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2020 EXPLORATION MAPPING AND PROSPECTING

- MONGOWIN PROPERTY - ESPINOLA, ONTARIO

**Mongowin, Whitefish Falls Area,
and McKinnon Townships**

Sudbury Mining Division

NTS 041 I 04

Prepared For
Transition Metals Corp.

Thursday, 07 April 2022

Benjamin Williams, GIT

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1.0 INTRODUCTION

The following Report encompasses work on the Mongowin Property (

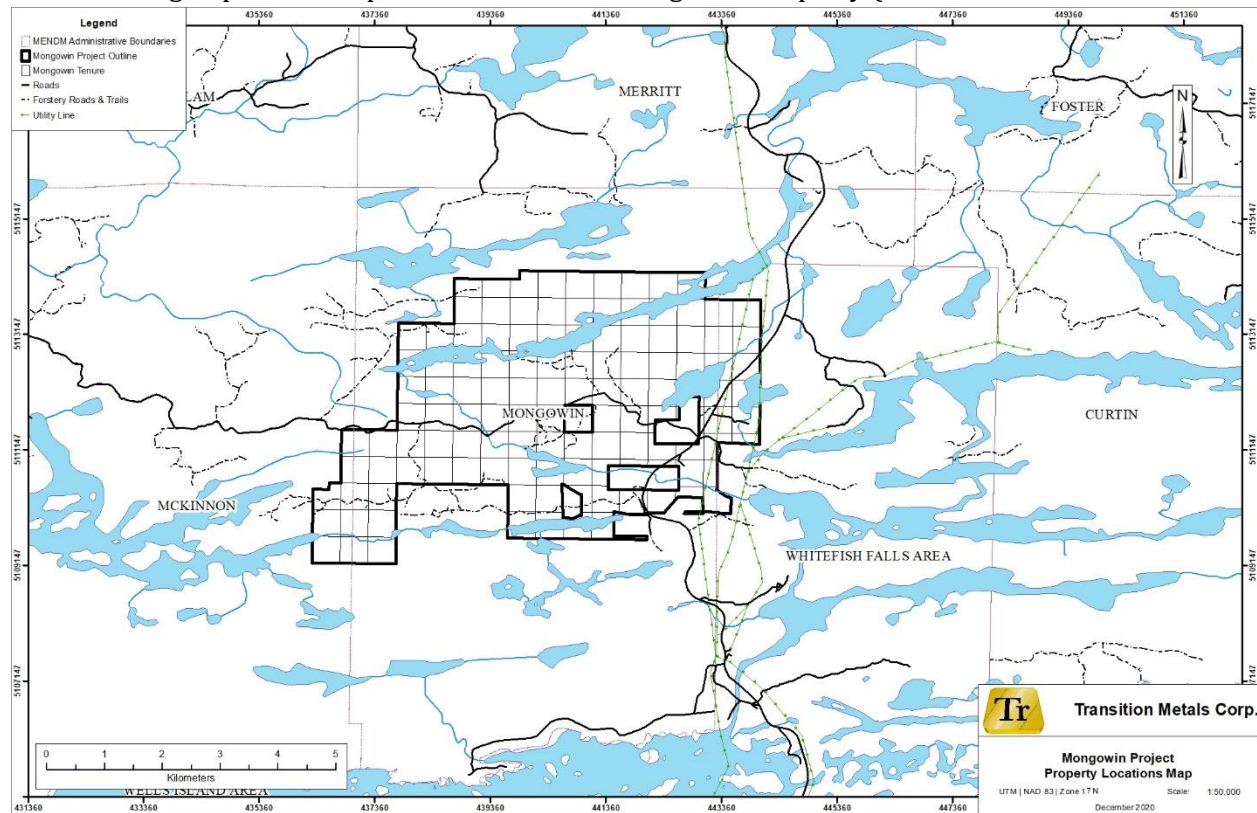


Figure 1: Mongowin Property Location Map

), undertaken by Transition Metals Corp employees between June 20th and December 17th, 2020. Geological exploration work consisting of prospecting, sampling, and compilation mapping performed on the property within in Mongowin, Whitefish Falls Area, and McKinnon Townships, Ontario. Aspects of the work were carried out by Transition Metals employee Ben Williams, contract assistant Andrew McLellan, and overseen by VP. Exploration Thomas Hart, P.Geo.

2.0 PROPERTY LOCATION, ACCESS, AND DESCRIPTION

The property is located approximately 15 km South of Espanola, ON in Mongowin, Whitefish Falls Area, and McKinnon Townships (Figure 1). The property is accessible via Hwy 6, approximately 15 km south of Espanola, ON. The Fox Lake Road and an old railroad bed run through the middle of the property, which can be accessed by quad, ATV, or snowmachine year-round.

The property consists of 122 contiguous mining claims (Table 1), currently owned by Transition Metals Corp. The property was owned by Transition Metals Corp, in various stages from 2012

through to January of 2022, whereby Transition Metals sold its interest in the property (subject to conditions) to McFarlane Lake Mining Inc. of Sudbury, ON. See Transition Metals Corp. news release dated February 1st, 2022 (available on SEDAR) for further details pertaining to purchase and sale agreement.

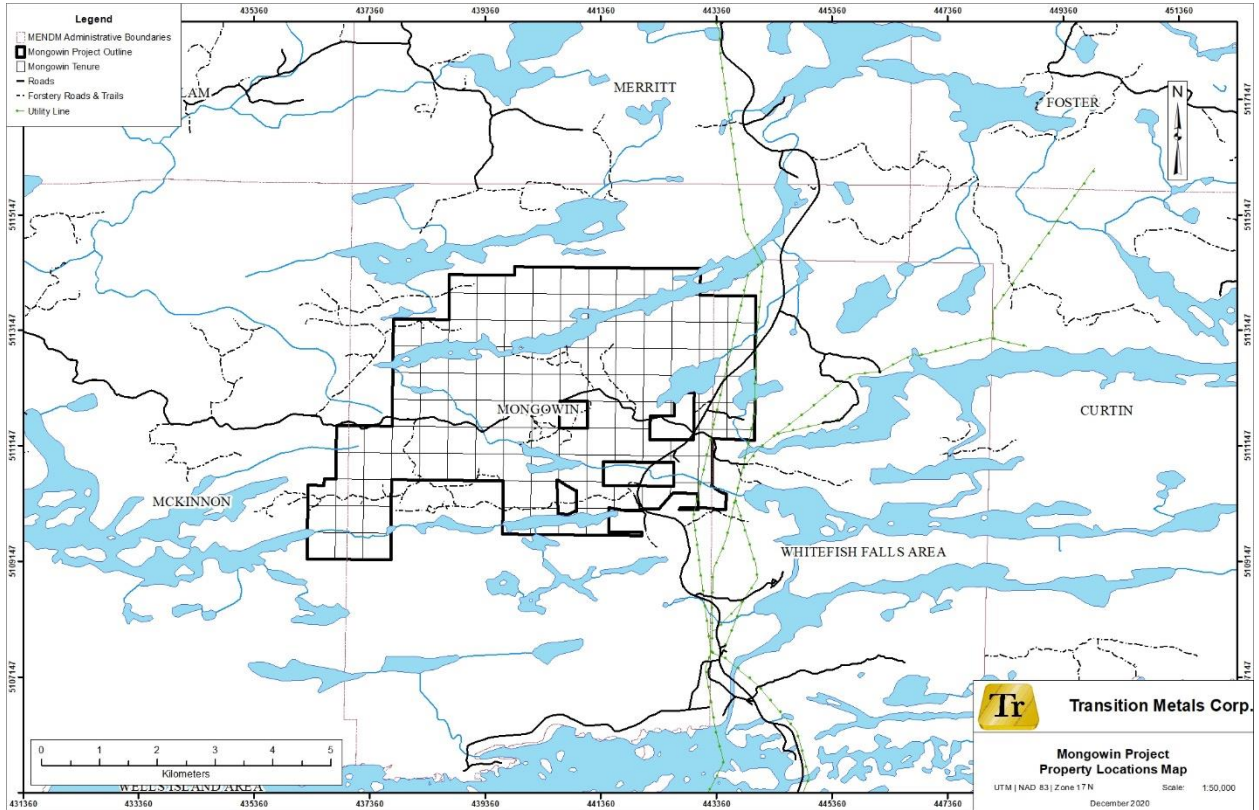


Figure 1: Mongowin Property Location Map

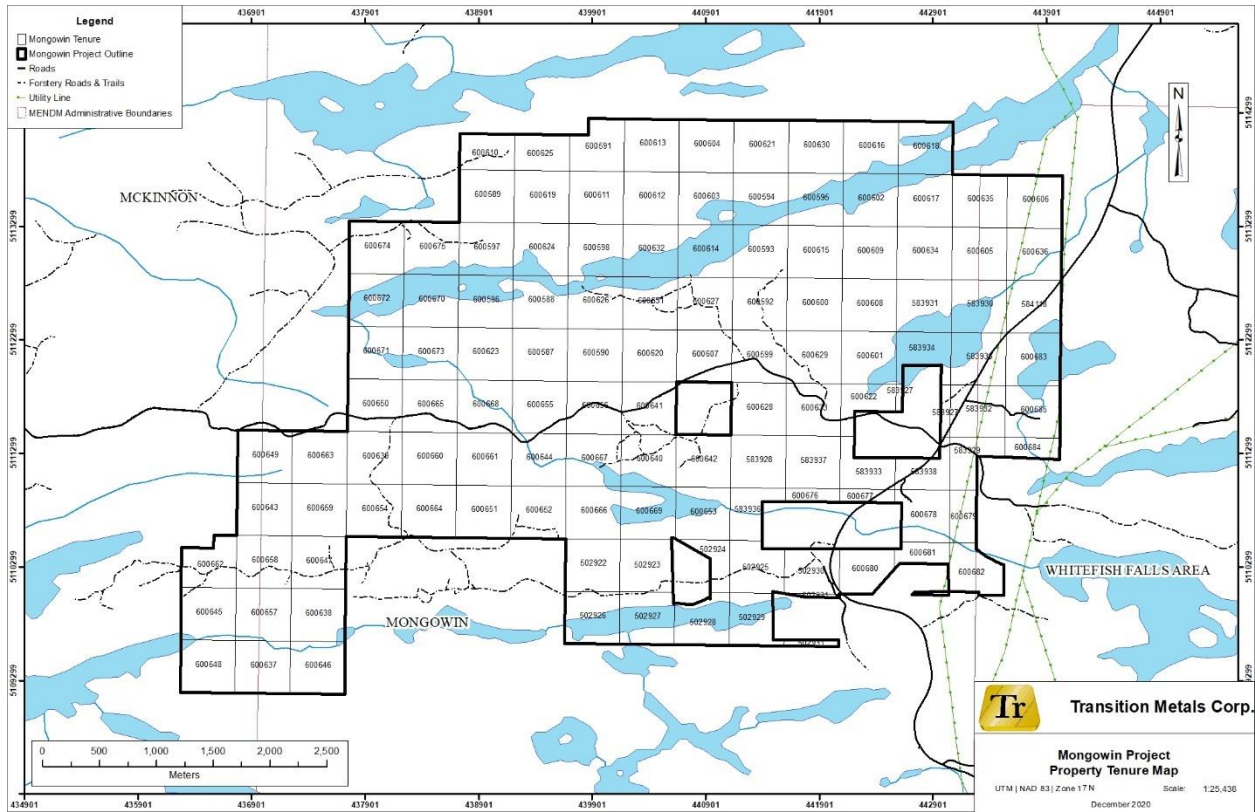


Figure 2: Mongowin Property Claim Tenure Map

Table 1: List of Claim Tenures Comprising the Mongowin Property

TENURE	TITLE TYPE	HOLDER	Area (Ha)
584118	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583937	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583938	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	15.0
583927	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	5.5
583928	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583929	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	15.1
583930	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583931	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583932	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583933	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	15.5
583934	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	16.7
583935	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
583936	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	15.5
600621	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600622	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	14.3
600623	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3

TENURE	TITLE TYPE	HOLDER	Area (Ha)
600624	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600625	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	15.4
600626	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600628	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600627	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600629	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600630	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600631	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600632	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600633	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600634	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600635	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600636	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600587	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600588	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600589	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600590	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600591	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	20.0
600592	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600593	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600594	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600595	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600596	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600597	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600598	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600599	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600600	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600601	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600602	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600608	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600609	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600603	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600604	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600605	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600606	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600607	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600610	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	15.3
600611	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600612	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600613	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3

TENURE	TITLE TYPE	HOLDER	Area (Ha)
600614	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600615	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600616	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600617	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600618	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600619	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600620	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600681	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	9.9
600682	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	19.0
600676	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	5.7
600677	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	5.7
600678	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	20.4
600679	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	10.9
600680	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	17.1
600683	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600684	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	8.6
600685	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600637	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
600638	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
600639	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600640	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600641	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600642	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600643	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600644	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600645	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
600646	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
600647	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600648	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
600649	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600650	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600655	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600651	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600652	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600653	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600654	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600656	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600657	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
600658	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600659	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3

TENURE	TITLE TYPE	HOLDER	Area (Ha)
600660	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600661	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600664	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600662	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	19.2
600663	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600665	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600666	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600667	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600668	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600669	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600670	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600671	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600672	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600673	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600674	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
600675	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
502922	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.3
502923	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	21.3
502924	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	10.4
502925	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	20.9
502926	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.4
502927	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	22.2
502928	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	19.6
502929	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	18.3
502930	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	19.1
502931	Single Cell Mining Claim	(100) TRANSITION METALS CORP.	3.9

3.0 HISTORICAL WORK

The following is a summary culled from the MNDM records of previous work completed on or adjacent to the Mongowin Property:

- 1910 Mr. A Heard sunk 12' test pit on Lakeshore Pit Vein System (McMillan Mine H/C Zone). This pit is roughly 1000 metres east of East McMillan property and is the earliest documentation of gold exploration in the area. (Lapierre 1986)
- 1920s Majestic Mines Limited completed surface prospecting at the Majestic showing. A shaft was sunk 228' and 480' of crosscutting on 100' and 200' levels was completed. Jo-Ami mine in operation
- 1959 Jo-Ami Gold: seventeen diamond drill holes totaling 3,742 feet.
- 1961 Dayjon Explorers Limited: geological mapping and a magnetic survey.
- 1967 Advance Geology & Geophysics Ltd: magnetic survey
- 1968 Accra Exploration Ltd: six diamond drill holes totaling 2,422 feet. Results indicated a single gold-bearing structure exists on the property and narrow quartz veins carry substantial gold.
- 1975 J.R. Allard: excavated 4 trenches and a pit
- 1977 E.J. Blanchard: Airborne radiometric survey to determine if any of the laminated argillites are radioactive. No anomalies of any significance were noted.
- 1978 E.J. Blanchard: Airborne magnetic survey to establish whether sulphidized mineralized veins near the McMillon mine are magnetic.
- 1982 Ascona Petroleum Ltd: 4 diamond drill holes totaling 250 meters
- 1988 Mill City Gold Inc: geophysics
- 1990 Rainbow Exploration Corp: two diamond drill holes totaling approximately 1100 feet
- 1996 Garson Resources Ltd: vertical loop electromagnetic survey and two diamond drill holes totaling 250 meters.
- 1998 Datil Resources: 4 diamond drill holes totaling 2,750 feet. MC-3 intersected 41.2 g/t Au over 1' in quartzite with 6% fine-grained stockwork to blebby pyrite. This hole also intersected 4.6 g/t Au over 0.6' in quartzite with vuggy quartz vein with 10% pyrite.
- 2012 – In 2012 Transition Metals completed prospecting, sampling, and outcrop mapping of the Mongowin Township property. Grab samples from the Jo-Ami showing are yielded up to 0.442 g/t Au.

4.0 GEOLOGICAL SETTING AND MINERALIZATION

4.1 REGIONAL GEOLOGY

The Espanola area is located within the Southern Province of the Canadian Shield and is underlain by Precambrian metasedimentary rocks of the Huronian Supergroup (figure 3) deposited between ca. 2500 Ma and 2150 Ma (Card, 1984). The Huronian supergroup can be up to almost 9 km thick and is divided into four groups with a total of ten formations (table 2). Each group is made up of a cyclic repetition of conglomerates, argillite (pelite) and sandstone (quartzite).

Intruding into the Huronian Supergroup are sill-like intrusions, from oldest to youngest, of Nipissing diabase, amphibolite dikes, the Mongowin pluton (ultramafic to granitic in composition) and post tectonic diabase.

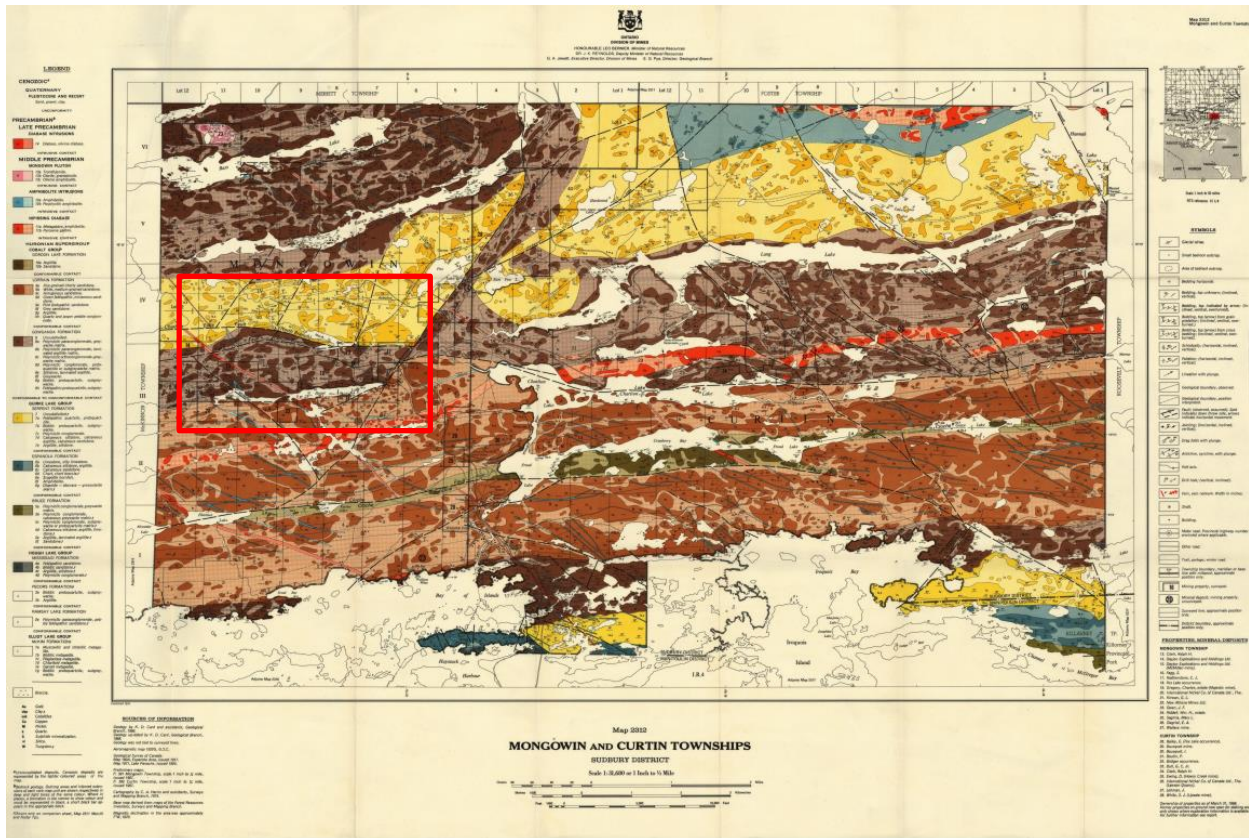


Figure 3: Regional Geology Map, from Card (1976), red box indicates property location

Table 2: Geological Lithologies, from Card (1976)

CENOZOIC	
QUATERNARY	
PLEISTOCENE AND RECENT	
Sand, gravel, clay	
	Unconformity
PRECAMBRIAN	
LATE PRECAMBRIAN	
(Proterozoic)	
LATE DIABASE INTRUSIONS	
Diabase, olivine diabase	
	Intrusive Contact
MIDDLE PRECAMBRIAN	
(Proterozoic)	
MONGOWIN PLUTON	
Metaperidotite, diorite, granodiorite, trondhjemite	
	Intrusive Contact
AMPHIBOLITE INTRUSIONS	
Amphibolite, porphyritic amphibolite	
	Intrusive Contact
NIPISSING DIABASE	
Gabbro, metagabbro	
	Intrusive Contact
HURONIAN SUPERGROUP	
COBALT GROUP	
GORDON LAKE FORMATION	
Argillite, sandstone	
LORRAIN FORMATION	
Sandstone, minor conglomerate and argillite	
COWCANDA FORMATION	
Conglomerate, argillite, sandstone	
	Disconformable Contact
QUIBBE LAKE GROUP	
SERPENT FORMATION	
Sandstone, minor conglomerate, argillite and calcareous metasediments	
ESPANOLA FORMATION	
Limestone, calcareous siltstone, argillite, breccia, sandstone, hornfels, amphibolite and skarn	
BRUCE FORMATION	
Conglomerate, minor argillite, sandstone	
	Conformable Contact?
HOUGH LAKE GROUP	
MESSIAGE FORMATION	
Sandstone, minor argillite and conglomerate	
PECORS FORMATION	
Argillite, sandstone	
RAMSAY LAKE FORMATION	
Conglomerate, sandstone	
	Conformable Contact
ELLIOT LAKE GROUP	
MCKIM FORMATION	
Argillite, siltstone, sandstone	

The area lies within the Penokean fold belt and has undergone at least three generations of deformational/metamorphic events, which as resulted in greenschist and almandine-amphibolite facies metamorphic rocks variably throughout the region, with the exception of the late diabase dykes and the Mongowin pluton. The three deformational events, from most intense to least intense, have generated east-west trending folds, east-west to northeast trending folds, and northwest to northeast trending folds.

Numerous faults are found throughout the Espanola-Whitefish area corresponding to at least three different fault systems with east-west, northeast and northwest trends respectively. Displacement along faults has been in the range of meters to hundreds of meters (Lapierre, 1985).

4.2 PROPERTY GEOLOGY

The following summary has been taken from internal company documentation, which was also summarized in historic assessment report authored by past Transition Metals employee (Shilson 2013).

The local geology consists predominantly of Gowganda and Lorain Formation metasediments of the Cobalt Group and Serpent Formation metasediments of the Quirke Lake group. Discounting the Gordon Lake Formation, the formations mentioned above are the youngest within the Huronian Supergroup. Locally all the metasedimentary units strike east-west, are steeply dipping, sometimes overturned and form the limb connecting the LaCloche syncline to the south with the Fox Lake anticline to the north.

4.2.1 Serpent Formation

The Serpent Formation straddles the northern edge of the property from East to West. The only unit observed on the property varies, on the outcrop scale, from feldspathic quartzite to protoquartzite. The feldspathic quartzite has a salmon-orange to pink weathered surface and the protoquartzite is brownish-grey to white on weathered surface.

4.2.2 Gowganda Formation

The large majority of the Transition Metals Corp. property lies within the Gowganda Formation. Locally, the unit consists of conformable and interbedded sequences of laminated and massive argillite, biotitic protoquartzite and paraconglomerates with a subgreywack to laminated argillite matrix. Except for the biotitic protoquartzite, the units tend to have a brownish-grey weathered surface and a massive blue grey fresh surface. The protoquartzite tends to have a whitish-grey to medium grey weathered and fresh surface often speckled with fine-grained biotite.

4.2.3 Lorrain Formation

The Lorrain Formation is visible in the southern portion of the claims. This unit ranges from a pink feldspathic sandstone to a grey sandstone.

4.2.4 Intrusive Rocks

Three different mafic intrusions found on the property including Precambrian diabase, amphibolite and Nipissing diabase. The Precambrian diabase and amphibolite are both north-west trending thin dykes that crosscut all units on the property. The amphibolite dykes are fine grained and occasionally contain trace disseminated Pyrite. These amphibolite dykes also showed a weak to moderate magnetism. The other intrusion was not observed and was interpreted from the Ontario Geological Survey map of the area. The Nipissing diabase is observed in the most southerly claim.

4.3 FAULTS

The project area hosts sections of the Charlton Lake Fault, North and South branch, and the House Lake Fault. The Charlton Lake Fault North and South Branch trend approximated 060 degrees in the west section of the property and quickly turn east-west trending before they join up at the east end of the property. The House Lake Fault trends east-west following House Lake south of the Charlton Lake Faults.

The only other major fault system found in the project area is the northern extension of the McMillan Fault which trends approximately northwest and abuts the south Branch of the Charlton Lake Fault.

4.4 MINERALIZATION

Mineralization on the Property typically consist of numerous quartz-calcite- chlorite veins which crosscut the Gowganda sediments, and locally contain pyrite, arsenopyrite, and gold. In several areas the sediments have been extensively replaced by albite and carbonates. (Lapierre 1986). Previous work in the area suggests that that perhaps the Nipissing diabase is spatially related to the quartz veining, as observed at the McMillan Mine, and that mineralization is found in close proximity to shears and fault zones where different lithological units are in contact.

5.0 EXPLORATION

Between June 20th and December 17th, 2020, Ben Williams, Field Geologist for Transition Metals, along with, contract assistant Andrew McLellan, visited the Mongowin Property on a number of occasions. The bulk of the geological map compilation was undertaken in June – July, with the aid of ONT-O.G.D.E-LIO Imagery – COOP 2016 aerial photographs (Figure 4). Further access to the property for prospecting and sampling, with confirmation mapping was undertaken over a six (6) day period in October and November 2020.

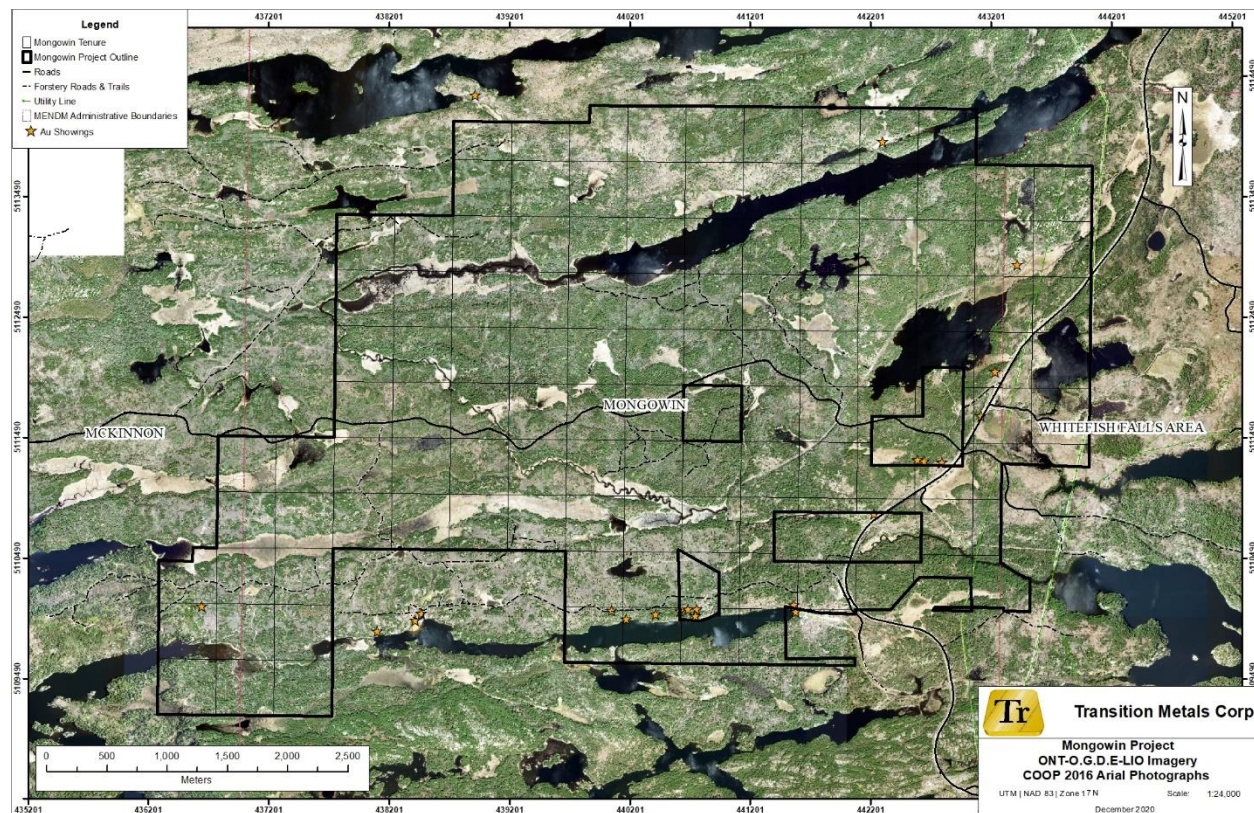


Figure 4: ONT-O.G.D.E-LIO Imagery – COOP 2016 aerial photographs

The Company performed traverses focused on prospecting and basic mapping, searching for favourable mineralization, alteration, and structural setting on the property. Mineralized occurrences were sampled as well as prospective quartz veins that exhibited rusty staining. Highlighted results are contained in Table 3 below.

Historic Maps and sections were incorporated and digitized, resulting in an updated detailed property scale geological map (Figure 5). Further details as per the sample locations, sample descriptions, and accompanying maps are provided within Appendix A. Corresponding analytical certificates and QA/QC documentation is contained within Appendix B.

Table 3: Highlighted Prospecting Results

Sample Number	Au (ppm)	Ag (ppm)	Cu (ppm)
X928152	5.59	<0.5	405
X928166	1.645	<0.5	1020
X928147	1.25	<0.5	523
X928149	1.235	<0.5	60
X928175	1.11	<0.5	47
X928142	0.697	<0.5	123
X928148	0.693	<0.5	94
X928165	0.534	<0.5	591
X928174	0.214	<0.5	107
X928146	0.191	<0.5	36

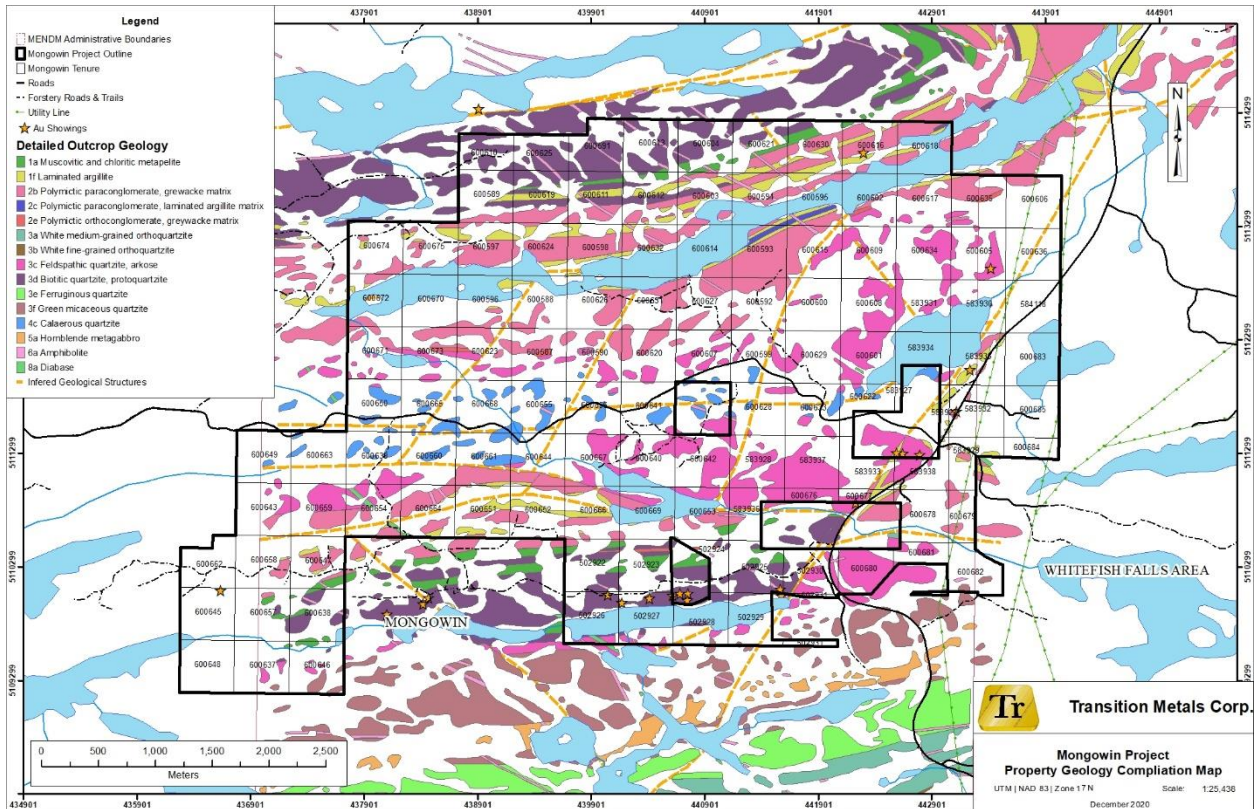


Figure 5: Property Geological Compilation Map

The lithologies encountered while mapping consist of those described in the local geology section above. Generally, the outcrops observed were not heavily veined or mineralized. However, outcrops leading into topographical lows (lakes and swamps), especially those associated with Northeast/Southwest trending lineaments displayed increasing signs of intense alteration and an increase in favourable mineralization. These zones were typically of intense albitic alteration, iron-carbonate alteration and to a lesser extent, areas of moderate silicification.

7.0 EXPENDITURES

The total value of the work completed on the claims is summarized in Table 4 below. The total work expenditures for the work program(s) contained within this report were completed during the period of June 20th, 2020, through to December 17th 2020; with an exploration expenditure of \$15,837.

Additional information regarding expenditures and their associated invoices can be found in Appendix C and the detailed tables and invoices contained within.

Table 4: Summary of Expenditures

Work Type	Work Subtype	Subtotal	Total
Prospecting			\$ 9,512
	Grass Roots Prospecting	9,512	
Remote Sensing Imagery			\$ 474
	Imagery	474	
Associated Work types			\$ 5,851
	Assays	4,877	
	Personal Transportation	107	
	Supplies	52	
	Report/Map	816	
Totals		Total Expenditures	\$ 15,837

8.0 RECOMMENDATIONS

Prospecting and Property Mapping conducted by Transition Metals Corp. on the Mongowin property has indicated potential for significant mineralization proximal to strong alteration and structural zones of interest. The property hosts zones of intense albitic alteration, iron-carbonate alteration and to a lesser extent, areas of moderate silicification.

Within the property, the gold bearing vein systems are associated with fault/shear zones and argillite/quartzite contacts. The prospective argillite/quartzite contacts and structures are suggested to be exposed (stripping/trenching) and mapped in greater detail. Ground based geophysical surveys may help identify areas of alteration, and can be further tested by diamond drilling, particularly if focused on fold/fault intersections between the argillite/quartzite contacts.


9.0 STATEMENT OF AUTHORS

9.1 STATEMENT OF AUTHOR: WILLIAMS, B.

I, Benjamin Williams do hereby certify that:

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

Signed this Monday, 04 January 2021, in the City of Sudbury, Ontario

A handwritten signature in black ink, appearing to read 'Ben Williams', with a long horizontal stroke extending to the right.

Benjamin Williams, GIT.

10.0 REFERENCES

Lapierre, K. 1985. Geological and Historical Report on the McMillan Mine Claim Group, Mongowin Township, Sudbury Mining district, ON, Ken Lapierre, HBSoc., Ken Lapierre Exploration Services.

Card, K.D., 1976: Geology of the Espanola-Whitefish falls Area, District of Sudbury, Ontario; Ontario geological survey, Report 131, 70p. Accompanied by Maps 2311, 2312, scale 1:31680 or 1 inch to ½ mile, and 2 charts

Shilson, J., 2013: Mongowin Township Property: Report on Exploration Work., Transition Metals Corp.

Appendix A: Sample Descriptions, Locations, and & Maps

Contents

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Below contains a collection of property maps for the 2020 property visit for samples collected on the Mongowin Property. Discussion and summary about the program can be found within section 5 of the main report. Analytical Certificates can be found within Appendix C.

*Northing & Easting units are in UTM NAD 83 Zone 17 coordinates (in metres).

SampleID	Area	UTM_Info	Easting	Northing	Sample Type	Lithology	Notes_Lith	Notes_Altn	Notes_Vein	Notes_Min	Structural
X928129	Mongowin	NAD 83, Zone 17	440075	5109976	Grab	Vein	wall rock with qtz-carb veins and vein stockwork.	abundant chlorite alteration about vein margins, weak hematite alteration	stockwork of 9cm qtz-carb crack-seal veins	trace fine grained pyrite about vein margins	Vein [300/62]
X928130	Mongowin	NAD 83, Zone 17	440075	5109976	Grab	Vein	Smokey grey qtz-carb +/-chl vein material with trace-2% blebby pyrite with trace chalcopyrite. Good crack seal fracture with weak hematite alteration.	weak hematite alteration	crack-seal texture, approx. 78 cm wide	trace-2% fine grained blebby pyrite, trace chalcopyrite. Sulphides appear along fractures/foliation of main vein trend	Vein [145/58]
X928131	Mongowin	NAD 83, Zone 17	440075	5109976	Grab	Vein	Bull white terminating qtz-carb vein material, light pink hematite stained along fractures.	moderate to strong chlorite alteration, weak sericite alteration	terminating qtz habits, same vein as last, approx. 78cm wide	trace blebby sulfides (py)	Vein [118/82]
X928132	Mongowin	NAD 83, Zone 17	440075	5109976	Grab	Vein	stockwork vein material and wall rock contact material with inclusions of host lithology (meta-sed)	strong chlorite alteration, weak sericite alteration	stockwork is approx. 8cm wide	fine grained trace disseminated pyrite along margins	Vein [112/78]
X928133	Mongowin	NAD 83, Zone 17	440075	5109976	Grab	Vein	stockwork contact of veins within metasediment wall rock, abundant thin veinlets <1cm wide criss-crossing	moderate to strong chlorite alteration, weak sericite alteration	vein material is Smokey grey with trace hematite along fractures	trace very fine grained disseminated pyrite about vein margins	Vein [110/80]
X928134	Mongowin	NAD 83, Zone 17	440076	5109977	Grab	Vein	sheared contact of vein with silty meta-sediments, strongly silicified, sheared and brecciated contact of vein material	strongly silicified, moderate carbonate alteration about fragments, moderate hematite alteration about fractures	Smokey grey qtz vein material with brecciated wall rock fragments about sheared contact; vein is approx. 35cm wide	trace very fine grained pyrite	Vein [098/80]
X928135	Mongowin	NAD 83, Zone 17	440076	5109977	Grab	Vein	Smokey grey to pinkish grey, well foliated qtz-carb +/- chl vein material	moderate hematite alteration	crack seal textured vein, vein is approx. 45cm wide	trace fine grained disseminated pyrite about chlorite fragments.	Foliation [286/60]
X928136	Mongowin	NAD 83, Zone 17	440076	5109977	Grab	Vein	light grey to Smokey grey qtz-carb vein material	moderate hematite alteration about fractures	crack-seal textured qtz-carb vein, approx. 40cm wide	trace very fine grained disseminated pyrite about vein margins	
X928137	Mongowin	NAD 83, Zone 17	440076	5109977	Grab	Vein	medium dark Smokey grey, qtz-carb vein material with strong chlorite altered fragments	moderate to strong chlorite alteration, weak sericite alteration; hematite alteration about fractures	Smokey grey crack-seal vein, vein is approx. 40cm wide (same as last sample); contains pods of sulfides up to 3cm blebs	trace to 1% sulfides in blebs; blebs up to 3cm, oblong. Disseminated pyrite, fine grained.	Vein [094/90]
X928138	Mongowin	NAD 83, Zone 17	440076	5109977	Grab	Siltstone	sheared sediments contact with vein material. Thin mm sized qtz-carb veinlets,	strong chlorite alteration, with ~5cm of albite alteration zone off main vein (last sample). Strong hematite alteration about fractures	mm sized qtz-carb veinlets	trace very fine grained pyrite about vein margin	
X928139	Mongowin	NAD 83, Zone 17	439937	5110059	Grab	Vein	a 4cm quartz vein, with blowouts up to 15cm wide, bull white to light grey qtz-carb +/- hematite alteration about margins. Trace very fine grained pyrite about chlorite altered wall rock inclusions. Strong crack-seal texture; displaying sinistral deformation	Moderate carbonate alteration, moderate chlorite alteration	pinch and swell vein, with crack seal texture. Extensional blowouts occur at fold nose	trace very fine pyrite about vein margins and wall rock inclusions	Vein [260/85], axial trace [170/68]

SampleID	Area	UTM_Info	Easting	Northing	Sample Type	Lithology	Notes_Lith	Notes_Altn	Notes_Vein	Notes_Min	Structural
X928140	Mongowin	NAD 83, Zone 17	439910	5110012	Grab	Vein	5-7cm qtz-carb stringer veins in strongly chlorite altered wall rock fragments.	strong hematite alteration, moderate chlorite alteration along margins	5-7cm stockwork of qtz-carb veins	very fine grained trace to 3mm pyrite minerals along vein margins	[304/70] with slicken lines [70/357]
X928141	Mongowin	NAD 83, Zone 17	439898	5110011	Grab	Vein	bull white to hematite stained qtz-carb +/-chl vein with wall rock fragments.	Strong hematite alteration	vein up to 30cm wide		
X928142	Mongowin	NAD 83, Zone 17	440120	5109963	Grab	Vein	Arsenopyrite pit location by the lake. Pit is 2m x 2m, and approx. 2m deep; filled with water and garbage. Vein material is Smokey grey to rusty lustre, clearly void filling habit, with terminating quartz crystals. Contains 1-3% rotten pyrite with trace		vein measures ~ 1.5 m wide, crack-seal textured vein with terminating quartz crystals in void spaces	1-3% fine grained rotten sulfides (pyrite) with trace fine grained arsenopyrite	Vein [350/60]
X928143	Mongowin	NAD 83, Zone 17	440071	5109975	Grab	Vein	Arsenopyrite pit location by the lake. Pit is 2m x 2m, and approx. 2m deep; filled with water and garbage. Vein material is Smokey grey to rusty lustre, clearly void filling habit, with terminating quartz crystals. Contains 1-3% rotten pyrite with trace		crack-seal textured vein with terminating quartz crystals in void spaces	1-3% fine grained rotten sulfides (pyrite) with trace fine grained arsenopyrite	Vein [350/60]
X928144	Mongowin	NAD 83, Zone 17	440079	5110009	Grab	Vein	bull white to pink-ish qtz-carb vein with minor chlorite about wall rock fragments. Vein hosted within light-grey to pink meta-sediments	Moderate carbonate alteration, moderate chlorite alteration	40-50cm wide qtz vein. Creak-seal textured	trace fine grained pyrite about vein margins	Vein [276/65]
X928145	Mongowin	NAD 83, Zone 17	440564	5110030	Float	Vein	float material taken from rubble pile. Light Smokey grey qtz-carbonate +/- hematite stained massive vein material.	moderate hematite staining	massive textured	trace - 3% disseminated fine grained pyrite	
X928146	Mongowin	NAD 83, Zone 17	440578	5110030	Float	Vein	waste pile float, Smokey dark grey qtz-vein material; good crack seal texture		crack-seal textured	trace very fine grained pyrite along vein margins	
X928147	Mongowin	NAD 83, Zone 17	440584	5110023	Float	Vein	waste pile float. Dark Smokey grey, crack seal textured vein material.	trace chlorite alteration along vein margins	crack seal textured	trace to 2% fine grained pyrite, trace chalcopyrite	
X928148	Mongowin	NAD 83, Zone 17	440550	5110025	Grab	Vein	Vein is 1.5-2m wide in outcrop, bull white qtz on the outside, with darker grey-Smokey grey qtz-carbonate vein material in the middle.		crack seal textured	Trace fine grained disseminated pyrite, trace arsenopyrite, within banded vein margins	
X928149	Mongowin	NAD 83, Zone 17	440550	5110025	Grab	Vein	Same as last; Vein is 1.5-2m wide in outcrop, bull white qtz on the outside, with darker grey-Smokey grey qtz-carbonate vein material in the middle.		crack seal textured	Trace fine grained disseminated pyrite, trace arsenopyrite, within banded vein margins	

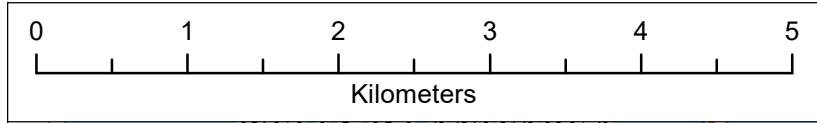
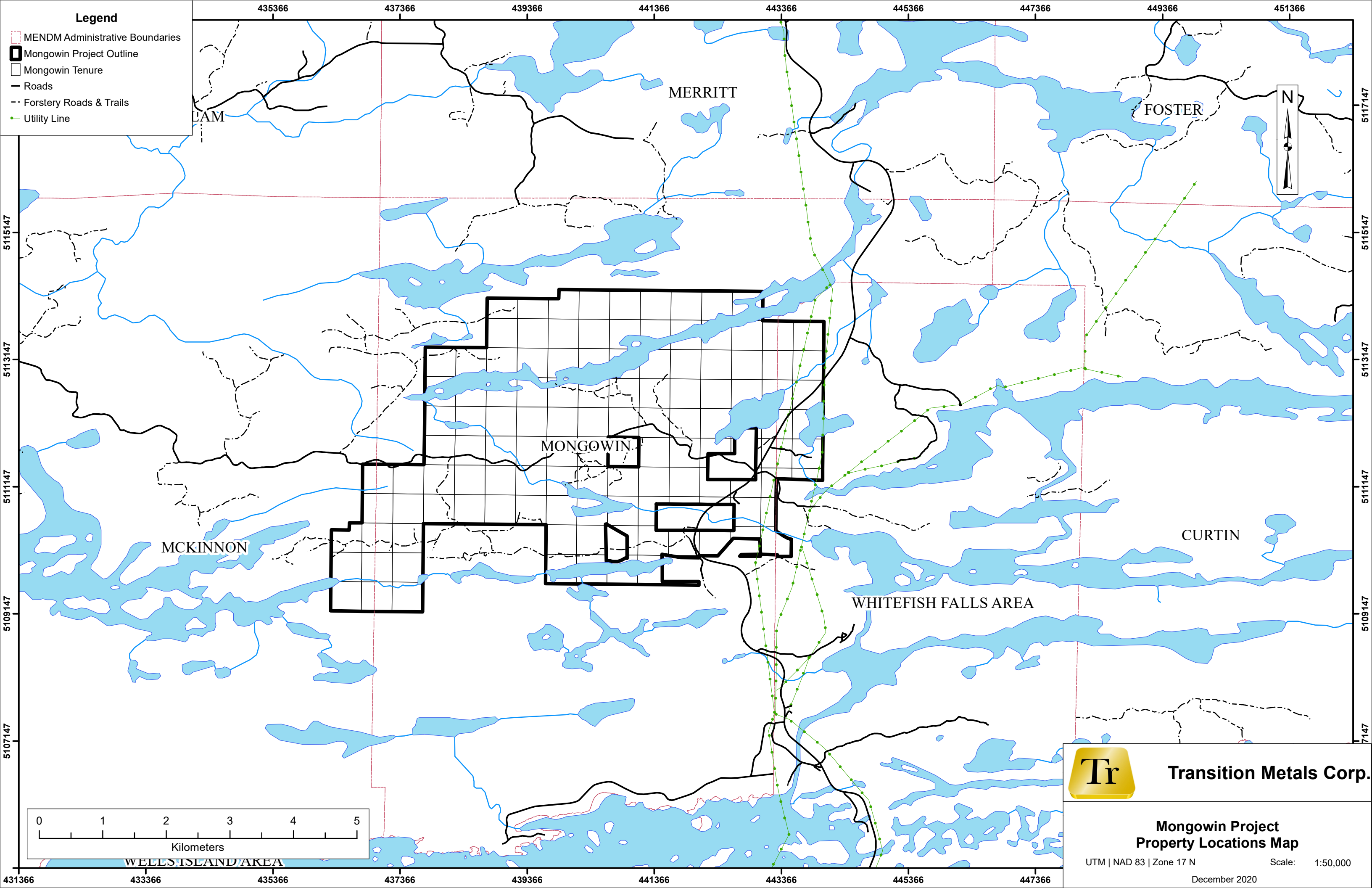
SampleID	Area	UTM_Info	Easting	Northing	Sample Type	Lithology	Notes_Lith	Notes_Altn	Notes_Vein	Notes_Min	Structural
X928150	Mongowin	NAD 83, Zone 17	440549	5110016	Grab	Vein	Same as last; Vein is 1.5-2m wide in outcrop, bull white qtz on the outside, with darker grey-Smokey grey qtz-carbonate vein material in the middle.		crack seal textured	Trace fine grained disseminated pyrite, trace arsenopyrite, within banded vein margins	
X928151	Mongowin	NAD 83, Zone 17	440522	5110009	Grab	Vein	Vein material from pit, Pit is exposed for ~5m long, is ~3m wide, and ~4m deep in parts. Vein material itself is 2.5-3m wide, crack seal textured, Smokey grey. Footwall to vein is strongly sheared fine grained slit-to sand meta-sediments, with trace to 1	Strong chlorite alteration, moderate hematite alteration	2-3m crack seal textured vein	trace fine grained pyrite about vein margins	
X928152	Mongowin	NAD 83, Zone 17	440524	5110011	Grab	Vein	margin part of qtz-carb vein material, Smokey grey, next to footwall contact. Trace - 2% fine graine disseminated pyrite with trace fine grained chalcopryrite	Moderate carbonate alteration, moderate chlorite alteration	2m crack seal texture,	Trace - 2% fine graine disseminated pyrite with trace fine grained chalcopryrite	vein [055/77]
X928153	Mongowin	NAD 83, Zone 17	440524	5110011	Grab	Vein	middle part of vein, dark grey qtz-carbonate material, vein fractures in crack seal textured have fine grained to medium grained blebs of pyrite and chalcopryrite (+/- VG) about vein margins. Vein is ~2m wide at surface.	Moderate carbonate alteration, moderate chlorite alteration	2m crack seal texture,	Fine grained to medium grained blebs of pyrite and chalcopryrite (+/- VG) about vein margins	vein [055/77]
X928154	Mongowin	NAD 83, Zone 17	440524	5110011	Grab	Vein	Duplicate: middle part of vein, dark grey qtz-carbonate material, vein fractures in crack seal textured have fine grained to medium grained blebs of pyrite and chalcopryrite (+/- VG) about vein margins. Vein is ~2m wide at surface.	Moderate carbonate alteration, moderate chlorite alteration	2m crack seal texture,	Fine grained to medium grained blebs of pyrite and chalcopryrite (+/- VG) about vein margins	
X928155	Standard Reference Material: Silica	Standard Reference Material: Silica			Standard Reference Material: Silica	BLANK	BLANK	Standard Reference Material: Silica	Standard Reference Material: Silica	Standard Reference Material: Silica	Standard Reference Material: Silica
X928156	Standard Reference Material: Gold	Standard Reference Material: Gold			Standard Reference Material: Gold	OREAS 62e	OREAS 62e	Standard Reference Material: Gold	Standard Reference Material: Gold	Standard Reference Material: Gold	Standard Reference Material: Gold
X928157	Mongowin	NAD 83, Zone 17	443851	5113127	Float	Vein	rail blased rubble; subcrob (float), with qtz-carb vein material.	strong hematite staining; wall rock is moderatley carb altered., with strong silisification about vein margins.	stringer veins upto 3cm wide	trace pyrite along vein margins, to mm sized blebs in veinlets.	

SampleID	Area	UTM_Info	Easting	Northing	Sample Type	Lithology	Notes_Lith	Notes_Altn	Notes_Vein	Notes_Min	Structural
X928158	Mongowin	NAD 83, Zone 17	443885	5113137	Grab	vein	sheard vein contact, vein is bull white to smokey grey, strong pink hematite staining	strong hematite staining along vein margins	bull white to smokey grey, upto 15cm wide; trace disseminated fine sulfides	trace fine grained disseminated pyrite +/- chalcopyrite about vein margins	Vein [084/82]
X928159	Mongowin	NAD 83, Zone 17	443832	5113136	Grab	vein	outcrop with vein material between 15-20cm wide on surface; light milky-white with pinkish hematite staining about fractures in vein material. Weak chlorite alteration about inclusions in vein.	weak chlorite alteration, moderate hematite alteration	15-20cm wide, milky-white vein material with medium grained rotten/rusty pods of sulphides	trace pyrite, rottened out	Vein [234/77]
X928160	Mongowin	NAD 83, Zone 17	443823	5113136	Grab	Siltstone	Outcrop, strongly foliated and sheated siltstone. Tab to light brown.	moderate chlorite alteration, moderate hematite alteraion.	trace mm thin qtz-carb veinlets parrallel to foliation	trace disseminated pyrite about foliation planes.	Foliation [223/60]
X928161	Mongowin	NAD 83, Zone 17	443441	5112884	Grab	Vein	20-40cm vein material at sheared contact with sediments. Vein is bull white to light grey	moderate carbonate alteration, moderate hematite staining about fractures.	Smokey grey qtz materail in intermost part of vein, displays good crack-seal texture.Lineation in vein [74/216]	trace fine grained pyrite along margins of smokey grey pyrite zone	Vein[294/89]
X928162	Mongowin	NAD 83, Zone 17	442921	5112690	Grab	Vein	crack-seal vein approx 20cm wide. Light grey lusture	weak hematite staining about fractures, weak chlorite alteration about margins	smokey grey crack-seal texture	no visible sulfides	
X928163	Mongowin	NAD 83, Zone 17	442596	5111054	Grab	Vein	10-15cm qtz-carb vein material along shear which has abudnant chlorite slip planes over an 2m wide zone	strong hematite staining	smokey grey.	trace fine grained disseminated pyrite	Vein [126/87]
X928164	Mongowin	NAD 83, Zone 17	442604	5111052	Grab	Breccia	qtz-carb +/- chlorite brecciated (angular) clasts upto 10cm wide, of host silt-sandstone; abundant rusty fractures	strong carbonate alteration, moserate chorite alteration. Moderate hematite alteration.		trave fine grained disseminated pyrite, pattallel pods of sulfides upto 3mm; appears as discontineous sulfide stringers	
X928165	Mongowin	NAD 83, Zone 17	442616	5111061	Grab	Shear	Rusty shear in fault zone, consists of qtz-carb-chlorite breccia fragments; angular upto 5cm	strong carbonate alteration, abundant hematite staining		trace disemianted pyrite	
X928166	Mongowin	NAD 83, Zone 17	442612	5111064	Grab	Breccia	gossanuo sqtz-carbonate breccia, strong silica flodding, very rusy.	strong carbonate alteration, abundant hematite staining		trace - 2% fine grained disseminated pyrite about fault plane	
X928167	Mongowin	NAD 83, Zone 17	442642	5111087	Grab	Vein	Quartz-carbonate vein in breccia zone	strong silisification, strong hematite alteration. Strong chloirte alteration	smokey grey crack seal textured vein	trave pyrite about vein margins	
X928168	Mongowin	NAD 83, Zone 17	442650	5111094	Grab	Vein	Quartz-carbonate vein in breccia zone; appears as late calcite operpringd, srong albite alteration, strong carbonate alteration.	strong silisification, strong hematite alteration. Strong chloirte alteration	smokey grey crack seal textured vein	trave pyrite about vein margins	
X928169	Mongowin	NAD 83, Zone 17	442643	5111089	Grab	Breccia	Breccia host rock, to Quartz-carbonate vein mateierl from alst sample.calcite apprease as late overprinting, srong albite alteration, strong carbonate alteration.	strong silisification, strong hematite alteration. Strong chloirte alteration	smokey grey crack seal textured vein	trave pyrite about vein margins	

SampleID	Area	UTM_Info	Easting	Northing	Sample Type	Lithology	Notes_Lith	Notes_Altn	Notes_Vein	Notes_Min	Structural
X928170	Mongowin	NAD 83, Zone 17	442657	5111094	Grab	Vein	Thin 2-5cm qtz0carb vein parallel to shearing proximal to breccia, s	strong hematite alteration, strong carbonate alteration	Smokey grey, crack-seal textured	5-15% fine grained pyrite +/- chalcopyrite +/- malachite	
X928171	Mongowin	NAD 83, Zone 17	442657	5111094	Grab	Vein	Thin 2-5cm qtz0carb vein parallel to shearing proximal to breccia, s	strong hematite alteration, strong carbonate alteration	Smokey grey, crack-seal textured	5-15% fine grained pyrite +/- chalcopyrite +/- malachite	
X928172	Standard Reference Material: Silica	Standard Reference Material: Silica			Standard Reference Material: Silica	BLANK	BLANK	Standard Reference Material: Silica	Standard Reference Material: Silica	Standard Reference Material: Silica	Standard Reference Material: Silica
X928173	Standard Reference Material: Gold	Standard Reference Material: Gold			Standard Reference Material: Gold	OREAS 62e	OREAS 62e	Standard Reference Material: Gold	Standard Reference Material: Gold	Standard Reference Material: Gold	Standard Reference Material: Gold
X928174	Mongowin	NAD 83, Zone 17	442612	5111064	Grab	Breccia	gossanous sqtz-carbonate breccia, strong silica folding, very rosy.	strong carbonate alteration, abundant hematite staining		trace - 2% fine grained disseminated pyrite about fault plane	
X928175	Mongowin	NAD 83, Zone 17	442642	5111087	Grab	Vein	Quartz-carbonate vein in breccia zone	strong silicification, strong hematite alteration. Strong chlorite alteration	Smokey grey crack seal textured vein	trave pyrite about vein margins	
X928176	Mongowin	NAD 83, Zone 17	442650	5111094	Grab	Vein	Quartz-carbonate vein in breccia zone; appears as late calcite overprinting, strong albite alteration, strong carbonate alteration.	strong silicification, strong hematite alteration. Strong chlorite alteration	Smokey grey crack seal textured vein	trave pyrite about vein margins	
X928177	Mongowin	NAD 83, Zone 17	442643	5111089	Grab	Breccia	Breccia host rock, to Quartz-carbonate vein materiel from last sample. Calcite looks as late overprinting, strong albite alteration, strong carbonate alteration.	strong silicification, strong hematite alteration. Strong chlorite alteration	Smokey grey crack seal textured vein	trave pyrite about vein margins	
X928178	Mongowin	NAD 83, Zone 17	442657	5111094	Grab	Vein	Thin 2-5cm qtz0carb vein parallel to shearing proximal to breccia, s	strong hematite alteration, strong carbonate alteration	Smokey grey, crack-seal textured	5-15% fine grained pyrite +/- chalcopyrite +/- malachite	
X928179	Mongowin	NAD 83, Zone 17	442657	5111094	Grab	Vein	Thin 2-5cm qtz0carb vein parallel to shearing proximal to breccia, s	strong hematite alteration, strong carbonate alteration	Smokey grey, crack-seal textured	5-15% fine grained pyrite +/- chalcopyrite +/- malachite	
X928180	Mongowin	NAD 83, Zone 17	442657	5111094	Grab	Vein	Thin 2-5cm qtz0carb vein parallel to shearing proximal to breccia, s	strong hematite alteration, strong carbonate alteration	Smokey grey, crack-seal textured	5-15% fine grained pyrite +/- chalcopyrite +/- malachite	

Legend

- MENDM Administrative Boundaries
- Mongowin Project Outline
- Mongowin Tenure
- Roads
- Forstery Roads & Trails
- Utility Line



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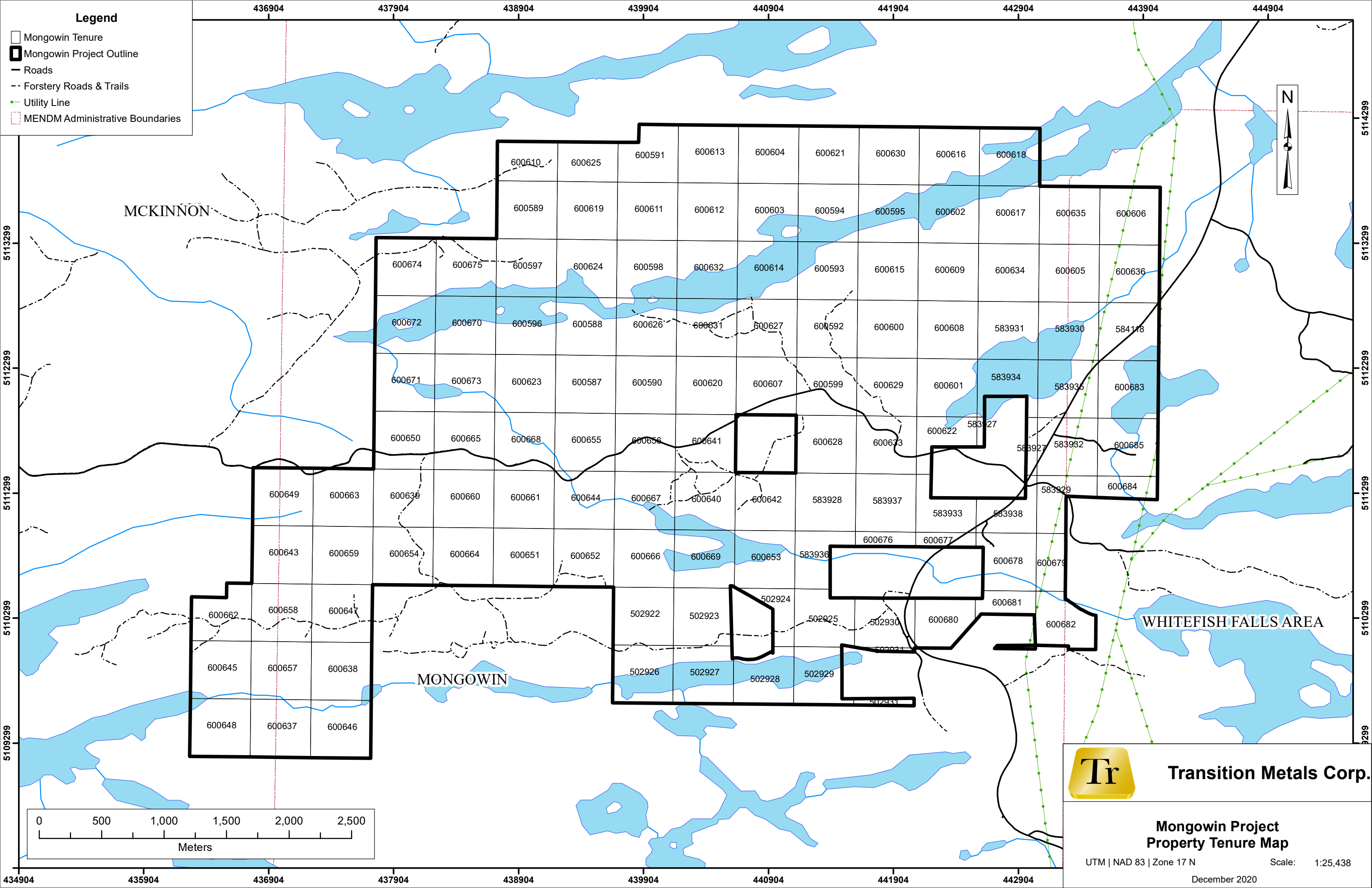
**Mongowin Project
Property Locations Map**

UTM | NAD 83 | Zone 17 N Scale: 1:50,000

December 2020

Legend

- Mongowin Tenure
- Mongowin Project Outline
- Roads
- Forstery Roads & Trails
- Utility Line
- MENDM Administrative Boundaries



MCKINNON

MONGOWIN

WHITEFISH FALLS AREA



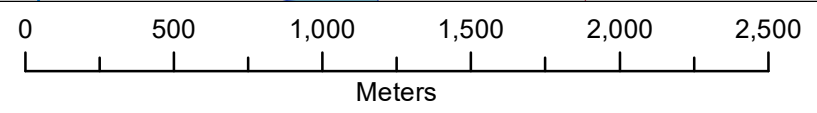
Transition Metals Corp.

**Mongowin Project
Property Tenure Map**

UTM | NAD 83 | Zone 17 N

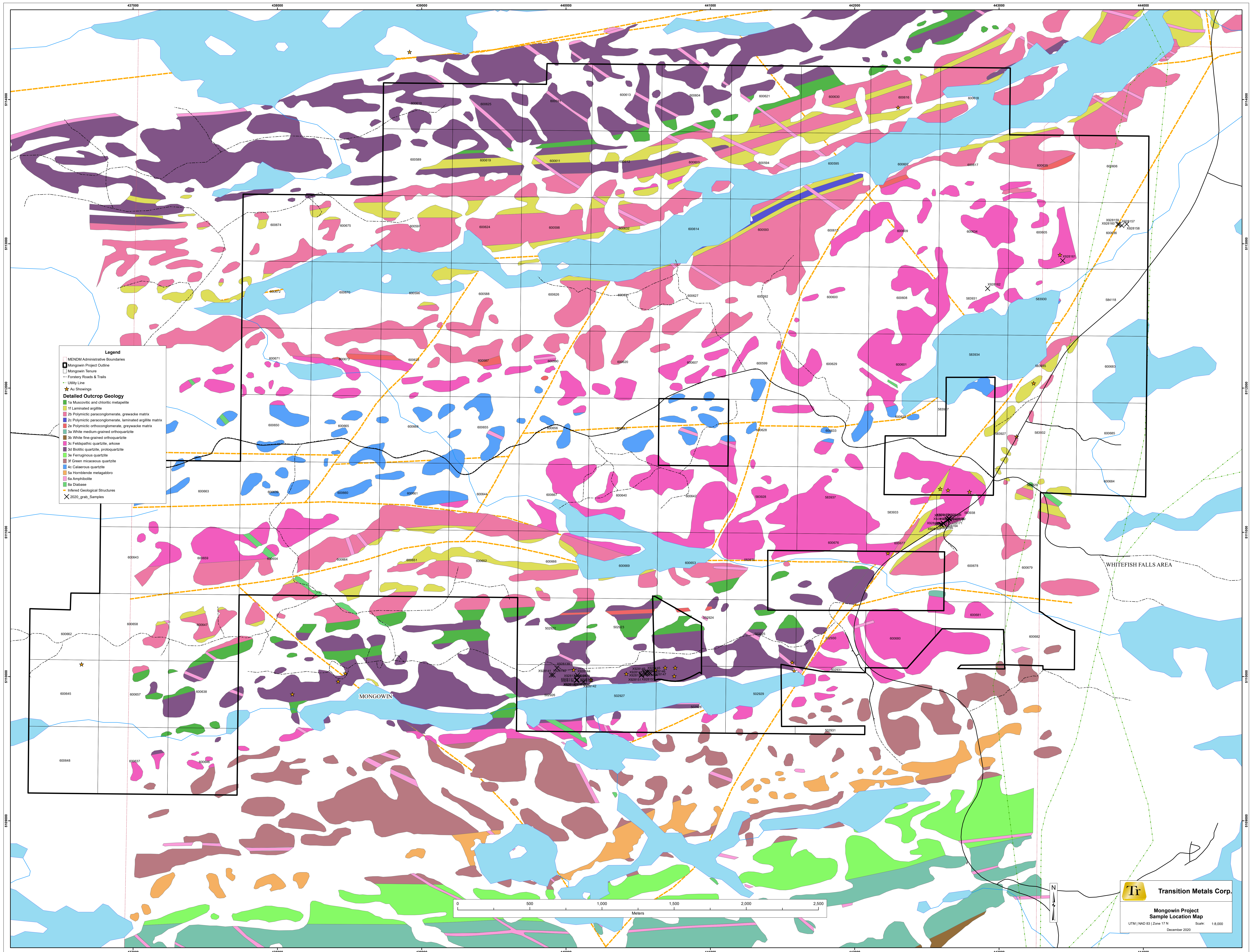
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December 2020



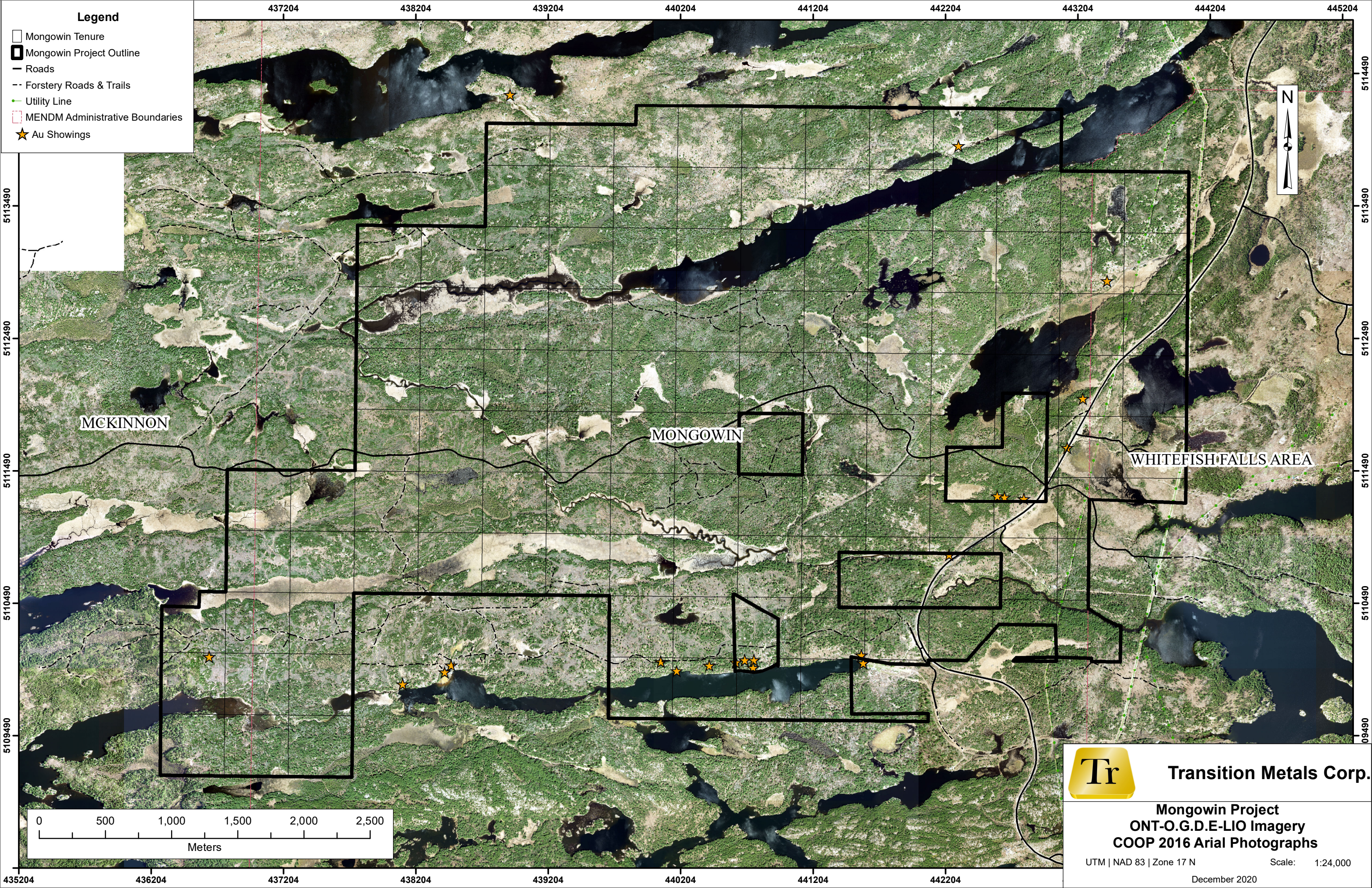
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Legend

- Mongowin Tenure
- Mongowin Project Outline
- Roads
- Forstery Roads & Trails
- Utility Line
- MENDM Administrative Boundaries
- Au Showings



Transition Metals Corp.








**Mongowin Project
ONT-O.G.D.E-LIO Imagery
COOP 2016 Aerial Photographs**

UTM | NAD 83 | Zone 17 N

















Scale: 1:24,000

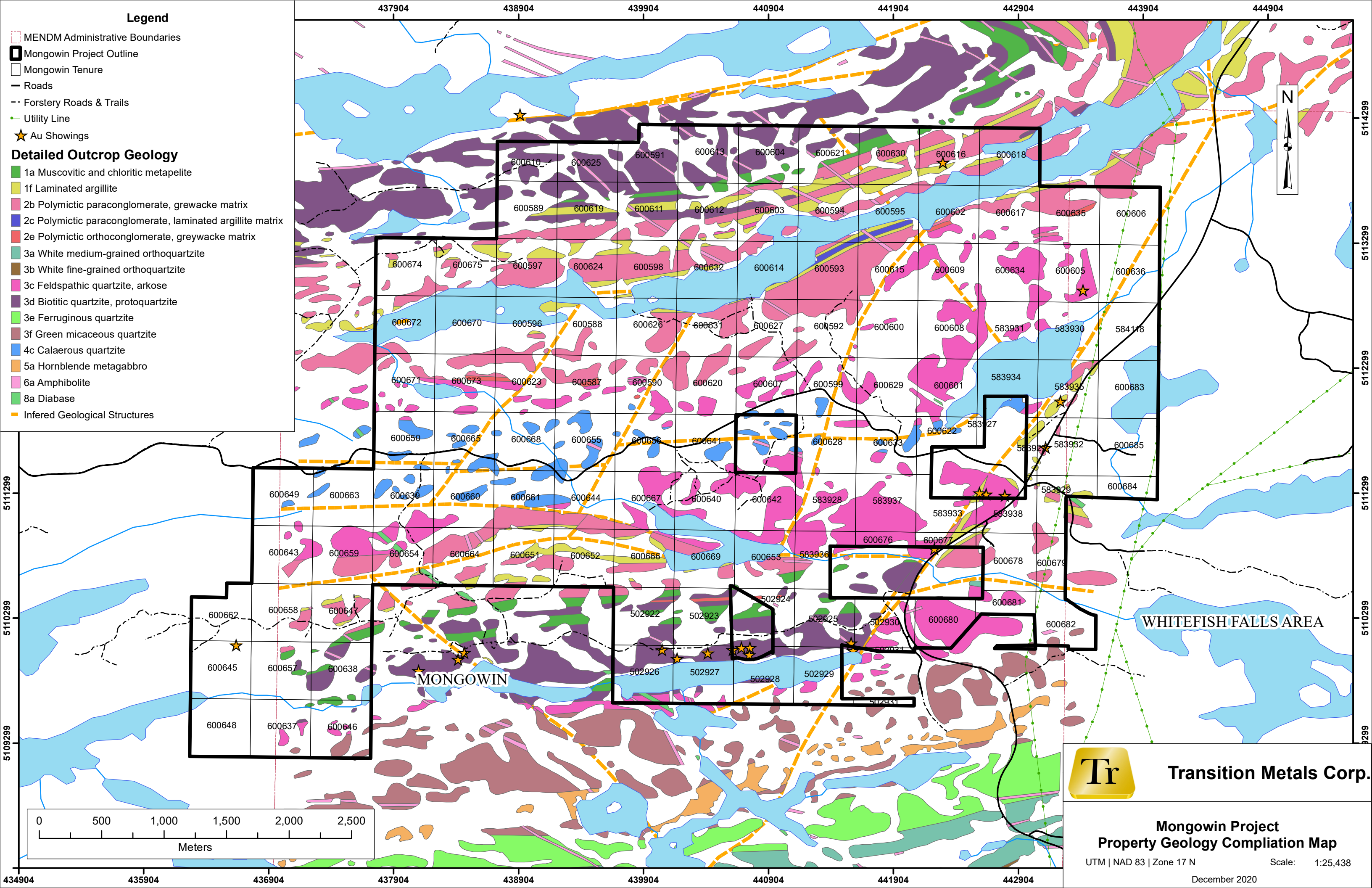
December 2020

Legend

-  MENDM Administrative Boundaries
-  Mongowin Project Outline
-  Mongowin Tenure
-  Roads
-  Forstery Roads & Trails
-  Utility Line
-  Au Showings

Detailed Outcrop Geology

-  1a Muscovitic and chloritic metapelite
-  1f Laminated argillite
-  2b Polymictic paraconglomerate, grewacke matrix
-  2c Polymictic paraconglomerate, laminated argillite matrix
-  2e Polymictic orthoconglomerate, greywacke matrix
-  3a White medium-grained orthoquartzite
-  3b White fine-grained orthoquartzite
-  3c Feldspathic quartzite, arkose
-  3d Biotitic quartzite, protoquartzite
-  3e Ferruginous quartzite
-  3f Green micaceous quartzite
-  4c Calaeorous quartzite
-  5a Hornblende metagabbro
-  6a Amphibolite
-  8a Diabase
-  Inferred Geological Structures



Transition Metals Corp.

**Mongowin Project
Property Geology Compilation Map**

UTM | NAD 83 | Zone 17 N Scale: 1:25,438

December 2020

Appendix B: Analytical Certificates

Contents

1. Analytical Certificate	2
2. QC Certificate	13



ALS Canada Ltd.
 2103 Dollarton Hwy
 North Vancouver BC V7H 0A7
 Phone: +1 604 984 0221 Fax: +1 604 984 0218
 www.alsglobal.com/geochemistry

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

Page: 1
 Total # Pages: 3 (A - E)
 Plus Appendix Pages
 Finalized Date: 28-DEC-2020
 Account: TRAMET

CERTIFICATE SD20257498

Project: MONGOWIN

This report is for 52 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 6-NOV-2020.

The following have access to data associated with this certificate:

JAKE BURDEN GRANT MOURRE	GREG COLLINS BEN WILLIAMS	THOMAS HART
-----------------------------	------------------------------	-------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	

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

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

Signature: 
 Saa Traxler, General Manager, North Vancouver



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

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 Finalized Date: 28-DEC-2020
 Account: TRAMET

Project: MONGOWIN

CERTIFICATE OF ANALYSIS SD20257498

Sample Description	Method	WEI-21	Au-ICP21	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-MS81
	Analyte	Recvd Wt.	Au	Ag	As	Cd	Co	Cu	Li	Mo	Ni	Pb	Sc	Tl	Zn	Ba	
Units		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
LOD		0.02	0.001	0.5	5	0.5	1	1	10	1	1	2	1	10	2	0.5	
X928129		3.63	0.009	<0.5	5	<0.5	2	29	10	4	4	9	3	<10	13	432	
X928130		2.23	0.012	<0.5	<5	<0.5	1	27	<10	6	10	2	<1	<10	3	16.5	
X928131		2.39	0.004	<0.5	9	<0.5	1	18	<10	4	8	3	1	<10	4	47.5	
X928132		1.73	<0.001	<0.5	21	<0.5	2	12	10	3	5	5	7	<10	7	423	
X928133		1.92	0.001	<0.5	105	<0.5	1	26	<10	2	9	3	3	<10	6	175.0	
X928134		3.37	0.005	<0.5	17	<0.5	1	24	<10	4	4	5	2	<10	8	279	
X928135		3.46	0.003	<0.5	<5	<0.5	1	27	<10	5	3	4	1	<10	9	124.5	
X928136		3.54	<0.001	<0.5	16	<0.5	1	6	<10	5	2	<2	<1	<10	<2	24.4	
X928137		4.52	0.062	<0.5	2310	<0.5	45	11	<10	6	9	3	1	<10	3	109.5	
X928138		2.74	<0.001	<0.5	26	<0.5	2	24	10	2	5	3	4	<10	8	217	
X928139		1.77	0.001	<0.5	<5	<0.5	2	2	<10	4	7	3	1	<10	7	46.1	
X928140		2.20	0.012	<0.5	11	<0.5	2	4	<10	5	6	4	2	10	3	70.4	
X928141		1.16	0.001	<0.5	<5	<0.5	2	1	<10	4	8	<2	3	<10	4	190.5	
X928142		2.16	0.697	<0.5	3620	<0.5	65	123	10	5	44	4	2	<10	<2	90.2	
X928143		1.79	0.040	<0.5	426	<0.5	8	54	<10	7	22	<2	<1	<10	<2	5.6	
X928144		1.96	0.006	<0.5	19	<0.5	1	5	<10	5	1	<2	<1	<10	<2	22.0	
X928145		2.36	0.027	<0.5	12	<0.5	3	72	<10	5	4	3	<1	<10	3	18.0	
X928146		1.47	0.191	<0.5	100	<0.5	1	36	<10	6	2	4	<1	<10	2	14.5	
X928147		2.05	1.250	<0.5	1400	<0.5	33	523	<10	6	80	10	<1	<10	7	19.2	
X928148		2.24	0.693	<0.5	1320	<0.5	4	94	<10	5	2	2	<1	<10	11	0.6	
X928149		2.09	1.235	<0.5	2020	<0.5	5	60	<10	6	5	2	<1	<10	<2	0.5	
X928150		1.98	0.076	<0.5	358	<0.5	1	98	<10	6	3	<2	<1	<10	18	<0.5	
X928151		1.44	0.097	<0.5	91	<0.5	3	52	20	2	10	3	6	<10	10	715	
X928152		2.65	5.59	<0.5	26	<0.5	2	405	<10	4	5	3	1	<10	7	75.4	
X928153		3.25	0.053	<0.5	19	<0.5	<1	71	<10	5	3	2	<1	<10	5	1.1	
X928154		2.61	0.063	<0.5	11	<0.5	7	107	10	5	35	2	8	<10	9	692	
X928155		0.17	0.018	<0.5	603	<0.5	5	9	<10	3	5	6	2	<10	11	52.1	
X928156		0.07	8.93	9.8	12	<0.5	12	67	50	5	10	15	12	<10	71	344	
X928157		2.92	0.001	<0.5	<5	<0.5	<1	1	10	3	2	3	<1	<10	2	12.9	
X928158		2.74	0.001	<0.5	6	0.5	3	24	<10	3	15	4	6	<10	8	130.0	
X928159		2.49	<0.001	<0.5	25	<0.5	1	4	<10	4	4	<2	<1	<10	2	19.3	
X928160		1.69	0.001	<0.5	32	<0.5	6	7	10	<1	42	<2	8	<10	19	552	
X928161		1.74	<0.001	<0.5	12	<0.5	1	3	<10	4	2	3	<1	<10	<2	12.3	
X928162		1.26	<0.001	<0.5	<5	<0.5	1	2	<10	4	2	2	<1	<10	<2	10.4	
X928163		2.53	<0.001	<0.5	12	<0.5	3	4	<10	5	3	2	3	<10	<2	16.9	
X928164		2.72	0.005	<0.5	46	0.8	14	38	<10	1	85	6	59	<10	84	74.9	
X928165		1.91	0.534	<0.5	214	<0.5	76	591	10	1	784	15	28	<10	3	106.5	
X928166		3.15	1.645	<0.5	513	0.5	163	1020	10	1	1060	17	50	<10	4	56.5	
X928167		1.90	0.009	<0.5	13	<0.5	2	7	<10	3	13	7	20	<10	3	32.8	
X928168		2.33	0.001	<0.5	24	<0.5	19	3	<10	<1	6	5	51	<10	5	31.6	



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CERTIFICATE OF ANALYSIS SD20257498

Sample Description	Method Analyte Units LOD	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	
		Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd	Pr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	10	0.01	0.05	0.03	0.02	0.1	0.05	0.1	0.01	0.1	0.01	0.1	0.1	0.02
X928129		7.1	60	0.88	0.31	0.15	0.10	9.3	0.37	1.2	0.07	3.8	0.04	1.2	2.8	0.83
X928130		0.5	100	0.06	<0.05	<0.03	<0.02	0.3	<0.05	<0.1	0.01	0.3	<0.01	0.1	0.2	0.06
X928131		6.1	60	0.22	0.16	0.05	0.07	2.2	0.33	0.5	0.02	2.9	0.01	1.8	2.7	0.71
X928132		52.9	90	1.13	1.80	0.80	0.84	13.6	3.02	3.8	0.31	26.4	0.12	4.5	23.5	6.25
X928133		15.7	60	0.51	1.09	0.62	0.39	12.2	1.32	3.2	0.24	7.7	0.10	3.5	7.6	1.87
X928134		22.6	60	0.64	0.69	0.28	0.37	6.5	1.36	1.1	0.12	11.5	0.05	1.2	10.3	2.59
X928135		9.5	80	0.28	0.21	0.09	0.17	3.2	0.59	0.7	0.04	5.0	0.02	0.6	4.0	1.14
X928136		5.0	60	0.09	0.10	<0.03	0.10	0.6	0.16	0.2	0.01	2.5	<0.01	0.2	2.3	0.62
X928137		12.4	100	0.32	0.52	0.22	0.25	3.0	0.91	1.5	0.11	6.3	0.04	0.8	5.5	1.48
X928138		27.8	70	0.51	1.63	0.72	0.54	11.6	2.15	4.4	0.29	13.9	0.13	3.8	12.3	3.35
X928139		16.0	70	0.19	0.43	0.18	0.28	3.5	0.92	1.0	0.07	8.4	0.03	0.7	7.0	1.95
X928140		25.9	80	0.18	0.57	0.17	0.44	2.9	1.25	0.4	0.07	13.2	0.02	0.7	11.5	3.14
X928141		40.0	80	0.46	1.72	0.84	0.66	7.8	2.57	2.8	0.33	19.9	0.10	2.3	17.7	4.54
X928142		8.3	110	0.18	0.27	0.12	0.11	2.8	0.50	0.3	0.04	4.5	0.03	0.8	3.4	0.93
X928143		0.4	80	0.02	<0.05	<0.03	<0.02	0.2	<0.05	<0.1	<0.01	0.3	<0.01	0.1	0.2	0.03
X928144		7.6	90	0.11	0.44	0.24	0.16	0.8	0.52	0.3	0.08	4.0	0.01	0.3	3.4	0.89
X928145		0.5	50	0.05	0.05	<0.03	0.02	1.2	<0.05	0.1	0.01	0.3	<0.01	0.1	0.2	0.05
X928146		11.8	100	0.05	0.22	0.05	0.17	0.5	0.53	0.5	0.04	6.3	0.01	0.3	5.2	1.41
X928147		4.4	80	0.07	0.26	0.15	0.08	0.8	0.22	0.1	0.05	2.8	0.02	0.2	1.8	0.51
X928148		0.7	90	0.02	<0.05	<0.03	<0.02	0.1	<0.05	<0.1	<0.01	0.4	<0.01	0.1	0.3	0.10
X928149		0.1	90	0.02	<0.05	<0.03	<0.02	0.1	<0.05	<0.1	<0.01	0.1	<0.01	0.1	0.1	0.02
X928150		0.1	90	0.03	<0.05	<0.03	<0.02	0.1	<0.05	<0.1	<0.01	<0.1	<0.01	0.1	<0.1	<0.02
X928151		35.0	70	1.64	1.11	0.58	0.52	16.8	1.60	3.7	0.21	16.6	0.08	3.7	14.5	4.09
X928152		9.7	60	0.18	0.45	0.25	0.15	2.2	0.56	0.7	0.09	4.7	0.01	0.8	4.0	1.16
X928153		<0.1	90	0.01	<0.05	<0.03	<0.02	0.1	<0.05	<0.1	<0.01	0.1	<0.01	<0.1	<0.1	<0.02
X928154		30.9	170	1.89	1.30	0.64	0.55	10.0	1.83	1.3	0.24	14.4	0.10	4.6	11.8	3.34
X928155		10.3	50	0.12	0.42	0.21	0.22	9.2	0.67	1.1	0.07	5.0	0.01	1.0	4.2	1.28
X928156		23.5	30	4.03	2.06	1.13	0.68	11.9	2.36	2.0	0.37	11.1	0.16	2.3	11.8	3.00
X928157		4.2	30	0.15	0.41	0.33	0.05	0.7	0.37	1.2	0.11	2.2	0.03	0.5	1.7	0.52
X928158		12.9	80	0.27	3.03	1.55	0.90	6.1	2.91	0.8	0.61	5.7	0.19	1.3	6.8	1.71
X928159		0.4	80	0.05	0.11	0.08	0.04	0.7	0.11	0.1	0.03	0.2	<0.01	0.2	0.3	0.05
X928160		26.7	140	2.60	1.86	0.92	0.66	18.6	2.33	3.9	0.39	12.2	0.15	5.3	12.1	3.32
X928161		22.2	70	0.07	18.75	11.15	3.21	1.2	14.50	0.1	3.99	6.7	1.09	0.4	24.9	4.53
X928162		0.8	100	0.06	0.06	<0.03	<0.02	0.4	0.09	<0.1	0.02	0.4	<0.01	0.1	0.4	0.08
X928163		52.7	100	0.09	1.00	0.34	0.78	3.0	2.28	0.6	0.13	26.1	0.02	0.9	21.5	6.22
X928164		33.2	90	0.18	5.78	3.15	1.28	12.1	5.32	2.5	1.16	15.6	0.39	4.7	16.2	4.12
X928165		19.3	100	0.26	4.12	2.31	0.72	12.6	3.55	3.4	0.76	9.0	0.24	5.1	9.8	2.51
X928166		19.3	60	0.16	7.89	4.28	1.23	10.5	5.94	2.0	1.58	8.3	0.51	4.2	11.2	2.69
X928167		23.5	80	0.09	1.60	0.75	0.55	9.4	2.04	1.9	0.27	11.2	0.09	3.7	10.0	2.86
X928168		17.8	110	0.14	9.78	4.99	1.67	4.1	7.29	0.8	1.91	8.0	0.60	1.6	9.9	2.32



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		Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr	SiO2
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2	0.01
X928129		64.9	0.59	1	3.1	0.2	0.06	1.48	0.02	0.47	16	3	1.7	0.21	43	86.2
X928130		2.2	<0.03	2	1.6	0.1	<0.01	0.06	<0.01	<0.05	<5	1	0.1	<0.03	2	99.0
X928131		6.1	0.43	2	9.1	0.1	0.03	0.65	<0.01	0.20	7	1	0.6	0.05	20	96.2
X928132		55.4	4.39	1	44.5	0.6	0.37	5.19	0.11	1.32	43	4	7.6	0.76	157	78.6
X928133		20.4	1.68	2	67.3	0.5	0.19	4.26	0.10	1.40	27	2	6.1	0.74	121	76.4
X928134		41.7	1.93	1	3.0	0.2	0.16	1.93	0.04	0.71	11	2	3.2	0.30	38	90.4
X928135		17.7	0.78	1	2.1	0.2	0.05	0.87	0.01	0.38	8	1	1.1	0.12	23	96.3
X928136		2.5	0.38	<1	1.7	0.2	0.02	0.21	<0.01	0.08	5	1	0.3	<0.03	7	99.2
X928137		13.5	1.18	<1	6.9	0.2	0.11	1.47	0.04	0.71	10	1	2.5	0.31	58	95.9
X928138		26.7	2.52	1	54.4	0.5	0.28	5.85	0.13	1.91	37	3	7.9	0.72	175	79.1
X928139		7.6	1.43	<1	2.4	0.2	0.10	0.90	0.02	0.36	14	1	1.8	0.19	39	92.5
X928140		11.4	2.22	<1	2.1	0.2	0.13	1.22	0.03	0.34	8	1	1.8	0.17	19	94.1
X928141		33.8	3.39	1	14.1	0.3	0.33	3.40	0.12	0.72	20	3	8.2	0.73	102	86.8
X928142		11.7	0.60	<1	2.2	0.2	0.06	1.73	0.01	0.83	16	1	1.2	0.13	11	93.0
X928143		0.6	0.04	<1	1.3	0.1	<0.01	<0.05	<0.01	<0.05	<5	1	0.1	<0.03	<2	96.9
X928144		4.1	0.72	<1	1.1	0.2	0.07	0.44	0.03	0.12	<5	1	1.9	0.11	14	98.5
X928145		2.3	0.03	<1	1.6	0.1	0.01	0.09	<0.01	<0.05	<5	1	0.2	<0.03	4	96.2
X928146		2.0	1.04	<1	0.7	0.1	0.06	0.46	0.01	0.19	<5	1	0.7	0.06	19	98.3
X928147		3.2	0.31	<1	2.1	0.1	0.03	0.19	0.01	0.13	<5	1	1.3	0.09	4	89.2
X928148		0.2	0.04	<1	1.2	0.2	<0.01	<0.05	<0.01	<0.05	6	4	0.1	<0.03	<2	99.7
X928149		0.2	<0.03	<1	0.8	0.2	<0.01	<0.05	<0.01	<0.05	5	1	<0.1	<0.03	<2	100.0
X928150		<0.2	<0.03	<1	0.6	0.2	<0.01	<0.05	<0.01	<0.05	<5	1	<0.1	<0.03	<2	99.2
X928151		129.5	2.55	2	3.0	0.6	0.21	5.37	0.08	2.61	47	6	5.7	0.58	138	76.3
X928152		14.9	0.72	<1	1.3	0.3	0.07	1.16	0.02	0.76	12	2	2.2	0.20	28	95.0
X928153		0.2	0.03	<1	0.9	0.2	0.01	<0.05	<0.01	<0.05	<5	1	0.1	<0.03	<2	98.2
X928154		100.5	2.50	1	9.5	0.6	0.27	5.42	0.10	2.38	71	4	6.2	0.57	44	87.7
X928155		8.3	0.96	4	54.9	0.2	0.08	2.58	0.02	0.76	22	4	2.0	0.16	38	83.3
X928156		65.7	2.56	1	349	0.3	0.33	2.68	0.16	0.74	121	2	10.5	1.08	76	66.0
X928157		2.2	0.37	<1	2.8	0.2	0.05	1.13	0.04	0.38	10	1	2.7	0.33	38	99.7
X928158		27.6	2.41	<1	366	0.3	0.48	1.17	0.22	0.39	28	5	15.8	1.43	30	60.5
X928159		3.5	0.06	<1	7.3	0.1	0.03	0.18	<0.01	0.07	7	1	0.7	0.08	4	98.9
X928160		148.0	2.39	1	82.9	0.6	0.32	5.59	0.15	1.51	67	4	10.6	1.09	153	67.0
X928161		2.9	11.10	<1	3.8	0.3	2.76	1.94	1.59	0.56	6	1	102.5	9.53	5	96.9
X928162		1.9	0.08	<1	2.5	0.2	<0.01	0.15	<0.01	0.06	6	1	0.3	0.03	<2	99.4
X928163		4.3	3.94	<1	20.3	0.3	0.26	3.09	0.03	0.47	24	2	3.3	0.30	23	94.5
X928164		10.6	4.05	1	182.5	0.5	0.94	4.98	0.42	1.81	47	5	30.8	2.89	90	44.9
X928165		15.5	2.53	1	115.5	0.6	0.61	5.24	0.31	2.05	56	6	21.4	2.17	125	58.4
X928166		10.1	3.93	1	127.5	0.5	1.23	4.08	0.58	1.70	31	4	41.7	3.72	79	45.0
X928167		5.8	2.22	1	111.5	0.5	0.29	5.33	0.10	1.49	28	4	6.9	0.73	77	70.1
X928168		6.2	3.92	1	281	0.3	1.60	2.03	0.72	0.73	85	2	50.2	4.70	28	11.85



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 410 FALCONBRIDGE ROAD
 UNIT 5
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Sample Description	Method Analyte Units LOD	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06	CRU-QC
		Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	LOI %	Total %	Pass2mm %
		0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
X928129		6.21	3.44	0.01	0.75	0.04	1.90	0.008	0.07	0.01	0.02	<0.01	0.05	1.13	99.84	84.8
X928130		0.21	1.06	0.01	0.02	0.02	0.07	0.013	<0.01	0.01	0.03	<0.01	<0.01	-0.08	100.36	
X928131		1.84	1.44	0.03	0.18	0.60	0.32	0.008	0.03	0.01	0.03	<0.01	0.01	0.15	100.85	
X928132		12.15	2.26	0.11	0.49	4.07	2.32	0.012	0.29	0.01	0.08	<0.01	0.05	0.93	101.37	
X928133		12.95	1.69	0.11	0.34	6.43	0.95	0.009	0.23	0.01	0.06	<0.01	0.02	0.49	99.69	
X928134		4.36	2.55	0.01	0.52	0.09	1.45	0.008	0.06	0.01	0.03	<0.01	0.03	0.68	100.20	
X928135		1.95	1.90	0.01	0.31	0.03	0.55	0.011	0.03	0.01	0.02	<0.01	0.01	0.30	101.43	
X928136		0.26	0.80	0.01	0.02	0.02	0.10	0.008	0.01	0.01	0.04	<0.01	<0.01	-0.05	100.43	
X928137		2.14	1.64	0.02	0.17	0.46	0.51	0.013	0.05	0.01	0.02	<0.01	0.01	0.18	101.12	
X928138		11.60	2.19	0.11	0.54	5.19	1.09	0.010	0.26	0.01	0.08	<0.01	0.02	0.58	100.78	
X928139		1.92	3.32	0.02	0.65	0.03	0.21	0.009	0.05	0.02	0.03	<0.01	<0.01	0.51	99.27	
X928140		1.51	1.98	0.02	0.34	0.02	0.33	0.011	0.05	0.01	0.01	<0.01	0.01	0.39	98.78	
X928141		5.95	2.86	0.06	0.60	1.36	1.19	0.011	0.16	0.01	0.07	<0.01	0.02	0.78	99.87	
X928142		1.33	3.77	0.07	0.21	0.02	0.33	0.015	0.07	0.01	0.01	<0.01	0.01	1.44	100.29	
X928143		0.05	1.72	0.01	0.01	0.01	0.02	0.011	<0.01	0.01	0.01	<0.01	<0.01	0.31	99.06	
X928144		0.44	1.10	0.01	0.08	0.02	0.12	0.012	0.02	0.01	0.01	<0.01	<0.01	0.01	100.33	
X928145		0.65	2.14	0.03	0.18	0.05	0.10	0.007	0.01	0.01	0.01	<0.01	<0.01	0.37	99.76	
X928146		0.19	1.02	<0.01	0.01	0.01	0.07	0.013	0.02	0.01	0.01	<0.01	<0.01	-0.03	99.62	
X928147		0.44	6.57	0.29	0.11	0.09	0.10	0.011	0.01	0.02	<0.01	<0.01	<0.01	2.84	99.68	
X928148		0.02	1.04	0.01	<0.01	0.01	0.03	0.010	<0.01	0.01	0.01	<0.01	<0.01	0.06	100.90	
X928149		0.02	1.54	0.01	<0.01	0.01	<0.01	0.014	<0.01	0.01	<0.01	<0.01	<0.01	0.25	101.85	
X928150		0.02	0.98	0.01	<0.01	<0.01	0.02	0.012	<0.01	0.01	0.01	<0.01	<0.01	0.04	100.30	
X928151		11.70	4.22	0.05	0.91	0.06	4.10	0.011	0.22	0.01	0.08	<0.01	0.08	2.15	99.89	
X928152		1.34	1.56	0.02	0.14	0.01	0.46	0.008	0.04	0.01	0.02	<0.01	0.01	0.28	98.90	
X928153		0.03	1.00	0.01	<0.01	<0.01	0.02	0.010	<0.01	0.01	0.01	<0.01	<0.01	-0.04	99.25	
X928154		6.55	2.80	0.10	0.53	0.04	2.43	0.024	0.29	0.02	0.05	<0.01	0.08	1.14	101.75	
X928155		9.08	1.14	0.28	0.12	5.17	0.26	0.006	0.05	0.01	0.05	<0.01	0.01	0.38	99.86	
X928156		10.75	4.80	6.42	2.09	1.95	2.23	0.004	0.50	0.12	0.14	0.04	0.04	6.09	101.17	
X928157		0.51	0.45	0.03	0.02	0.16	0.09	0.005	0.02	<0.01	<0.01	<0.01	<0.01	0.07	101.06	
X928158		5.42	5.90	9.09	3.85	2.12	0.84	0.011	0.10	0.11	0.21	0.03	0.02	12.65	100.85	
X928159		0.34	1.00	0.25	0.10	0.06	0.10	0.012	0.02	0.01	<0.01	<0.01	<0.01	0.24	101.03	
X928160		14.95	4.71	1.59	1.89	3.72	3.32	0.019	0.42	0.04	0.10	<0.01	0.06	3.48	101.30	
X928161		0.58	0.84	0.01	0.02	0.27	0.07	0.009	0.01	0.01	0.02	<0.01	<0.01	0.04	98.78	
X928162		0.20	0.75	0.02	0.02	0.06	0.07	0.011	0.01	0.01	0.03	<0.01	<0.01	-0.13	100.45	
X928163		2.14	0.85	0.42	0.33	1.07	0.16	0.012	0.07	0.01	0.03	<0.01	<0.01	0.45	100.04	
X928164		9.88	4.02	11.70	6.68	5.33	0.37	0.013	0.29	0.10	0.16	0.02	0.01	16.75	100.22	
X928165		11.75	6.96	5.19	3.22	6.03	0.51	0.014	0.39	0.06	0.10	0.01	0.01	7.03	99.67	
X928166		8.83	8.50	9.70	5.69	4.67	0.36	0.009	0.27	0.10	0.16	0.01	0.01	10.65	93.96	
X928167		8.82	1.85	4.60	2.57	5.01	0.26	0.013	0.25	0.05	0.13	0.01	<0.01	6.51	100.17	
X928168		3.14	6.63	24.7	14.05	1.68	0.19	0.015	0.13	0.17	0.02	0.03	<0.01	37.3	99.91	88.1



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X928129 X928130 X928131 X928132 X928133		91.4 85.1
X928134 X928135 X928136 X928137 X928138		
X928139 X928140 X928141 X928142 X928143		
X928144 X928145 X928146 X928147 X928148		
X928149 X928150 X928151 X928152 X928153		
X928154 X928155 X928156 X928157 X928158		
X928159 X928160 X928161 X928162 X928163		
X928164 X928165 X928166 X928167 X928168		86.1 95.8



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X928169		1.98	<0.001	<0.5	11	<0.5	4	12	<10	3	7	3	10	<10	6	56.4
X928170		1.73	0.114	<0.5	83	0.8	1020	20	<10	<1	27	7	66	<10	3	8.3
X928171		2.70	0.005	<0.5	16	0.9	9	36	<10	4	87	8	4	<10	153	19.7
X928172		0.19	0.003	<0.5	<5	<0.5	9	3	10	3	3	<2	1	<10	3	16.3
X928173		0.07	9.21	9.8	13	0.6	12	68	50	5	11	16	12	<10	72	342
X928174		1.03	0.214	<0.5	45	<0.5	11	107	<10	5	18	3	5	<10	7	465
X928175		1.63	1.110	<0.5	504	<0.5	8	47	<10	5	14	3	<1	<10	<2	14.3
X928176		2.16	0.006	<0.5	<5	<0.5	1	2	<10	4	5	2	3	<10	3	117.5
X928177		2.24	0.003	<0.5	5	<0.5	2	10	<10	3	14	5	3	<10	14	532
X928178		1.79	0.019	<0.5	15	<0.5	5	23	<10	<1	39	8	9	<10	15	1390
X928179		2.57	0.074	<0.5	25	<0.5	24	60	<10	5	20	5	1	<10	5	88.0
X928180		1.75	0.055	<0.5	31	<0.5	72	22	<10	4	19	4	<1	<10	3	45.9



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Sample Description	Method Analyte Units LOD	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	
		Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd	Pr
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	10	0.01	0.05	0.03	0.02	0.1	0.05	0.1	0.01	0.1	0.01	0.1	0.1	0.02
X928169		20.3	100	0.11	1.54	0.70	0.55	13.9	1.89	3.0	0.29	9.7	0.11	5.6	9.0	2.54
X928170		41.3	20	0.14	13.10	6.51	4.74	2.3	10.25	0.1	2.48	20.2	0.69	0.4	20.8	5.13
X928171		372	100	0.09	4.64	1.03	5.20	5.4	15.35	2.2	0.53	173.0	0.09	2.1	144.0	40.7
X928172		5.3	40	0.12	0.61	0.34	0.08	0.8	0.50	1.2	0.13	2.6	0.05	0.6	2.2	0.63
X928173		23.2	20	4.04	1.78	1.10	0.68	11.8	2.19	2.0	0.37	10.9	0.15	2.3	11.7	3.01
X928174		11.4	90	1.07	0.87	0.47	0.22	6.2	0.82	0.7	0.16	5.2	0.05	2.4	4.3	1.27
X928175		7.6	80	0.04	0.09	<0.03	0.09	0.8	0.34	<0.1	<0.01	3.8	<0.01	0.1	2.9	0.92
X928176		23.2	70	0.25	0.48	0.15	0.36	4.3	1.10	0.7	0.06	11.2	0.02	1.1	9.7	2.78
X928177		31.5	80	1.14	0.80	0.33	0.41	10.7	1.23	2.6	0.13	16.6	0.05	3.1	11.7	3.54
X928178		19.3	90	3.75	1.92	1.20	0.38	25.8	1.58	7.1	0.40	9.7	0.17	7.5	7.3	2.24
X928179		9.9	70	0.24	0.49	0.24	0.22	2.1	0.86	0.4	0.10	4.8	0.01	0.4	4.4	1.17
X928180		16.8	60	0.13	0.49	0.17	0.30	1.5	0.79	0.1	0.09	8.0	<0.01	0.2	7.2	1.98



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		Rb ppm	Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zr ppm	SiO2 %
		0.2	0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2	0.01
X928169		10.3	2.10	1	109.5	0.6	0.26	4.01	0.10	1.98	48	6	7.1	0.78	108	71.4
X928170		4.6	6.51	<1	246	0.2	2.03	0.53	0.92	0.41	25	1	63.9	6.00	5	7.41
X928171		6.1	26.0	<1	19.6	0.4	1.49	10.40	0.12	1.52	31	4	11.8	0.79	83	91.2
X928172		1.9	0.51	<1	4.9	0.2	0.09	1.21	0.05	0.58	<5	1	3.4	0.33	38	97.0
X928173		64.7	2.64	1	348	0.3	0.31	2.75	0.15	0.75	118	2	10.2	1.17	75	64.4
X928174		58.9	1.07	1	7.1	0.3	0.15	3.96	0.04	1.16	35	2	4.1	0.40	29	90.8
X928175		2.3	0.53	<1	1.5	0.1	0.03	0.13	<0.01	0.06	<5	1	0.3	<0.03	<2	98.8
X928176		19.0	1.99	1	2.1	0.3	0.12	1.64	0.02	0.32	21	2	1.6	0.15	25	93.9
X928177		88.1	2.14	1	16.4	0.4	0.17	3.70	0.04	0.91	33	2	3.3	0.44	102	87.8
X928178		252	1.59	2	35.7	0.8	0.30	12.15	0.16	3.14	83	5	11.0	1.27	266	70.2
X928179		13.2	1.00	<1	15.1	0.2	0.10	0.38	0.03	0.27	12	1	2.6	0.23	15	95.3
X928180		7.3	1.27	1	10.0	0.2	0.12	0.67	0.02	0.12	9	1	2.1	0.20	5	95.7

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		Al2O3 %	Fe2O3 %	CaO %	MgO %	Na2O %	K2O %	Cr2O3 %	TiO2 %	MnO %	P2O5 %	SrO %	BaO %	TiO2 %	LOI %	Total %
		0.01	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
X928169		12.00	1.24	2.54	1.43	6.65	0.35	0.014	0.38	0.02	0.15	0.01	0.01	3.51	99.70	
X928170		1.06	11.75	25.5	14.25	0.35	0.10	0.003	0.03	0.35	0.04	0.03	<0.01	31.8	92.67	
X928171		3.06	2.08	0.32	0.32	1.51	0.17	0.014	0.15	0.01	0.07	<0.01	<0.01	0.95	99.85	
X928172		0.37	2.28	0.27	0.15	0.08	0.05	0.006	0.02	0.03	<0.01	<0.01	<0.01	-0.01	100.25	
X928173		10.50	4.68	6.27	2.04	1.92	2.18	0.004	0.48	0.11	0.15	0.04	0.04	6.09	98.90	
X928174		4.19	3.29	0.07	0.33	0.05	1.55	0.013	0.16	0.01	0.03	<0.01	0.06	1.04	101.59	
X928175		0.27	1.68	0.01	0.03	0.03	0.08	0.011	<0.01	0.01	<0.01	<0.01	<0.01	0.37	101.29	
X928176		2.42	2.26	0.03	0.48	0.02	0.61	0.010	0.08	0.01	0.02	<0.01	0.01	0.44	100.29	
X928177		5.54	2.62	0.05	0.54	0.47	1.95	0.011	0.17	0.02	0.03	<0.01	0.06	0.78	100.04	
X928178		15.45	4.46	0.03	1.00	1.68	5.52	0.013	0.46	0.01	<0.01	<0.01	0.16	2.17	101.15	
X928179		1.13	2.41	0.61	0.36	0.02	0.36	0.008	0.02	0.02	0.02	<0.01	0.01	1.25	101.52	
X928180		0.90	2.23	0.27	0.19	0.12	0.23	0.007	0.01	0.01	0.02	<0.01	0.01	0.87	100.57	

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CERTIFICATE OF ANALYSIS SD20257498

Sample Description	Method Analyte Units LOD
X928169 X928170 X928171 X928172 X928173	PUL-QC Pass75um % 0.01
X928174 X928175 X928176 X928177 X928178	
X928179 X928180	



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

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CERTIFICATE OF ANALYSIS SD20257498

CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.			
	CRU-31	CRU-QC	LOG-22	LOG-23
	PUL-32	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-ICP21	ME-4ACD81	ME-ICP06	ME-MS81
	OA-GRA05	TOT-ICP06		



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 410 FALCONBRIDGE ROAD
 UNIT 5
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QC CERTIFICATE SD20257498

Project: MONGOWIN

This report is for 52 Drill Core samples submitted to our lab in Sudbury, ON, Canada on 6-NOV-2020.

The following have access to data associated with this certificate:

JAKE BURDEN GRANT MOURRE	GREG COLLINS BEN WILLIAMS	THOMAS HART
-----------------------------	------------------------------	-------------

SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-23	Pulp Login - Rcvd with Barcode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test

ANALYTICAL PROCEDURES		
ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-4ACD81	Base Metals by 4-acid dig.	ICP-AES
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	Lithium Borate Fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	

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

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

Signature: 
 Saa Traxler, General Manager, North Vancouver



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Sample Description	Method Analyte Units LOD	Au-ICP21 Au ppm 0.001	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1
STANDARDS																
AMIS0085															368	72.9
AMIS0085																
Target Range - Lower Bound																
Upper Bound																
AMIS0167															81.9	46.0
AMIS0167																
Target Range - Lower Bound																
Upper Bound																
AMIS0304															2840	8750
AMIS0304															2340	7280
Target Range - Lower Bound															2860	8900
Upper Bound																
AMIS0343		<0.5	15	<0.5	1	51	6740	3	12	2	<1	30	79			
AMIS0343		<0.5	<5	<0.5	<1	47	6300	<1	11	<2	<1	<10	70			
Target Range - Lower Bound		1.1	24	1.0	5	56	7730	6	17	10	2	50	90			
Upper Bound																
AMIS0461																
AMIS0461																
Target Range - Lower Bound																
Upper Bound																
AMIS0547																
AMIS0547																
Target Range - Lower Bound																
Upper Bound																
AMIS0571																
AMIS0571																
Target Range - Lower Bound																
Upper Bound																
BCS-512															3.1	0.9
BCS-512																
Target Range - Lower Bound																
Upper Bound																
CDN-GS-5X		4.97														
CDN-GS-5X		4.74														
Target Range - Lower Bound		4.74														
Upper Bound		5.34														



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QC CERTIFICATE OF ANALYSIS SD20257498

Sample Description	Method Analyte Units LOD	ME-MS81 Cr ppm	ME-MS81 Cs ppm	ME-MS81 Dy ppm	ME-MS81 Er ppm	ME-MS81 Eu ppm	ME-MS81 Ga ppm	ME-MS81 Gd ppm	ME-MS81 Hf ppm	ME-MS81 Ho ppm	ME-MS81 La ppm	ME-MS81 Lu ppm	ME-MS81 Nb ppm	ME-MS81 Nd ppm	ME-MS81 Pr ppm	ME-MS81 Rb ppm
STANDARDS																
AMIS0085		610	4.35	11.50	9.29	0.99	14.6	7.87	5.0	2.71	39.7	1.48	11.1	28.9	8.24	236
AMIS0085																
Target Range - Lower Bound																
Upper Bound																
AMIS0167		430	1.05	6.09	3.06	0.82	3.4	5.03	2.7	1.15	23.5	0.28	4.4	18.2	5.22	16.8
AMIS0167																
Target Range - Lower Bound																
Upper Bound																
AMIS0304		100	0.44	141.0	37.0	158.5	52.8	367	28.5	19.60	3760	2.21	>2500	4260	>1000	11.5
Target Range - Lower Bound		70	0.35	119.0	30.6	135.0	47.8	309	25.1	16.20	3250	1.84	4670	3610	925	9.3
Upper Bound		120	0.45	145.5	37.4	165.0	58.7	377	30.9	19.80	3970	2.27	>2500	4410	>1000	11.8
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
AMIS0461																
AMIS0461																
Target Range - Lower Bound																
Upper Bound																
AMIS0547																
Target Range - Lower Bound																
Upper Bound																
AMIS0571																
AMIS0571																
Target Range - Lower Bound																
Upper Bound																
BCS-512		<10	0.05	<0.05	<0.03	<0.02	<0.1	0.05	<0.1	<0.01	0.5	<0.01	0.1	0.5	0.09	0.3
BCS-512																
Target Range - Lower Bound																
Upper Bound																
CDN-GS-5X																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOD	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	
		Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zr ppm	SiO2 %	Al2O3 %
STANDARDS																
AMIS0085		7.35	3	105.0	1.6	1.57	54.3	1.38	266	73	2	71.7	9.88	162	69.7	11.00
AMIS0085															71.7	11.00
Target Range - Lower Bound															69.0	10.60
Upper Bound															72.1	11.35
AMIS0167		4.73	1	19.2	1.8	0.98	48.7	0.44	487	68	2	24.6	2.54	99	91.6	2.40
AMIS0167															92.4	2.47
Target Range - Lower Bound															89.6	2.29
Upper Bound															93.3	2.55
AMIS0304		636	26	3560	13.0	37.4	472	3.53	24.7	397	6	431	18.15	1180	12.25	1.58
Target Range - Lower Bound		543	22	3060	11.1	30.8	406	3.14	21.6	331	3	369	15.25	1005	11.90	1.42
Upper Bound		664	29	3740	13.8	37.7	496	3.86	26.5	415	7	451	18.75	1230	12.75	1.62
AMIS0343																
Target Range - Lower Bound																
Upper Bound																
AMIS0461																
AMIS0461																
Target Range - Lower Bound																
Upper Bound																
AMIS0547																
Target Range - Lower Bound																
Upper Bound																
AMIS0571																
AMIS0571																
Target Range - Lower Bound																
Upper Bound																
BCS-512		0.07	<1	188.5	0.1	0.01	0.06	<0.01	2.30	<5	1	0.2	<0.03	<2	0.41	0.07
BCS-512															0.39	0.07
Target Range - Lower Bound															0.34	0.03
Upper Bound															0.42	0.08
CDN-GS-5X																
Target Range - Lower Bound																
Upper Bound																

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Method Analyte Units LOD	ME-ICP06 Fe2O3 %	ME-ICP06 CaO %	ME-ICP06 MgO %	ME-ICP06 Na2O %	ME-ICP06 K2O %	ME-ICP06 Cr2O3 %	ME-ICP06 TiO2 %	ME-ICP06 MnO %	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
STANDARDS													
AMIS0085	3.40	3.20	1.76	1.78	4.74	0.080	0.22	0.07	0.09	0.01	0.04		98.63
AMIS0085	3.50	3.28	1.79	1.77	4.70	0.079	0.21	0.07	0.08	0.01	0.04		100.77
Target Range - Lower Bound	3.33	3.12	1.64	1.62	4.48	0.068	0.18	0.04	0.05	<0.01	0.02		97.99
Upper Bound	3.67	3.44	1.86	1.84	4.90	0.090	0.24	0.09	0.10	0.03	0.06		>102.00
AMIS0167	3.39	0.14	0.24	0.09	0.51	0.059	0.15	0.02	0.03	<0.01	0.01		100.26
AMIS0167	3.46	0.14	0.24	0.08	0.53	0.060	0.15	0.02	0.03	<0.01	0.01		101.21
Target Range - Lower Bound	3.28	0.10	0.21	0.06	0.45	0.049	0.12	<0.01	<0.01	<0.01	<0.01		97.99
Upper Bound	3.62	0.16	0.27	0.12	0.55	0.067	0.18	0.04	0.05	0.02	0.02		>102.00
AMIS0304	21.5	28.6	2.94	0.10	0.29	0.013	1.83	0.47	18.65	0.42	0.30		96.68
Target Range - Lower Bound	20.3	27.7	2.72	0.06	0.25	0.005	1.69	0.41	17.80	0.36	0.25		
Upper Bound	21.6	29.3	3.02	0.12	0.31	0.016	1.91	0.51	18.90	0.44	0.31		
AMIS0343													
Target Range - Lower Bound													
Upper Bound													
AMIS0461												38.9	
AMIS0461												38.8	
Target Range - Lower Bound												36.9	
Upper Bound												40.9	
AMIS0547												38.5	
Target Range - Lower Bound												36.6	
Upper Bound												40.4	
AMIS0571												3.31	
AMIS0571												3.33	
Target Range - Lower Bound												3.18	
Upper Bound												3.54	
BCS-512	0.03	30.5	21.6	0.12	0.02	<0.002	<0.01	<0.01	0.02	0.02	<0.01		52.79
BCS-512	0.03	31.3	21.8	0.12	0.01	<0.002	0.01	<0.01	<0.01	0.02	<0.01		53.75
Target Range - Lower Bound	<0.01	29.8	20.9	0.09	<0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01		
Upper Bound	0.05	31.4	22.2	0.15	0.02	0.004	0.02	0.02	0.02	0.05	0.02		
CDN-GS-5X													
Target Range - Lower Bound													
Upper Bound													



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Method Analyte Units LOD	Au-ICP21	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-4ACD81	ME-MS81	ME-MS81
Sample Description	Au	Ag	As	Cd	Co	Cu	Li	Mo	Ni	Pb	Sc	Tl	Zn	Ba	Ce		
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	0.001	0.5	5	0.5	1	1	10	1	1	2	1	10	2	0.5	0.1		
STANDARDS																	
CDN-W-4																	
Target Range - Lower Bound																	
Upper Bound																	
EMOG-17		68.8	617	20.7	770	8620	30	1115	7970	7500	8	<10	7710				
Target Range - Lower Bound		60.4	517	17.7	685	7740	<10	996	6820	6570	6	<10	6800				
Upper Bound		75.0	643	22.7	839	8910	50	1220	8330	8030	10	20	8320				
GPP-14	0.905																
Target Range - Lower Bound	0.853																
Upper Bound	0.965																
MRGeo08		4.3	33	2.6	19	630	30	14	709	1085	10	<10	814				
Target Range - Lower Bound		3.2	21	1.1	17	586	<10	12	621	969	10	<10	722				
Upper Bound		5.6	45	3.4	23	676	50	18	761	1190	15	20	886				
OREAS 146																>10000	5150
Target Range - Lower Bound																11450	4220
Upper Bound																>10000	5160
OREAS 219	0.739																
Target Range - Lower Bound	0.713																
Upper Bound	0.807																
OREAS 602		>100	662	25.1	10	5090	20	4	60	1030	4	<10	4120				
Target Range - Lower Bound		107.5	579	21.7	7	4790	<10	2	53	918	2	<10	3770				
Upper Bound		100.0	719	27.7	12	5510	40	7	67	1125	6	20	4610				
OREAS 684	0.245																
Target Range - Lower Bound	0.232																
Upper Bound	0.264																
OREAS-101b																188.5	1390
Target Range - Lower Bound																	1200
Upper Bound																	1465
SY-4																347	129.5
SY-4																	
Target Range - Lower Bound																	
Upper Bound																	

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Sample Description	Method Analyte Units LOD	ME-MS81 Cr ppm	ME-MS81 Cs ppm	ME-MS81 Dy ppm	ME-MS81 Er ppm	ME-MS81 Eu ppm	ME-MS81 Ga ppm	ME-MS81 Gd ppm	ME-MS81 Hf ppm	ME-MS81 Ho ppm	ME-MS81 La ppm	ME-MS81 Lu ppm	ME-MS81 Nb ppm	ME-MS81 Nd ppm	ME-MS81 Pr ppm	ME-MS81 Rb ppm
STANDARDS																
CDN-W-4																
Target Range - Lower Bound																
Upper Bound																
EMOG-17																
Target Range - Lower Bound																
Upper Bound																
GPP-14																
Target Range - Lower Bound																
Upper Bound																
MGeo08																
Target Range - Lower Bound																
Upper Bound																
OREAS 146		200	0.52	232	85.1	127.0	29.1	347	4.3	37.8	2690	6.50	415	2330	601	27.2
Target Range - Lower Bound		160	0.47	202	78.3	114.5	26.2	323	3.7	33.1	2260	5.66	349	1965	493	23.7
Upper Bound		220	0.59	246	95.7	139.5	32.2	395	4.7	40.5	2760	6.94	427	2400	603	29.5
OREAS 219																
Target Range - Lower Bound																
Upper Bound																
OREAS 602																
Target Range - Lower Bound																
Upper Bound																
OREAS 684																
Target Range - Lower Bound																
Upper Bound																
OREAS-101b		30	2.46	32.2	20.6	8.04	27.6	35.7	10.9	6.79	842	2.73	57.3	391	127.0	190.5
Target Range - Lower Bound				28.8	16.80	6.97		32.4		5.70	710	2.31		340	114.5	
Upper Bound				35.4	20.6	8.57		39.7		6.98	868	2.85		416	139.5	
SY-4		10	1.62	19.80	15.10	2.03	37.9	14.65	11.9	4.72	60.4	2.23	14.2	60.0	16.10	56.7
SY-4																
Target Range - Lower Bound																
Upper Bound																

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Method Analyte Units LOD	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01
STANDARDS															
CDN-W-4															
Target Range - Lower Bound															
Upper Bound															
EMOG-17															
Target Range - Lower Bound															
Upper Bound															
GPP-14															
Target Range - Lower Bound															
Upper Bound															
MGeo08															
Target Range - Lower Bound															
Upper Bound															
OREAS 146	471	46	3360	4.3	46.1	962	10.20	2.87	166	29	981	53.0	235	19.60	2.94
Target Range - Lower Bound	397	40	2790	3.6	42.5	813	8.90	2.37	140	25	814	48.1	204	19.50	2.82
Upper Bound	485	52	3410	4.6	51.9	993	10.90	3.01	182	33	996	58.9	254	20.7	3.12
OREAS 219															
Target Range - Lower Bound															
Upper Bound															
OREAS 602															
Target Range - Lower Bound															
Upper Bound															
OREAS 684															
Target Range - Lower Bound															
Upper Bound															
OREAS-101b	51.5	10	21.4	3.0	5.62	36.7	2.80	412	79	20	170.0	18.25	409	61.6	10.40
Target Range - Lower Bound	43.2				4.82	32.7	2.38	348	66		160.0	15.80			
Upper Bound	52.8				5.92	40.1	2.94	426	94		196.0	19.40			
SY-4	13.45	8	1310	1.0	2.79	1.40	2.47	0.94	11	1	123.0	15.95	663	50.9	21.3
SY-4															
Target Range - Lower Bound															
Upper Bound															

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Method Analyte Units LOD	ME-ICP06 Fe2O3 %	ME-ICP06 CaO %	ME-ICP06 MgO %	ME-ICP06 Na2O %	ME-ICP06 K2O %	ME-ICP06 Cr2O3 %	ME-ICP06 TiO2 %	ME-ICP06 MnO %	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
STANDARDS													
CDN-W-4												4.30	
Target Range - Lower Bound												4.08	
Upper Bound												4.53	
EMOG-17													
Target Range - Lower Bound													
Upper Bound													
GPP-14													
Target Range - Lower Bound													
Upper Bound													
MGeo08													
Target Range - Lower Bound													
Upper Bound													
OREAS 146	27.9	17.05	6.91	0.31	1.27	0.026	1.41	2.41	0.50	0.37	1.51		91.56
Target Range - Lower Bound	27.5	16.75	6.59	0.26	1.19	0.017	1.35	2.30	0.49	0.33	1.39		97.99
Upper Bound	29.1	17.85	7.15	0.34	1.37	0.031	1.53	2.56	0.59	0.41	1.59		>102.00
OREAS 219													
Target Range - Lower Bound													
Upper Bound													
OREAS 602													
Target Range - Lower Bound													
Upper Bound													
OREAS 684													
Target Range - Lower Bound													
Upper Bound													
OREAS-101b	14.80	1.59	2.09	0.09	2.86	0.005	0.65	0.12	0.31	<0.01	0.02		94.54
Target Range - Lower Bound													
Upper Bound													
SY-4	6.28	8.29	0.55	7.26	1.72	0.002	0.30	0.11	0.12	0.15	0.04		101.58
SY-4	6.23	8.22	0.53	7.22	1.69	0.002	0.28	0.11	0.15	0.14	0.04		99.47
Target Range - Lower Bound	5.95	7.74	0.49	6.81	1.56	<0.002	0.25	0.08	0.10	0.11	<0.01		97.99
Upper Bound	6.47	8.36	0.59	7.39	1.76	0.005	0.32	0.13	0.16	0.17	0.06		>102.00

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 410 FALCONBRIDGE ROAD
 UNIT 5
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QC CERTIFICATE OF ANALYSIS SD20257498

Sample Description	Method Analyte Units LOD	Au-ICP21 Au ppm 0.001	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1
BLANKS																
BLANK		0.002														
Target Range - Lower Bound		<0.001														
Upper Bound		0.002														
BLANK		<0.5	<5	<0.5	<1	<1	<10	<1	<1	<2	<1	<10	<2			
BLANK		<0.5	<5	<0.5	2	1	<10	<1	<1	2	<1	<10	<2			
Target Range - Lower Bound		<0.5	<5	<0.5	<1	<1		<1	<1	<2			<2			
Upper Bound		1.0	10	1.0	2	2		2	2	4			4			
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK															0.7	<0.1
BLANK															4.5	<0.1
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
X928129																
DUP																
Target Range - Lower Bound																
Upper Bound																
X928134		<0.5	17	<0.5	1	24	<10	4	4	5	2	<10	8			
DUP		<0.5	12	<0.5	1	28	10	4	4	5	2	<10	8			
Target Range - Lower Bound		<0.5	9	<0.5	<1	24	<10	3	3	3	<1	<10	6			
Upper Bound		1.0	20	1.0	2	28	20	5	5	7	3	20	10			



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QC CERTIFICATE OF ANALYSIS SD20257498

Sample Description	Method Analyte Units LOD	ME-MS81 Cr ppm	ME-MS81 Cs ppm	ME-MS81 Dy ppm	ME-MS81 Er ppm	ME-MS81 Eu ppm	ME-MS81 Ga ppm	ME-MS81 Gd ppm	ME-MS81 Hf ppm	ME-MS81 Ho ppm	ME-MS81 La ppm	ME-MS81 Lu ppm	ME-MS81 Nb ppm	ME-MS81 Nd ppm	ME-MS81 Pr ppm	ME-MS81 Rb ppm
		10	0.01	0.05	0.03	0.02	0.1	0.05	0.1	0.01	0.1	0.01	0.1	0.1	0.02	0.2
BLANKS																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK																
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
BLANK		<10	0.02	<0.05	<0.03	<0.02	<0.1	<0.05	<0.1	<0.01	<0.1	<0.01	<0.1	<0.1	<0.02	<0.2
BLANK		<10	0.02	<0.05	<0.03	<0.02	0.1	<0.05	0.1	0.02	0.1	0.01	<0.1	<0.1	<0.02	<0.2
BLANK																
BLANK																
Target Range - Lower Bound																
Upper Bound																
DUPLICATES																
ORIGINAL																
DUP																
Target Range - Lower Bound																
Upper Bound																
X928129		60	0.88	0.31	0.15	0.10	9.3	0.37	1.2	0.07	3.8	0.04	1.2	2.8	0.83	64.9
DUP		70	0.93	0.43	0.28	0.13	9.8	0.57	1.1	0.08	4.3	0.04	1.2	3.3	0.88	68.4
Target Range - Lower Bound		50	0.85	0.30	0.17	0.09	9.0	0.40	1.0	0.06	3.7	0.03	1.0	2.8	0.79	63.1
Upper Bound		80	0.96	0.44	0.26	0.14	10.1	0.54	1.3	0.09	4.4	0.05	1.4	3.3	0.92	70.2
X928134																
DUP																
Target Range - Lower Bound																
Upper Bound																

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Sample Description	Method Analyte Units LOD	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.1	ME-MS81 Yb ppm 0.03	ME-MS81 Zr ppm 2	ME-ICP06 SiO2 % 0.01	ME-ICP06 Al2O3 % 0.01
BLANKS																
BLANK	Target Range - Lower Bound															
	Upper Bound															
BLANK	Target Range - Lower Bound															
	Upper Bound															
BLANK	Target Range - Lower Bound															
	Upper Bound															
BLANK	Target Range - Lower Bound															
	Upper Bound															
BLANK	Target Range - Lower Bound	<0.03	<1	0.1	0.1	<0.01	<0.05	<0.01	<0.05	8	1	<0.1	<0.03	<2	<0.01	<0.01
	Upper Bound	0.04	<1	0.1	0.2	0.01	<0.05	0.01	<0.05	8	1	<0.1	<0.03	<2	<0.01	0.01
BLANK	Target Range - Lower Bound														<0.01	0.03
	Upper Bound														<0.01	0.01
BLANK	Target Range - Lower Bound														<0.01	<0.01
	Upper Bound														0.02	0.02
DUPLICATES																
ORIGINAL	Target Range - Lower Bound														24.1	6.86
	Upper Bound														24.2	6.92
DUP	Target Range - Lower Bound														23.5	6.71
	Upper Bound														24.8	7.07
X928129	Target Range - Lower Bound	0.59	1	3.1	0.2	0.06	1.48	0.02	0.47	16	3	1.7	0.21	43	86.2	6.21
	Upper Bound	0.65	1	3.2	0.2	0.07	1.85	0.03	0.51	19	3	2.3	0.28	39	86.3	6.26
DUP	Target Range - Lower Bound	0.56	<1	2.9	<0.1	0.05	1.53	<0.01	0.42	12	2	1.8	0.20	37	84.1	6.07
	Upper Bound	0.68	2	3.4	0.3	0.08	1.80	0.04	0.56	23	4	2.2	0.29	45	88.4	6.40
X928134	Target Range - Lower Bound															
	Upper Bound															



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Method Analyte Units LOD	ME-ICP06 Fe2O3 %	ME-ICP06 CaO %	ME-ICP06 MgO %	ME-ICP06 Na2O %	ME-ICP06 K2O %	ME-ICP06 Cr2O3 %	ME-ICP06 TiO2 %	ME-ICP06 MnO %	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
BLANKS													
BLANK													
Target Range - Lower Bound													
Upper Bound													
BLANK													
BLANK													
Target Range - Lower Bound													
Upper Bound													
BLANK												0.02	
BLANK												-0.01	
BLANK												0.01	
Target Range - Lower Bound												<0.01	
Upper Bound												0.02	
BLANK	<0.01	0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	0.01	<0.01	<0.01		0.02
BLANK	<0.01	0.01	<0.01	0.01	<0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01		0.03
BLANK	0.01	0.01	<0.01	0.01	0.02	<0.002	<0.01	<0.01	0.02	<0.01	<0.01		0.10
BLANK	<0.01	0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	0.01	<0.01	<0.01		0.03
Target Range - Lower Bound	<0.01	<0.01	<0.01	<0.01	<0.01	<0.002	<0.01	<0.01	<0.01	<0.01	<0.01		
Upper Bound	0.02	0.02	0.02	0.02	0.02	0.004	0.02	0.02	0.02	0.02	0.02		
DUPLICATES													
ORIGINAL	12.95	25.7	5.86	0.51	2.67	<0.002	2.81	0.45	2.68	0.16	0.30		
DUP	13.00	25.8	5.87	0.52	2.67	<0.002	2.84	0.46	2.71	0.16	0.30		
Target Range - Lower Bound	12.65	25.1	5.71	0.49	2.59	<0.002	2.74	0.43	2.62	0.15	0.28		
Upper Bound	13.30	26.4	6.02	0.54	2.75	0.004	2.91	0.48	2.77	0.17	0.32		
X928129	3.44	0.01	0.75	0.04	1.90	0.008	0.07	0.01	0.02	<0.01	0.05	1.13	99.84
DUP	3.48	0.01	0.76	0.04	1.92	0.009	0.07	0.01	0.01	<0.01	0.05	1.10	100.02
Target Range - Lower Bound	3.36	<0.01	0.73	0.03	1.85	0.006	0.06	<0.01	<0.01	<0.01	0.04	1.08	97.42
Upper Bound	3.56	0.02	0.78	0.05	1.97	0.011	0.08	0.02	0.02	0.02	0.06	1.15	>102.00
X928134													
DUP													
Target Range - Lower Bound													
Upper Bound													

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	Method Analyte Units LOD	Au-ICP21 Au ppm 0.001	ME-4ACD81 Ag ppm 0.5	ME-4ACD81 As ppm 5	ME-4ACD81 Cd ppm 0.5	ME-4ACD81 Co ppm 1	ME-4ACD81 Cu ppm 1	ME-4ACD81 Li ppm 10	ME-4ACD81 Mo ppm 1	ME-4ACD81 Ni ppm 1	ME-4ACD81 Pb ppm 2	ME-4ACD81 Sc ppm 1	ME-4ACD81 Tl ppm 10	ME-4ACD81 Zn ppm 2	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.1
X928138 DUP Target Range - Lower Bound Upper Bound		DUPLICATES														
		<0.001														
		0.001														
		<0.001														
		0.002														
X928142 DUP Target Range - Lower Bound Upper Bound																
X928157 DUP Target Range - Lower Bound Upper Bound															12.9	4.2
															14.7	3.8
															12.6	3.7
															15.0	4.3
X928158 DUP Target Range - Lower Bound Upper Bound		0.001														
		0.002														
		<0.001														
		0.002														
X928169 DUP Target Range - Lower Bound Upper Bound			<0.5	11	<0.5	4	12	<10	3	7	3	10	<10	6		
			<0.5	13	<0.5	5	12	<10	2	7	6	10	<10	7		
			<0.5	6	<0.5	3	11	<10	<1	6	<2	9	<10	4		
			1.0	18	1.0	6	13	20	4	8	7	12	20	9		
X928178 DUP Target Range - Lower Bound Upper Bound		0.019														
		0.016														
		0.016														
		0.019														
ORIGINAL DUP Target Range - Lower Bound Upper Bound																



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Sample Description	Method Analyte Units LOD	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.02	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.1	ME-MS81 Ho ppm 0.01	ME-MS81 La ppm 0.1	ME-MS81 Lu ppm 0.01	ME-MS81 Nb ppm 0.1	ME-MS81 Nd ppm 0.1	ME-MS81 Pr ppm 0.02	ME-MS81 Rb ppm 0.2
DUPLICATES																
X928138 DUP Target Range - Lower Bound Upper Bound																
X928142 DUP Target Range - Lower Bound Upper Bound																
X928157 DUP Target Range - Lower Bound Upper Bound		30 30 20 40	0.15 0.12 0.12 0.15	0.41 0.46 0.36 0.51	0.33 0.30 0.27 0.36	0.05 0.03 <0.02 0.06	0.7 0.7 0.6 0.8	0.37 0.39 0.31 0.45	1.2 1.3 1.1 1.4	0.11 0.10 0.09 0.12	2.2 2.0 1.9 2.3	0.03 0.04 0.02 0.05	0.5 0.6 0.4 0.7	1.7 1.6 1.5 1.8	0.52 0.44 0.44 0.52	2.2 2.2 1.9 2.5
X928158 DUP Target Range - Lower Bound Upper Bound																
X928169 DUP Target Range - Lower Bound Upper Bound																
X928178 DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound																

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Sample Description	Method Analyte Units LOD	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	
		Sm ppm	Sn ppm	Sr ppm	Ta ppm	Tb ppm	Th ppm	Tm ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zr ppm	SiO2 %	Al2O3 %
DUPLICATES																
X928138 DUP Target Range - Lower Bound Upper Bound		0.03	1	0.1	0.1	0.01	0.05	0.01	0.05	5	1	0.1	0.03	2	0.01	0.01
X928142 DUP Target Range - Lower Bound Upper Bound																
X928157 DUP Target Range - Lower Bound Upper Bound		0.37 0.36 0.32 0.41	<1 <1 <1 2	2.8 3.0 2.7 3.1	0.2 0.2 <0.1 0.3	0.05 0.06 0.04 0.07	1.13 1.16 1.04 1.25	0.04 0.04 0.03 0.05	0.38 0.39 0.32 0.45	10 7 <5 10	1 1 <1 2	2.7 3.0 2.6 3.1	0.33 0.39 0.31 0.41	38 40 35 43	99.7 >100 97.3 100.0	0.51 0.53 0.50 0.54
X928158 DUP Target Range - Lower Bound Upper Bound																
X928169 DUP Target Range - Lower Bound Upper Bound																
X928178 DUP Target Range - Lower Bound Upper Bound																
ORIGINAL DUP Target Range - Lower Bound Upper Bound														49.6 50.2 48.6 51.2	13.60 13.75 13.30 14.05	



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Method Analyte Units LOD	ME-ICP06 Fe2O3 %	ME-ICP06 CaO %	ME-ICP06 MgO %	ME-ICP06 Na2O %	ME-ICP06 K2O %	ME-ICP06 Cr2O3 %	ME-ICP06 TiO2 %	ME-ICP06 MnO %	ME-ICP06 P2O5 %	ME-ICP06 SrO %	ME-ICP06 BaO %	OA-GRA05 LOI %	TOT-ICP06 Total %
Sample Description	0.01	0.01	0.01	0.01	0.01	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01
DUPLICATES													
X928138 DUP Target Range - Lower Bound Upper Bound													
X928142 DUP Target Range - Lower Bound Upper Bound												1.44 1.41 1.38 1.47	
X928157 DUP Target Range - Lower Bound Upper Bound	0.45 0.46 0.43 0.48	0.03 0.02 <0.01 0.04	0.02 0.02 <0.01 0.03	0.16 0.17 0.15 0.18	0.09 0.09 0.08 0.10	0.005 0.005 0.003 0.007	0.02 0.02 <0.01 0.03	<0.01 <0.01 <0.01 0.02	<0.01 <0.01 <0.01 0.02	<0.01 <0.01 <0.01 0.02	<0.01 <0.01 <0.01 0.02		
X928158 DUP Target Range - Lower Bound Upper Bound													
X928169 DUP Target Range - Lower Bound Upper Bound													
X928178 DUP Target Range - Lower Bound Upper Bound												2.17 2.16 2.10 2.23	
ORIGINAL DUP Target Range - Lower Bound Upper Bound	9.96 10.10 9.77 10.30	9.39 9.44 9.17 9.66	6.33 6.43 6.21 6.55	3.14 3.19 3.08 3.25	0.03 0.03 0.02 0.04	0.013 0.016 0.012 0.017	0.77 0.77 0.74 0.80	0.24 0.24 0.22 0.26	0.07 0.07 0.06 0.08	<0.01 <0.01 <0.01 0.02	<0.01 <0.01 <0.01 0.02		

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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Sudbury located at 1351-B Kelly Lake Road, Unit #1, Sudbury, ON, Canada.			
	CRU-31	CRU-QC	LOG-22	LOG-23
	PUL-32	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-ICP21	ME-4ACD81	ME-ICP06	ME-MS81
	OA-GRA05	TOT-ICP06		

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Table 7: Summary of Report/Map Expenditures	4

Expenditures

Total Expenditure claimed within this report totals **\$15,837**. A breakdown is summarized in Table 1 below, with further details contained within Tables 2 – 7. To accompany the summarized tables are compiled collection of receipts and invoices associated with the work conducted as part of this assessment report.

Table 1: Summary of Expenditures

Work Type	Work Subtype	Subtotal	Total	Summary Table
Prospecting			\$ 9,512	
	Grass Roots Prospecting	9,512		Table 2
Physical Work			\$ -	
	Bedrock Pitting and Trenching (>1m3 and <3m3 in 200 m Radius)	-		
	Bedrock Pitting and Trenching (>3m3 in 200 m Radius)	-		
	Mechanized Stripping (<100m2 in 200 m Radius)	-		
	Mechanized Stripping (>100m2 in 200m Radius)	-		
	Manual Stripping	-		
	Manual work	-		
Sampling Program			\$ -	
	Bulk Sampling	-		
	Drill Core Sampling	-		
	Non-core Drill Sampling	-		
	Overburden Heavy Mineral Processing	-		
	Metallurgical Testing	-		
	Beneficiation	-		
	Industrial Mineral Testing	-		
	Dimensional Stone Removal	-		
	Other Sampling	-		
Remote Sensing Imagery			\$ 474	
	Imagery	474		Table 3
	LiDAR	-		
Geological Survey Work			\$ -	
	Geological Survey	-		
Geochemical Survey Work			\$ -	
	Geochemical Survey	-		
Ground Geophysical Survey Work			\$ -	
	Borehole Geophysics	-		
	Magnetics	-		
	Electromagnetics	-		
	Gravity	-		
	Induced Polarization	-		
	Magnetotellurics	-		
	Radiometrics	-		
	Resistivity	-		
	Seismic	-		
	Self-Potential	-		
	Other Ground Geophysics	-		

Airborne Geophysical Survey Work			\$ -	
	Airborne Magnetics	-		
	Airborne Electromagnetics	-		
	Airborne Gravity	-		
	Airborne Radiometrics	-		
	Other Airborne Geophysics	-		
Modelling or Reprocessing of Data			\$ -	
	Data Modelling	-		
	Data Reprocessing	-		
Exploratory Drilling			\$ -	
	Core Drilling	-		
	Non-core Drilling	-		
Drill Core or Drill Sample Submissions			\$ -	
	Drill Core Submission	-		
	Drill Sample Submission	-		
Petrographic Work			\$ -	
	Microscopy	-		
	Scanning Electron Microscopy	-		
	Electron Microprobe Study	-		
	Other Petrographic Work	-		
Environmental Baseline Study			\$ -	
	Environmental Baseline Study	-		
Rehabilitation Required or Permitted Under the Act			\$ -	
	Rehabilitation	-		
Associated Work types			\$ 5,851	
	Line Cutting	-		
	Assays	4,877		Table 4
	Personal Transportation	107		Table 5
	Contractor Mobilization/Demobilization	-		
	Supplies	52		Table 6
	Equipment Rental	-		
	Report/Map	816		Table 7
	Shipping of Samples	-		
	Food	-		
	Lodgings	-		
	Shipping of Supplies	-		
	Access Trail building	-		
	Industrial Mineral Marketing	-		
Aboriginal Consultation Costs			\$ -	
Totals	Total Expenditures		\$ 15,837	

Table 2: Summary of Prospecting Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	From	To				
Hart Geoscience Inc.	2020-08-13		2007.2	137.50	17.88	155.38
9640355 Canada Corp	2020-11-12		3	680.00	88.40	768.40
9640355 Canada Corp	2020-11-30		4	1,190.00	154.70	1,344.70
Hart Geoscience Inc.	2021-07-17		2106.1	580.00	75.40	655.40
Transition Metals Corp - Internal Salaries	2020-11-30		payroll	6,924.54	-	-
			Total	\$ 9,512.04	\$ 336.38	\$ 2,923.88
			Applicable Assessment Credit	\$ 9,512		

Table 3: Summary of Remote Sensing Imagery Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	From	To				
Ontario - MNRF-LIO-IMP, Imagry		2020-12-03	3.12201E+11	473.50	61.56	535.06
			Total	\$ 473.50	\$ 61.56	\$ 535.06
			Applicable Assesment Credit	\$ 474		

Table 4: Summary of Assays Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	From	To				
ALS Canada Ltd.		2020-12-28	5350345	4,876.88	243.84	5,120.72
			Total	\$ 4,876.88	\$ 243.84	\$ 5,120.72
			Applicable Assesment Credit	\$ 4,877		

Table 5: Summary of Personal Transportation Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	From	To				
Kingsway Esso		2020-06-07	396326	60.18	7.82	68.00
Petro-Canada		2020-11-04	53520401	47.31	6.15	53.46
			Total	\$ 107.49	\$ 13.97	\$ 121.46
			Applicable Assesment Credit	\$ 107		

Table 6: Summary of Supplies Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	From	To				
Canada Post Xpresspost		2020-10-07	8035 4339 9743 8624	11.52	1.50	13.02
Roadpost		2020-12-22	RC08285411	39.99	5.20	45.19
			Total	\$ 51.51	\$ 6.70	\$ 58.21
			Applicable Assesment Credit	\$ 52		

Table 7: Summary of Report/Map Expenditures

Description	Date		Invoice / Receipt Number	Cost	Hst	Total
	From	To				
Transition Metals Corp - Internal Salaries		2020-12-31	payroll	815.57	-	-
			Total	\$ 815.57	\$ -	\$ -
			Applicable Assesment Credit	\$ 816		

Invoices

***Withheld for confidentiality.**