 | 7 |
| S899381 | Granite | 708504 | 5172557 | 42100 | 4.21 | 3.97 | 4 |
| S899382 | Granite | 708501 | 5172554 | 46700 | 4.67 | 5.37 | 1 |
| S899383 | Granite | 708507 | 5172552 | 46900 | 4.69 | 4.72 | 2 |
| S899384 | Granite | 708510 | 5172553 | 16100 | 1.61 | 1.63 | <1 |
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| S899386 | Granite | 708513 | 5172550 | 31400 | 3.14 | 3.19 | <1 |
| S899387 | Granite | 708516 | 5172551 | 6340 | 0.63 | 0.9 | 2 |

Legend

-  Property Outline
-  Township
-  City
-  Rail
-  Highway
-  Road
-  Resource / Recreation

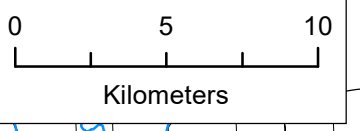


 **Transition Metals Corp.**







**Island Copper Project
Area Location Map**

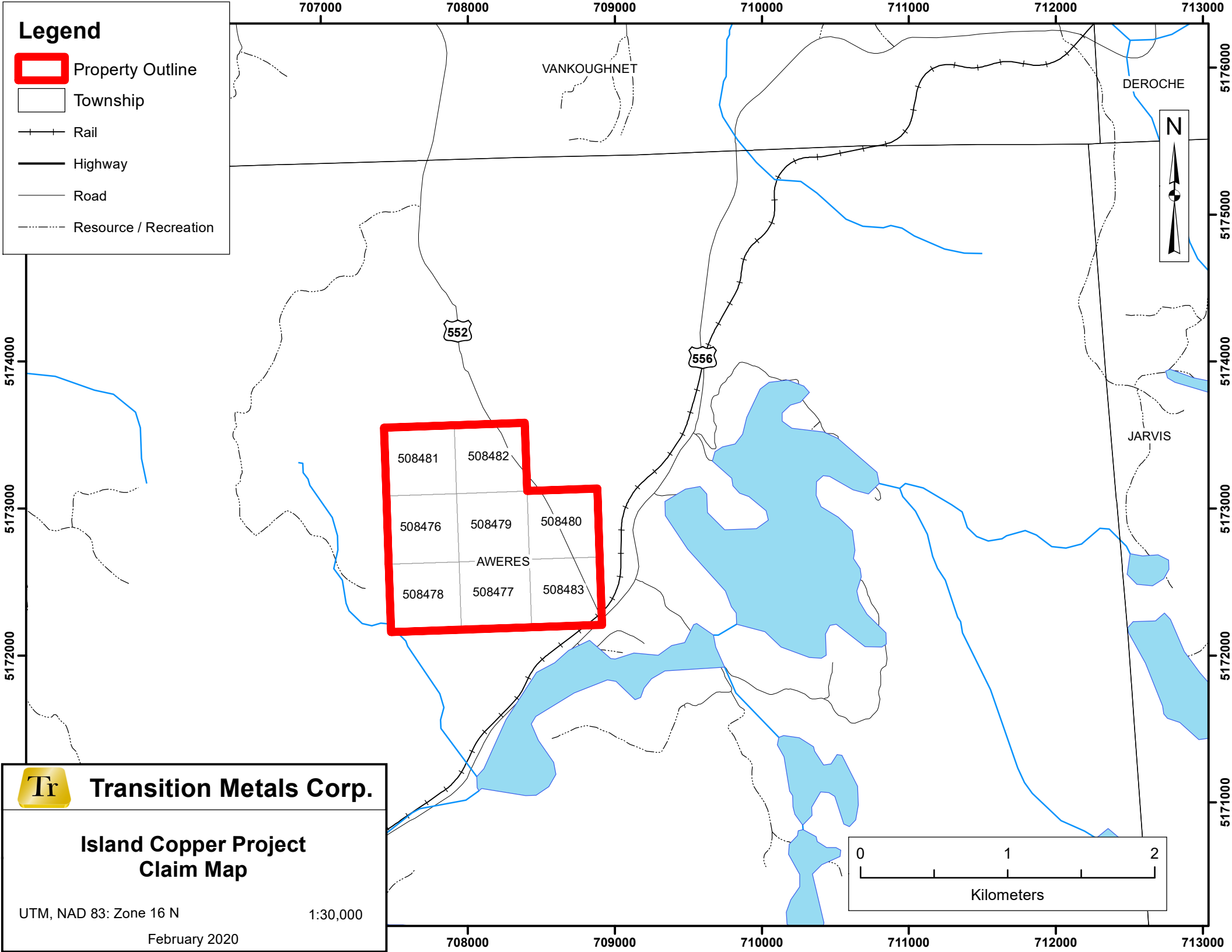
UTM, NAD 83: Zone 16 N 1:250,000

February 2020



Legend

-  Property Outline
-  Township
-  Rail
-  Highway
-  Road
-  Resource / Recreation

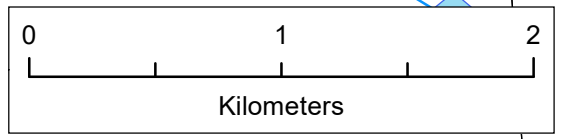


 **Transition Metals Corp.**

Island Copper Project Claim Map

UTM, NAD 83: Zone 16 N 1:30,000

February 2020



Legend

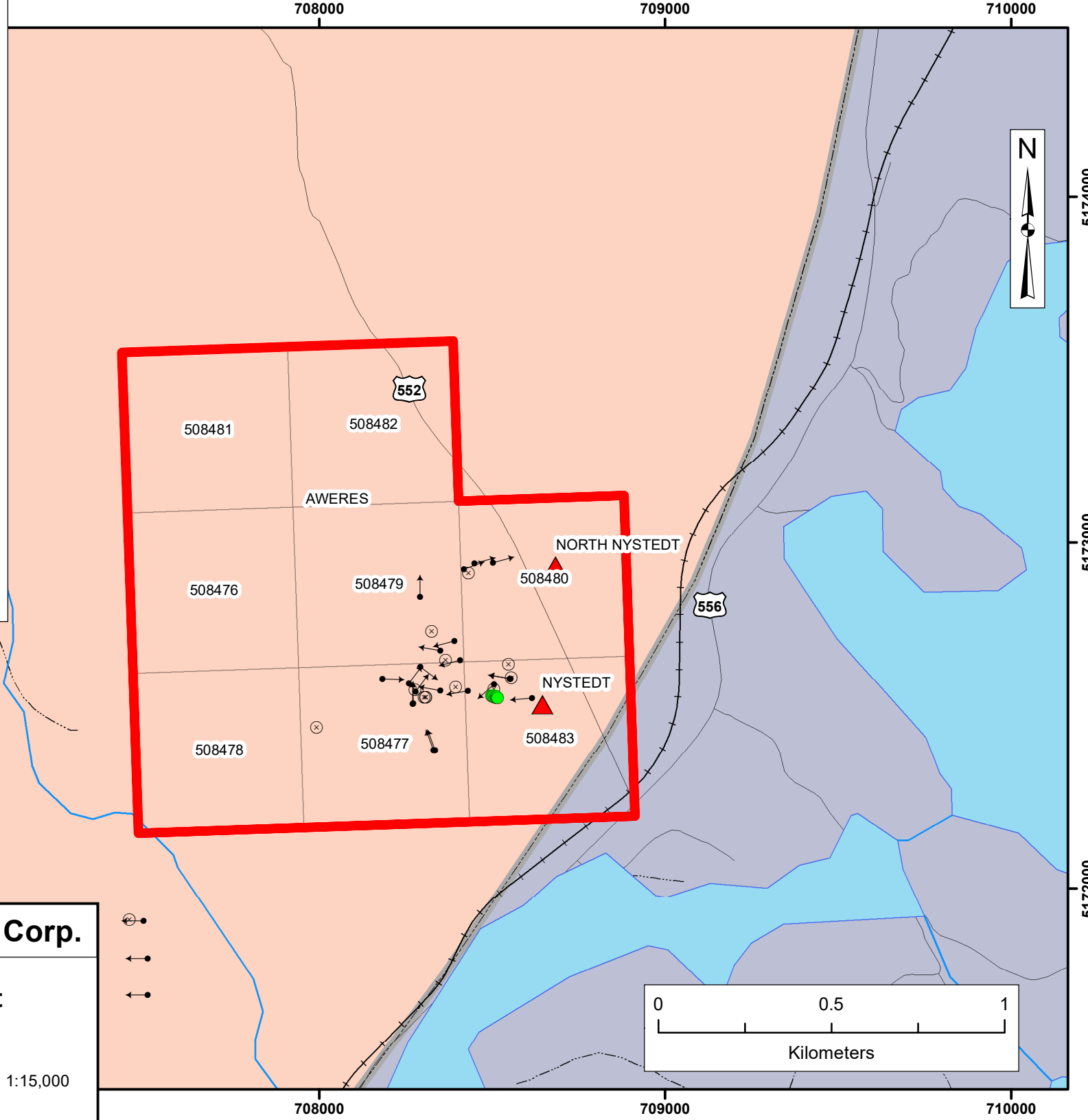
- Property Outline
- Mining Claims
- Township
- Rail
- Road
- Resource / Recreation Trails

Historical Drilling

- Vertical
- Inclined

Geology

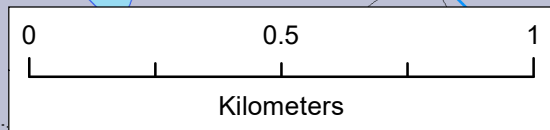
- Hough Lake Gp. - Mississauga Fm.
- Gross Cap Tonalite Gneiss
- Island Lake Fault
- Mineral Deposit Inventory Showing
- 2018 Sample Locations



Transition Metals Corp.

Island Copper Project Geology Map

UTM, NAD 83: Zone 16 N 1:15,000
February 2020




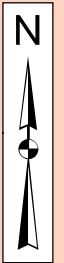
Legend

 Mining Claims

Geology

 Gross Cap Tonalite Gneiss

 2018 Sample Locations



S899379

S899381

S899380

S899382

**Mining
Claim:
508483**

S899383

S899384

S899385

S899386

S899387

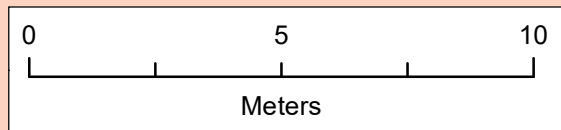
 **Transition Metals Corp.**

Island Copper Project Sample Location Map

UTM, NAD 83: Zone 16 N

1:150

February 2020



708500

708510

708520

5172560

5172560

5172550

5172550

5172540

5172540

Appendix B: Analytical Certificates

Contents

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

ATTENTION TO: GRANT MOURRE

PROJECT: PGEN

AGAT WORK ORDER: 18T349049

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Jul 09, 2018

PAGES (INCLUDING COVER): 11

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.



Certificate of Analysis

AGAT WORK ORDER: 18T349049

PROJECT: PGEN

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

CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

(200-) Sample Login Weight

DATE SAMPLED: Jun 10, 2018

DATE RECEIVED: Jun 11, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | Analyte: | Sample Login Weight |
|---------------------|----------|---------------------|
| | Unit: | kg |
| | RDL: | 0.01 |
| S899379 (9318727) | | .969 |
| S899380 (9318728) | | .988 |
| S899381 (9318729) | | .980 |
| S899382 (9318730) | | .996 |
| S899383 (9318731) | | .838 |
| S899384 (9318732) | | .892 |
| S899385 (9318733) | | 1.408 |
| S899386 (9318734) | | 1.345 |
| S899387 (9318735) | | 1.073 |

Comments: RDL - Reported Detection Limit

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T349049

PROJECT: PGEN

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

CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

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

DATE SAMPLED: Jun 10, 2018

DATE RECEIVED: Jun 11, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | 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 |
| | RDL: | 1 | 0.01 | 5 | 20 | 0.5 | 5 | 0.1 | 0.05 | 0.2 | 0.1 | 0.5 | 0.005 | 0.1 | 5 |
| S899379 (9318727) | | <1 | 8.34 | <5 | <20 | 20.0 | <5 | 0.7 | 0.15 | <0.2 | 21.2 | 14.1 | 0.010 | 0.2 | 28000 |
| S899380 (9318728) | | 7 | 7.18 | <5 | <20 | 29.2 | <5 | 2.4 | 0.27 | <0.2 | 13.9 | 16.7 | 0.011 | 0.7 | 90000 |
| S899381 (9318729) | | 4 | 8.03 | <5 | <20 | 30.6 | <5 | 1.5 | 0.42 | <0.2 | 179 | 7.5 | 0.010 | 0.6 | 42100 |
| S899382 (9318730) | | 1 | 9.27 | <5 | <20 | 37.9 | <5 | 1.7 | 0.15 | <0.2 | 8.3 | 53.5 | 0.008 | 0.6 | 46700 |
| S899383 (9318731) | | 2 | 8.97 | <5 | <20 | 41.9 | <5 | 1.4 | 0.19 | <0.2 | 34.5 | 34.2 | 0.007 | 0.8 | 46900 |
| S899384 (9318732) | | <1 | 8.88 | <5 | <20 | 30.1 | <5 | 0.6 | 0.34 | <0.2 | 42.9 | 10.0 | 0.011 | 0.3 | 16100 |
| S899385 (9318733) | | <1 | 8.75 | <5 | <20 | 31.8 | <5 | 1.0 | 0.28 | <0.2 | 52.7 | 12.5 | 0.010 | 0.3 | 37200 |
| S899386 (9318734) | | <1 | 9.35 | <5 | <20 | 42.3 | <5 | 1.2 | 0.35 | <0.2 | 222 | 11.5 | 0.009 | 0.5 | 31400 |
| S899387 (9318735) | | 2 | 8.54 | 119 | <20 | 29.8 | <5 | 0.5 | 0.11 | <0.2 | 39.1 | 6.2 | 0.010 | 0.4 | 6340 |
| Sample ID (AGAT ID) | 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 |
| | 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 |
| S899379 (9318727) | | 0.20 | 0.10 | 0.30 | 4.23 | 11.3 | 0.68 | <1 | 2 | <0.05 | 0.2 | 0.15 | 10.1 | <10 | <0.05 |
| S899380 (9318728) | | 0.36 | 0.17 | 0.34 | 9.09 | 9.67 | 0.70 | <1 | 4 | 0.06 | 0.8 | 0.31 | 6.4 | <10 | <0.05 |
| S899381 (9318729) | | 0.81 | 0.21 | 1.93 | 4.28 | 11.6 | 4.34 | <1 | 4 | 0.11 | 0.4 | 0.26 | 87.3 | <10 | <0.05 |
| S899382 (9318730) | | 0.16 | 0.08 | 0.15 | 5.36 | 10.4 | 0.42 | <1 | 3 | <0.05 | 0.4 | 0.37 | 4.1 | <10 | <0.05 |
| S899383 (9318731) | | 0.25 | 0.10 | 0.43 | 5.01 | 11.2 | 0.99 | <1 | 2 | <0.05 | 0.4 | 0.42 | 17.2 | <10 | <0.05 |
| S899384 (9318732) | | 0.37 | 0.16 | 0.57 | 2.25 | 10.9 | 1.35 | <1 | 4 | 0.06 | 0.2 | 0.17 | 21.2 | <10 | <0.05 |
| S899385 (9318733) | | 0.48 | 0.17 | 0.74 | 3.96 | 10.6 | 1.64 | <1 | 3 | 0.08 | 0.2 | 0.20 | 25.7 | <10 | <0.05 |
| S899386 (9318734) | | 1.14 | 0.32 | 2.63 | 3.88 | 12.3 | 5.57 | <1 | 3 | 0.15 | 0.2 | 0.30 | 107 | <10 | <0.05 |
| S899387 (9318735) | | 0.35 | 0.17 | 0.54 | 4.53 | 11.7 | 1.19 | <1 | 3 | 0.06 | <0.2 | 0.16 | 19.0 | <10 | <0.05 |

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T349049

PROJECT: PGEN

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

CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

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

DATE SAMPLED: Jun 10, 2018

DATE RECEIVED: Jun 11, 2018

DATE REPORTED: Jul 09, 2018

SAMPLE TYPE: Rock

| Sample ID (AGAT ID) | 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 | % |
| | RDL: | 0.01 | 10 | 2 | 1 | 0.1 | 5 | 0.01 | 5 | 0.05 | 0.2 | 0.01 | 0.1 | 5 | 0.01 |
| S899379 (9318727) | | 0.07 | 20 | 6 | 2 | 8.7 | 13 | 0.02 | <5 | 2.19 | 4.1 | 3.21 | <0.1 | <5 | 28.1 |
| S899380 (9318728) | | 0.05 | 22 | 3 | 7 | 6.0 | 7 | 0.08 | 18 | 1.48 | 14.9 | 9.41 | 0.2 | <5 | 21.4 |
| S899381 (9318729) | | 0.05 | 25 | 6 | 9 | 69.2 | 7 | 0.15 | 19 | 18.2 | 11.2 | 3.97 | 0.2 | <5 | 26.4 |
| S899382 (9318730) | | 0.05 | 20 | 3 | 2 | 3.8 | 16 | 0.02 | 10 | 0.94 | 16.5 | 5.37 | 0.1 | <5 | 25.2 |
| S899383 (9318731) | | 0.07 | 21 | 4 | 2 | 13.5 | 9 | 0.02 | 11 | 3.55 | 18.4 | 4.72 | 0.1 | <5 | 26.0 |
| S899384 (9318732) | | 0.03 | 19 | 5 | 7 | 17.3 | 6 | 0.12 | 5 | 4.51 | 4.4 | 1.63 | 0.2 | <5 | 29.0 |
| S899385 (9318733) | | 0.03 | 17 | 6 | 5 | 21.2 | 13 | 0.08 | <5 | 5.46 | 6.2 | 3.80 | 0.1 | <5 | 28.8 |
| S899386 (9318734) | | 0.04 | 16 | 4 | 7 | 84.8 | 10 | 0.16 | <5 | 22.4 | 11.3 | 3.19 | 0.2 | <5 | 27.3 |
| S899387 (9318735) | | 0.14 | 232 | 6 | 4 | 15.4 | 7 | 0.05 | 13 | 4.03 | 5.1 | 0.90 | 1.6 | <5 | 30.3 |
| Sample ID (AGAT ID) | 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 |
| | 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 |
| S899379 (9318727) | | 1.2 | <1 | 51.9 | <0.5 | 0.07 | 3.6 | 0.05 | <0.5 | <0.05 | 0.38 | 8 | <1 | 0.9 | 0.1 |
| S899380 (9318728) | | 1.0 | <1 | 69.5 | 0.5 | 0.07 | 8.7 | 0.28 | <0.5 | <0.05 | 1.25 | <5 | 2 | 1.6 | 0.2 |
| S899381 (9318729) | | 8.5 | <1 | 87.3 | 0.8 | 0.36 | 7.2 | 0.39 | <0.5 | <0.05 | 2.64 | <5 | 2 | 2.5 | 0.3 |
| S899382 (9318730) | | 0.7 | <1 | 94.9 | <0.5 | <0.05 | 2.3 | 0.12 | <0.5 | <0.05 | 1.60 | <5 | <1 | 0.7 | <0.1 |
| S899383 (9318731) | | 1.9 | <1 | 88.1 | <0.5 | 0.09 | 2.7 | 0.10 | <0.5 | <0.05 | 0.78 | <5 | <1 | 1.0 | 0.1 |
| S899384 (9318732) | | 2.4 | <1 | 90.9 | 0.6 | 0.13 | 7.7 | 0.36 | <0.5 | <0.05 | 1.31 | <5 | 1 | 1.6 | 0.2 |
| S899385 (9318733) | | 3.0 | <1 | 81.3 | <0.5 | 0.15 | 8.0 | 0.25 | <0.5 | <0.05 | 1.21 | <5 | 2 | 1.8 | 0.2 |
| S899386 (9318734) | | 11.1 | <1 | 87.5 | 0.5 | 0.46 | 8.8 | 0.43 | <0.5 | <0.05 | 1.59 | <5 | 5 | 3.4 | 0.3 |
| S899387 (9318735) | | 2.1 | 2 | 71.9 | <0.5 | 0.10 | 7.7 | 0.16 | <0.5 | <0.05 | 0.72 | 18 | 5 | 1.6 | 0.2 |

Certified By:



Certificate of Analysis

AGAT WORK ORDER: 18T349049

PROJECT: PGEN

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

CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

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

| DATE SAMPLED: Jun 10, 2018 | DATE RECEIVED: Jun 11, 2018 | DATE REPORTED: Jul 09, 2018 | SAMPLE TYPE: Rock |
|----------------------------|-----------------------------|-----------------------------|-------------------|
| Analyte: | Zn | Zr | |
| Unit: | ppm | ppm | |
| RDL: | 5 | 0.5 | |
| Sample ID (AGAT ID) | | | |
| S899379 (9318727) | 10 | 58.2 | |
| S899380 (9318728) | 47 | 139 | |
| S899381 (9318729) | 27 | 158 | |
| S899382 (9318730) | 28 | 97.2 | |
| S899383 (9318731) | 36 | 92.7 | |
| S899384 (9318732) | 15 | 155 | |
| S899385 (9318733) | 13 | 110 | |
| S899386 (9318734) | 21 | 126 | |
| S899387 (9318735) | 41 | 121 | |

Comments: RDL - Reported Detection Limit

Certified By:



CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

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

| Parameter | REPLICATE #1 | | | | REPLICATE #2 | | | | | | | | | | | |
|-----------|--------------|----------|-----------|------|--------------|----------|-----------|-------|--|--|--|--|--|--|--|--|
| | Sample ID | Original | Replicate | RPD | Sample ID | Original | Replicate | RPD | | | | | | | | |
| Ag | 9318727 | < 1 | < 1 | 0.0% | 9318735 | 2 | 2 | 0.0% | | | | | | | | |
| Al | 9318727 | 8.34 | 8.27 | 0.8% | 9318735 | 8.54 | 8.42 | 1.4% | | | | | | | | |
| As | 9318727 | < 5 | < 5 | 0.0% | 9318735 | 119 | 118 | 0.8% | | | | | | | | |
| B | 9318727 | < 20 | < 20 | 0.0% | 9318735 | < 20 | < 20 | 0.0% | | | | | | | | |
| Ba | 9318727 | 20.0 | 20.3 | 1.5% | 9318735 | 29.8 | 29.8 | 0.0% | | | | | | | | |
| Be | 9318727 | < 5 | < 5 | 0.0% | 9318735 | < 5 | < 5 | 0.0% | | | | | | | | |
| Bi | 9318727 | 0.73 | 0.75 | 2.7% | 9318735 | 0.47 | 0.45 | 4.3% | | | | | | | | |
| Ca | 9318727 | 0.149 | 0.156 | 4.6% | 9318735 | 0.112 | 0.120 | 6.9% | | | | | | | | |
| Cd | 9318727 | < 0.2 | < 0.2 | 0.0% | 9318735 | < 0.2 | < 0.2 | 0.0% | | | | | | | | |
| Ce | 9318727 | 21.2 | 20.6 | 2.9% | 9318735 | 39.1 | 39.5 | 1.0% | | | | | | | | |
| Co | 9318727 | 14.1 | 14.2 | 0.7% | 9318735 | 6.17 | 6.02 | 2.5% | | | | | | | | |
| Cr | 9318727 | 0.010 | 0.010 | 0.0% | 9318735 | 0.010 | 0.010 | 0.0% | | | | | | | | |
| Cs | 9318727 | 0.2 | 0.2 | 0.0% | 9318735 | 0.38 | 0.33 | 14.1% | | | | | | | | |
| Cu | 9318727 | 28000 | 28300 | 1.1% | 9318735 | 6340 | 6290 | 0.8% | | | | | | | | |
| Dy | 9318727 | 0.202 | 0.216 | 6.7% | 9318735 | 0.35 | 0.33 | 5.9% | | | | | | | | |
| Er | 9318727 | 0.10 | 0.10 | 0.0% | 9318735 | 0.169 | 0.178 | 5.2% | | | | | | | | |
| Eu | 9318727 | 0.30 | 0.29 | 3.4% | 9318735 | 0.54 | 0.48 | 11.8% | | | | | | | | |
| Fe | 9318727 | 4.23 | 4.18 | 1.2% | 9318735 | 4.53 | 4.44 | 2.0% | | | | | | | | |
| Ga | 9318727 | 11.3 | 11.5 | 1.8% | 9318735 | 11.7 | 10.8 | 8.0% | | | | | | | | |
| Gd | 9318727 | 0.68 | 0.64 | 6.1% | 9318735 | 1.19 | 1.16 | 2.6% | | | | | | | | |
| Ge | 9318727 | < 1 | < 1 | 0.0% | 9318735 | < 1 | < 1 | 0.0% | | | | | | | | |
| Hf | 9318727 | 2 | 1 | | 9318735 | 3 | 3 | 0.0% | | | | | | | | |
| Ho | 9318727 | < 0.05 | < 0.05 | 0.0% | 9318735 | 0.06 | 0.06 | 0.0% | | | | | | | | |
| In | 9318727 | 0.2 | 0.2 | 0.0% | 9318735 | < 0.2 | < 0.2 | 0.0% | | | | | | | | |
| K | 9318727 | 0.15 | 0.15 | 0.0% | 9318735 | 0.157 | 0.152 | 3.2% | | | | | | | | |
| La | 9318727 | 10.1 | 9.9 | 2.0% | 9318735 | 19.0 | 19.0 | 0.0% | | | | | | | | |
| Li | 9318727 | < 10 | < 10 | 0.0% | 9318735 | < 10 | < 10 | 0.0% | | | | | | | | |
| Lu | 9318727 | < 0.05 | < 0.05 | 0.0% | 9318735 | < 0.05 | < 0.05 | 0.0% | | | | | | | | |
| Mg | 9318727 | 0.07 | 0.07 | 0.0% | 9318735 | 0.14 | 0.14 | 0.0% | | | | | | | | |
| Mn | 9318727 | 20 | 19 | 5.1% | 9318735 | 232 | 228 | 1.7% | | | | | | | | |
| Mo | 9318727 | 6 | 6 | 0.0% | 9318735 | 6 | 6 | 0.0% | | | | | | | | |



CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

| | | | | | | | | | | | | | | | | | |
|----|---------|--------|--------|-------|---------|--------|--------|-------|--|--|--|--|--|--|--|--|--|
| Nb | 9318727 | 2 | 2 | 0.0% | 9318735 | 4 | 4 | 0.0% | | | | | | | | | |
| Nd | 9318727 | 8.72 | 8.43 | 3.4% | 9318735 | 15.4 | 15.1 | 2.0% | | | | | | | | | |
| Ni | 9318727 | 13 | 13 | 0.0% | 9318735 | 7 | 7 | 0.0% | | | | | | | | | |
| P | 9318727 | 0.02 | 0.02 | 0.0% | 9318735 | 0.05 | 0.05 | 0.0% | | | | | | | | | |
| Pb | 9318727 | < 5 | < 5 | 0.0% | 9318735 | 13 | 14 | 7.4% | | | | | | | | | |
| Pr | 9318727 | 2.19 | 2.13 | 2.8% | 9318735 | 4.03 | 4.13 | 2.5% | | | | | | | | | |
| Rb | 9318727 | 4.08 | 4.03 | 1.2% | 9318735 | 5.1 | 4.6 | 10.3% | | | | | | | | | |
| S | 9318727 | 3.21 | 3.21 | 0.0% | 9318735 | 0.900 | 0.892 | 0.9% | | | | | | | | | |
| Sb | 9318727 | < 0.1 | < 0.1 | 0.0% | 9318735 | 1.6 | 1.5 | 6.5% | | | | | | | | | |
| Sc | 9318727 | < 5 | < 5 | 0.0% | 9318735 | < 5 | < 5 | 0.0% | | | | | | | | | |
| Si | 9318727 | 28.1 | 27.8 | 1.1% | 9318735 | 30.3 | 29.3 | 3.4% | | | | | | | | | |
| Sm | 9318727 | 1.18 | 1.14 | 3.4% | 9318735 | 2.1 | 2.1 | 0.0% | | | | | | | | | |
| Sn | 9318727 | < 1 | < 1 | 0.0% | 9318735 | 2 | 2 | 0.0% | | | | | | | | | |
| Sr | 9318727 | 51.9 | 52.8 | 1.7% | 9318735 | 71.9 | 74.8 | 4.0% | | | | | | | | | |
| Ta | 9318727 | < 0.5 | < 0.5 | 0.0% | 9318735 | < 0.5 | < 0.5 | 0.0% | | | | | | | | | |
| Tb | 9318727 | 0.067 | 0.059 | 12.7% | 9318735 | 0.10 | 0.10 | 0.0% | | | | | | | | | |
| Th | 9318727 | 3.62 | 3.67 | 1.4% | 9318735 | 7.66 | 7.43 | 3.0% | | | | | | | | | |
| Ti | 9318727 | 0.05 | 0.05 | 0.0% | 9318735 | 0.16 | 0.16 | 0.0% | | | | | | | | | |
| Tl | 9318727 | < 0.5 | < 0.5 | 0.0% | 9318735 | < 0.5 | < 0.5 | 0.0% | | | | | | | | | |
| Tm | 9318727 | < 0.05 | < 0.05 | 0.0% | 9318735 | < 0.05 | < 0.05 | 0.0% | | | | | | | | | |
| U | 9318727 | 0.38 | 0.38 | 0.0% | 9318735 | 0.72 | 0.71 | 1.4% | | | | | | | | | |
| V | 9318727 | 8 | 7 | 13.3% | 9318735 | 18 | 17 | 5.7% | | | | | | | | | |
| W | 9318727 | < 1 | < 1 | 0.0% | 9318735 | 5 | 5 | 0.0% | | | | | | | | | |
| Y | 9318727 | 0.9 | 0.9 | 0.0% | 9318735 | 1.6 | 1.6 | 0.0% | | | | | | | | | |
| Yb | 9318727 | 0.1 | 0.1 | 0.0% | 9318735 | 0.2 | 0.2 | 0.0% | | | | | | | | | |
| Zn | 9318727 | 10 | 10 | 0.0% | 9318735 | 41 | 42 | 2.4% | | | | | | | | | |
| Zr | 9318727 | 58.2 | 54.1 | 7.3% | 9318735 | 121 | 112 | 7.7% | | | | | | | | | |



CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

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

| Parameter | CRM #1 (ref.SY-4) | | | | | | | | | | | | | | | | | | |
|-----------|-------------------|--------|----------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | Expect | Actual | Recovery | Limits | | | | | | | | | | | | | | | |
| Al | 10.95 | 11.43 | 104% | 90% - 110% | | | | | | | | | | | | | | | |
| Ba | 340 | 321 | 94% | 90% - 110% | | | | | | | | | | | | | | | |
| Be | 2.6 | 2.6 | 102% | 90% - 110% | | | | | | | | | | | | | | | |
| Ca | 5.72 | 5.85 | 102% | 90% - 110% | | | | | | | | | | | | | | | |
| Ce | 122 | 121 | 99% | 90% - 110% | | | | | | | | | | | | | | | |
| Co | 2.8 | 2.6 | 92% | 90% - 110% | | | | | | | | | | | | | | | |
| Cs | 1.5 | 1.5 | 100% | 90% - 110% | | | | | | | | | | | | | | | |
| Cu | 7 | 6 | 82% | 90% - 110% | | | | | | | | | | | | | | | |
| Dy | 18.2 | 17.1 | 94% | 90% - 110% | | | | | | | | | | | | | | | |
| Er | 14.2 | 13.5 | 95% | 90% - 110% | | | | | | | | | | | | | | | |
| Eu | 2.0 | 1.94 | 97% | 90% - 110% | | | | | | | | | | | | | | | |
| Fe | 4.34 | 4.38 | 101% | 90% - 110% | | | | | | | | | | | | | | | |
| Ga | 35 | 34 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| Gd | 14 | 13 | 96% | 90% - 110% | | | | | | | | | | | | | | | |
| Hf | 10.6 | 9.9 | 93% | 90% - 110% | | | | | | | | | | | | | | | |
| Ho | 4.3 | 4.1 | 96% | 90% - 110% | | | | | | | | | | | | | | | |
| K | 1.37 | 1.34 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| La | 58 | 57 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| Li | 37 | 36 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| Lu | 2.1 | 2.1 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| Mg | 0.325 | 0.318 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| Mn | 836 | 803 | 96% | 90% - 110% | | | | | | | | | | | | | | | |
| Nb | 13 | 13 | 100% | 90% - 110% | | | | | | | | | | | | | | | |
| Nd | 57 | 56 | 98% | 90% - 110% | | | | | | | | | | | | | | | |
| Ni | 9 | 9 | 97% | 90% - 110% | | | | | | | | | | | | | | | |
| Pb | 10 | 9 | 90% | 90% - 110% | | | | | | | | | | | | | | | |
| Pr | 15.0 | 13.6 | 90% | 90% - 110% | | | | | | | | | | | | | | | |
| Rb | 55 | 53 | 96% | 90% - 110% | | | | | | | | | | | | | | | |
| Si | 23.3 | 22 | 94% | 90% - 110% | | | | | | | | | | | | | | | |
| Sm | 12.7 | 12.7 | 100% | 90% - 110% | | | | | | | | | | | | | | | |
| Sn | 7.1 | 6.9 | 97% | 90% - 110% | | | | | | | | | | | | | | | |



CLIENT NAME: TRANSITION METALS

ATTENTION TO: GRANT MOURRE

| | | | | | | | | | | | | | | | | | |
|----|-------|-------|------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Sr | 1191 | 1189 | 100% | 90% - 110% | | | | | | | | | | | | | |
| Ta | 0.9 | 0.7 | 82% | 90% - 110% | | | | | | | | | | | | | |
| Tb | 2.6 | 2.5 | 97% | 90% - 110% | | | | | | | | | | | | | |
| Th | 1.4 | 1.5 | 105% | 90% - 110% | | | | | | | | | | | | | |
| Ti | 0.172 | 0.169 | 98% | 90% - 110% | | | | | | | | | | | | | |
| Tm | 2.3 | 2.2 | 94% | 90% - 110% | | | | | | | | | | | | | |
| U | 0.8 | 0.9 | 109% | 90% - 110% | | | | | | | | | | | | | |
| V | 8 | 6 | 73% | 90% - 110% | | | | | | | | | | | | | |
| Y | 119 | 116 | 98% | 90% - 110% | | | | | | | | | | | | | |
| Yb | 14.8 | 14.4 | 97% | 90% - 110% | | | | | | | | | | | | | |
| Zn | 93 | 91 | 98% | 90% - 110% | | | | | | | | | | | | | |
| Zr | 517 | 518 | 100% | 90% - 110% | | | | | | | | | | | | | |



Method Summary

CLIENT NAME: TRANSITION METALS
 PROJECT: PGEN
 SAMPLING SITE:

AGAT WORK ORDER: 18T349049
 ATTENTION TO: GRANT MOURRE
 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 |



Method Summary

CLIENT NAME: TRANSITION METALS
PROJECT: PGEN
SAMPLING SITE:

AGAT WORK ORDER: 18T349049
ATTENTION TO: GRANT MOURRE
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 |