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2019 DIAMOND DRILLING REPORT

on the

WINSTON LAKE Zn-Cu PROPERTY

SUPERIOR LAKE RESOURCES LIMITED
(Ophiolite Holdings Pty Ltd.)

Pays Plat Lake Area
Rope Lake Area
Thunder Bay Mining Division
NORTHWEST ONTARIO, CANADA
NTS 42D14, 42E03

- by -

Dave Thomson, RPF

Gerry White, BSc., P.Geo.

Julie-Anne Ingram

December 28, 2020

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LIST OF ABBREVIATIONS

AAS	Atomic Absorption Spectroscopy
Ag	Silver
Au	Gold
BCMC	Boundary Cell Mining Claim
CNR	Canadian National Railway
CPR	Canadian Pacific Railway
cm	Centimeter
Cu	Copper
DDH	Diamond Drill Hole
EM	Electromagnetic
GB	Greenstone Belts
GIS	Geographic Information System
GPS	Global Positioning System
GSC	Geological Survey of Canada
g/t	Grams per tonne (Metric ton, 1,000 kg)
ha	Hectare
HQ	Drill Core Diameter / 63.5 mm (2.50 in)
IP	Induced Polarization
JORC	Joint Ore Reserves Committee (Australasian Reporting Code, equivalent to NI 43-101)
Kg	Kilogram
Km	Kilometre
LIO	Land Information Ontario
m	Metre
mm	Millimetre
MDI	Mineral Deposit Inventory
MENDM	Ministry of Energy, Northern Development and Mines
Mlbs	Million pounds
MNDM	Ministry of Northern Development and Mines
MCMC	Multi-cell Mining Claim
NAD83	North American Datum 1983
NI	National Instrument
Ni	Nickel
NTS	National Topographic System
OGS	Ontario Geological Survey
Ounce	Troy ounce (used for precious metals) = 31.103 grams
PGE	Platinum Group Elements
PWLP	Pick-Winston Lake Property
ppb	Parts Per Billion
ppm	Parts Per Million
QAQC	Quality Assurance Quality Control
SCMC	Single Cell Mining Claim
SP	Subprovince
TDEM	Time-Domain Electromagnetic (airborne geophysical survey)
UTM	Universal Transverse Mercator (map projection)
VLF	Very Low Frequency
VMS	Volcanogenic Massive Sulphide
VTEM	Versatile Time Domain Electromagnetic (airborne geophysical survey)
WLGB	Winston Lake Greenstone Belt
WSP	Wawa Subprovince
Zn	Zinc

1. INTRODUCTION

This report documents the results of a diamond drilling program conducted by Superior Lake Resources Limited on the Winston Lake Zn-Cu Property (Figure 1) between September and October 2019. The program recovered a total of 1,242 m of HQ core from 2 holes:

- WL-19-02 on Patented Claim PAT-16410 (NAD83, UTM Zone 16, 472650 East, 5424770 North, Elevation 456.44m; and
- WL-19-03 on Mining Lease LEA-107803 (NAD83, UTM Zone 16, 472860 East 5424975 North, Elevation 471.44m.

The drilling was contracted to Chibougamau Diamond Drilling Ltd. from Chibougamau, Quebec and supervised by geologist Avrom Howard of Nebu Consulting (Thunder Bay, Ontario) on behalf of Superior Lake Resources.

Expenditures related to the 2019 Diamond Drilling Program totalled $254,117.04 (see Appendix 4 for a breakdown of these expenses). This work was conducted under Exploration Permit PR-18-000278 held by First Quantum Minerals.

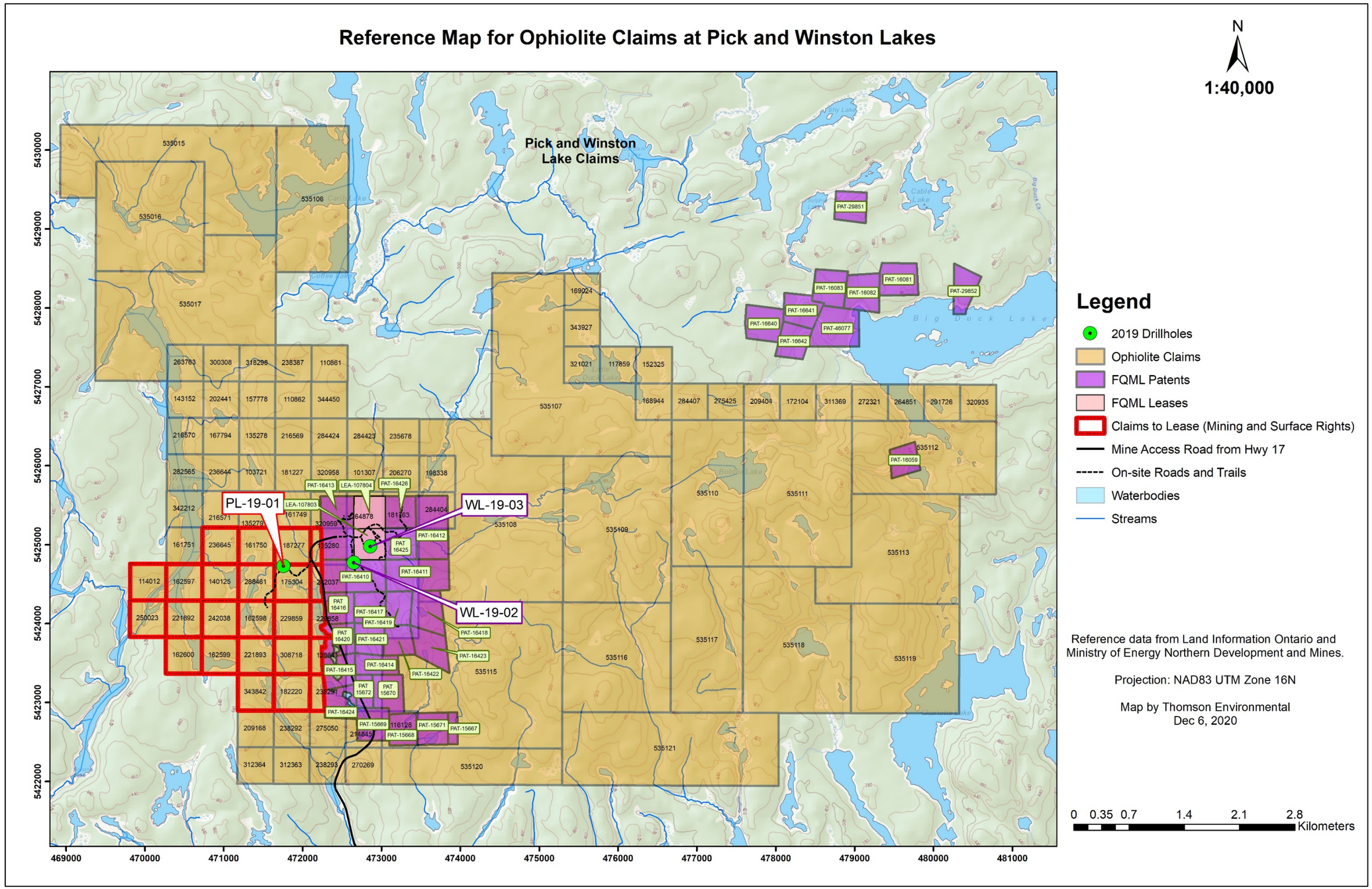
Figure 1 Pick – Winston Lake Property Location Map

2. PROPERTY, LOCATION and ACCESS

The Pick – Winston Lake Property (PWLP) is located in Northwestern Ontario approximately 150 km northeast of the City of Thunder Bay and 20 km north northwest of the town of Schreiber along the north shore of Lake Superior. The contiguous claim group lies primarily within the northern portion of the Pays Plat Lake Area (NTS 42D14L and 14K) and partially within the southern portion of the Rope Lake Area (NTS 42E03C and 03D) (Figure 2). Access to the property is via the Trans-Canada Highway 17, 196 km east from Thunder Bay to the Winston Lake Mine access road (known as the Whitesand/Winston Road). The property can be reached by travelling north for 21 km to the mine gate along the all-weather gravel road. Numerous trails and mine access roads traverse the southern and west central portions of the property.

The PWLP is represented by 36 claims consisting of 2 Mining Leases, 1 Mining Licence and 33 Patent Claims occupying close to 625 ha. A complete list of all claims is provided in Appendix 2.

Figure 2 Pick – Winston Lake Property Map



3. EXPLORATION HISTORY

The exploration and production history of the Pick – Winston Lake Zn-Cu Property, which stretches back over 100 years, is summarized below (Figure 3):

- 1879: Prospectors discovered high grade zinc in the Zenith Lake area, located approximately 1 km east of the Winston Lake Mine.
- 1891 to 1901: The Zenith deposit was developed and close to 3416 t of massive coarse-grained sphalerite was hand-mined (45% Zn) (Puumala et al. 2019). During this same period the Ciglen occurrence, located 2 km northwest of the Winston Lake Mine and east of Winston Lake, was discovered and exposed by 3 trenches along a 35 m strike. Sampling of the No. 1 trench from work conducted at the Ciglen occurrence in 1952 returned 5.09% Zn and 0.08% Cu over 0.9 m (Pye 1964).
- 1952 to 1953: The Anderson copper occurrence was discovered and tested by diamond drilling (129 m in 5 holes). A 6 m section of drill core was estimated to contain 0.5% Cu (Pye 1964). The Anderson occurrence is located about 400 m west of the Pick Lake deposit near the southeast end of Winston Lake.
- 1965: Zenmac Metal Mines Limited investigated both the Ciglen and Anderson occurrences. No assay results were published.
- 1966 to 1970: Zenmac Metal Mines Limited mined the Zenith deposit and produced 164,200 t at 16.5% Zn (Puumala et al. 2019).
- 1978 to 1982: Corporation Falconbridge Copper (CFC) acquired a group of claims adjacent to and west of Zenmac's Zenith deposit. The company conducted detailed mapping, lithogeochemical sampling and various geophysical surveys. This exploration work led to the discovery of the Winston Lake VMS deposit.
- 1981: The Trail occurrence, located approximately 300 m west of the Winston Lake Mine, was discovered during CFC's mapping program and was identified as hosting VMS mineralization.
- 1983: CFC initiated the development of a 3-compartment shaft for underground delineation drilling. Over an 18-month period CFC completed the shaft and underground drilling, which resulted in an initial historical resource of 2.95 MT@ 17.8% Zn, 0.94% Cu, 0.7 oz/ton Ag and 0.025 oz/ton Au (Superior Lake Resources website, 2018 News Release).
- 1984: CFC announced the discovery of the Pick Lake deposit. Exploration diamond drilling from surface following the down-dip extension of a base metal occurrence at the Anderson showing (mentioned previously) resulted in the discovery of the deposit. The discovery of the Winston Lake and Pick Lake VMS deposits were the first in this part of Northwestern Ontario since the discovery in 1954 of the Noranda Geco deposit in the Manitouwadge area, 110 km to the east. (The Geco Mine operated from 1957 to 1995 and produced 49.4 Mt at 1.85% Cu, 3.78% Zn and 56.2 g/t Ag (Puumala et al. 2019)).

- 1987: CFC changed its name to Minnova Inc.
- 1988 to 1999: In 1988 Minnova reported the completion of a 741 m shaft with a designed production capacity of 1000 metric tonnes per day. The development and operation of the Winston Lake Mine occurred over an 11- year period and resulted in the production of 3,269,698 t at 1.04% Cu (~53 Mlbs), 14.56% Zn (~900 Mlbs), 32.32 g/t Ag and 1.4 g/t Au (> 50,000 oz) (Puumala et al. 2019).
- 1993: Minnova Inc. was acquired by Metall Mining Corporation. Underground access to the Pick Lake deposit was gained via a 2,200 m drift west from the Winston Lake deposit. This was followed by the development of a 602 m internal shaft or winze (Turcotte and Verschelden 2013).
- 1995: Metall Mining Corporation changed its name to Inmet Mining Corporation. Production from the Pick Lake deposit, which consists of an Upper and Lower zone, was added to the Winston Lake ore feed from 1995 until operations were suspended in December 1998.
- 1999: The Winston Lake Mine operation was closed in February due to very low zinc prices at the time (US$0.42/lb). During the post cessation of mining, Inmet dismantled the processing plant, sold it and began reclamation at the site. As of January 1, 1999, Inmet Mining reported a non-compliant NI 43-101 Proven and Probable ore reserve for the Lower Pick Lake zone, estimated to be 598,000 tonnes at a grade of 1.0% Cu and 21.2% Zn, including a dilution of 33% (Turcotte and Verschelden 2013).
- 2008 to 2010: Orebot Inc. acquired the Pick Lake Claims and completed several exploration programs.
- 2011: The Pick Lake property was optioned to Silvore Fox Minerals Corporation and the company initiated an airborne Versatile Time Domain Electromagnetic (VTEM) survey. Silvore Fox also complete an NI 43-101 Technical Report for the Pick Lake Project, which was released on June 19, 2013 (Turcotte and Verschelden 2013).
- 2013: Inmet Mining Corporation was acquired by First Quantum Minerals Ltd.
- 2017 to 2018: Superior Lake Resources Limited acquired the Pick Lake Licences, optioned the Winston Lake Project and acquired all mining data from First Quantum Minerals (Superior Lake Resources website, May 2020).
- 2018 to 2019: Superior Lake Resources completed geological mapping and lithogeochemical sampling, a Ground TDEM geophysical survey adjacent to the Pick and Winston Lake deposits, a 2,288 m diamond drilling program (cell claim 162598) and Borehole Electromagnetic (BHEM) geophysical surveys.
- 2019: On August 28, Superior Lake Resources released a Bankable Feasibility Study for the Pick – Winston Lake Project, which included new JORC (2012) Mineral Resource and Ore Reserve Estimates (compliant with NI 43-101). (Note: Mineral Resources are inclusive of Ore Reserves). The current Mineral Resource is stated as 2.35 Mt at 17.7% Zn, 0.9% Cu, 0.38 g/t Au and 34 g/t Ag with a Probable Ore Reserve of 1.96 Mt at 13.9% Zn, 0.6% Cu, 0.2g/t Au and 26.2g/t Ag (Superior Lake Resources Limited, News Release, August 28, 2019).

- 2019: During September and October, 3 diamond drill holes for a total of 1944 m, were completed at Pick (1 hole) and Winston (2 holes) Properties.

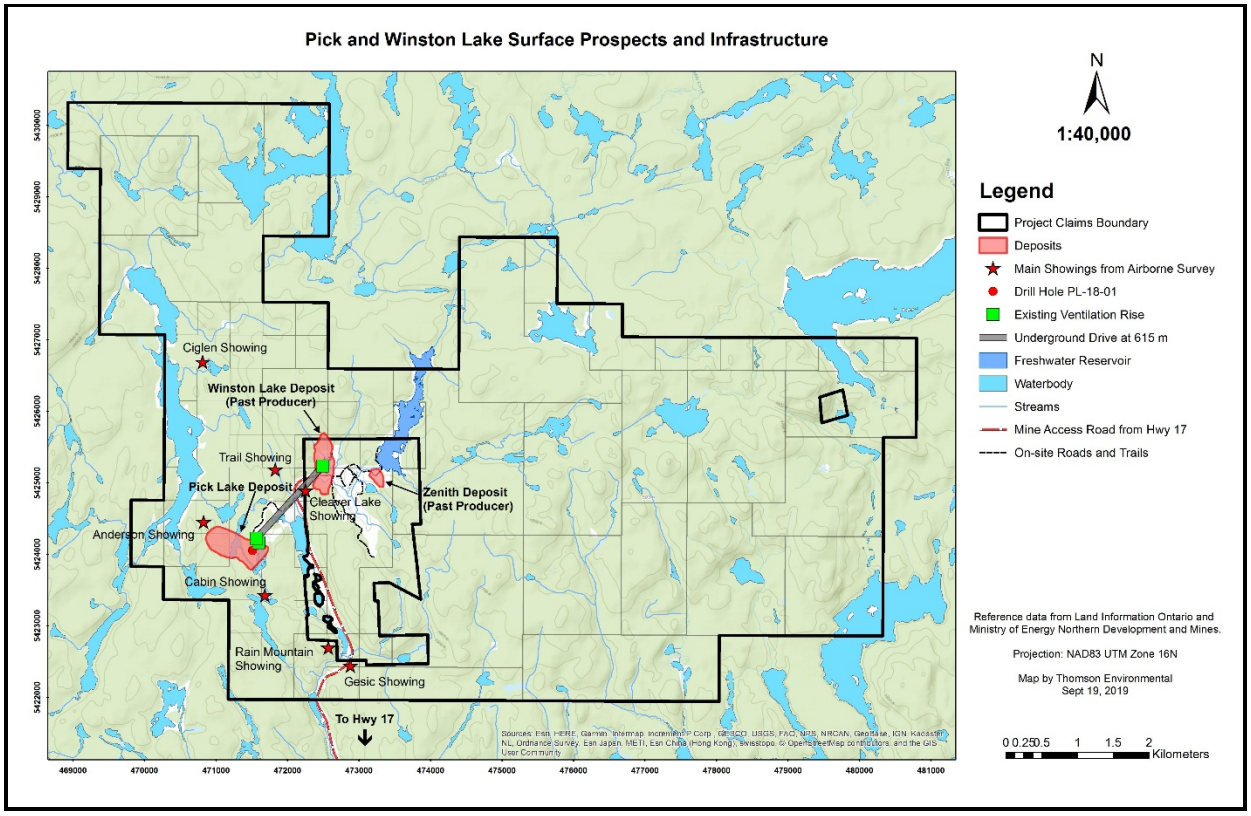


Figure 3 Pick – Winston Lake Property Mineral Occurrences and Prospects

4. GEOLOGICAL SETTING

The Pick – Winston Lake Property is located in the Wawa-Abitibi terrane along the northern margin of the Wawa Subprovince and south of the Quetico metasedimentary basin or subprovince (Figure 4). The subprovinces are part of the much larger Archean-age (3.4 to 2.5 Ga) Superior Province which essentially defines the Canadian Precambrian Shield and forms the core of the North American continent (Figure 5). These continental core rocks represent the oldest and most tectonically stable group of rocks in North America.

The Wawa Subprovince (WSP) is a typical Archean greenstone-granite terrane consisting of primitive ultramafic to felsic volcanic rocks and associated metasedimentary rocks, intruded, and enclosed by granitoid rocks. The WSP contains a series of greenstone belts of similar age (ca. 2.95 to 2.68 Ga) hosting gold, nickel, and zinc deposits. The Winston Lake Greenstone Belt (WLGB), which hosts the Pick Lake and past producing Winston Lake Zn-Cu deposits, is tectonically and stratigraphically equivalent to similar aged greenstone belts (ca 2720 Ma) along the northern margin of the Wawa Subprovince. These include the Vermillion, Shebandowan and Manitouwadge greenstone belts, the latter of which hosts the past producing Geco VMS

deposit (Figure 6). Regional metamorphic grade in the WLGB is lower amphibolite facies (Lodge et al. 2019).

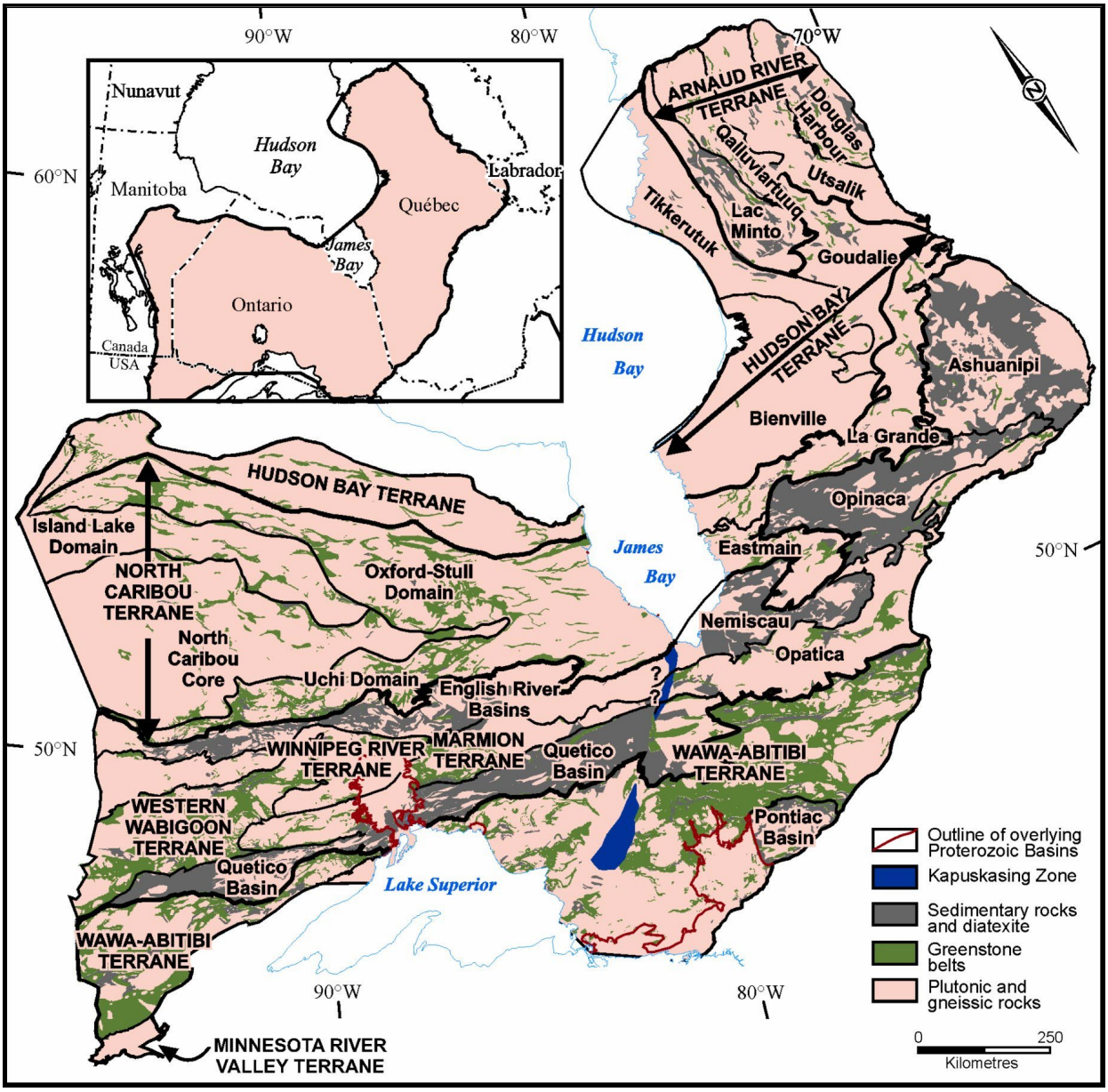


Figure 4 Superior Province within the Canadian Shield showing Subdivisions (Stott 2011)

The Winston Lake Greenstone Belt (Figure 7) is a small belt located directly north of, and almost connected to the Schreiber-Hemlo greenstone belt. The belt is bound to the north by the Quetico Subprovince, to the west by the Winston Lake batholith, and to the south by the Crossman Lake Batholith. Rocks in the western part of the belt that host the past-producing Winston Lake Mine and Pick Lake deposit, were initially interpreted as metasedimentary rocks because of the presence of aluminosilicate minerals (Pye, 1964). They were later interpreted to be hydrothermally altered felsic and mafic volcanic assemblages (Lodge et al. 2019).

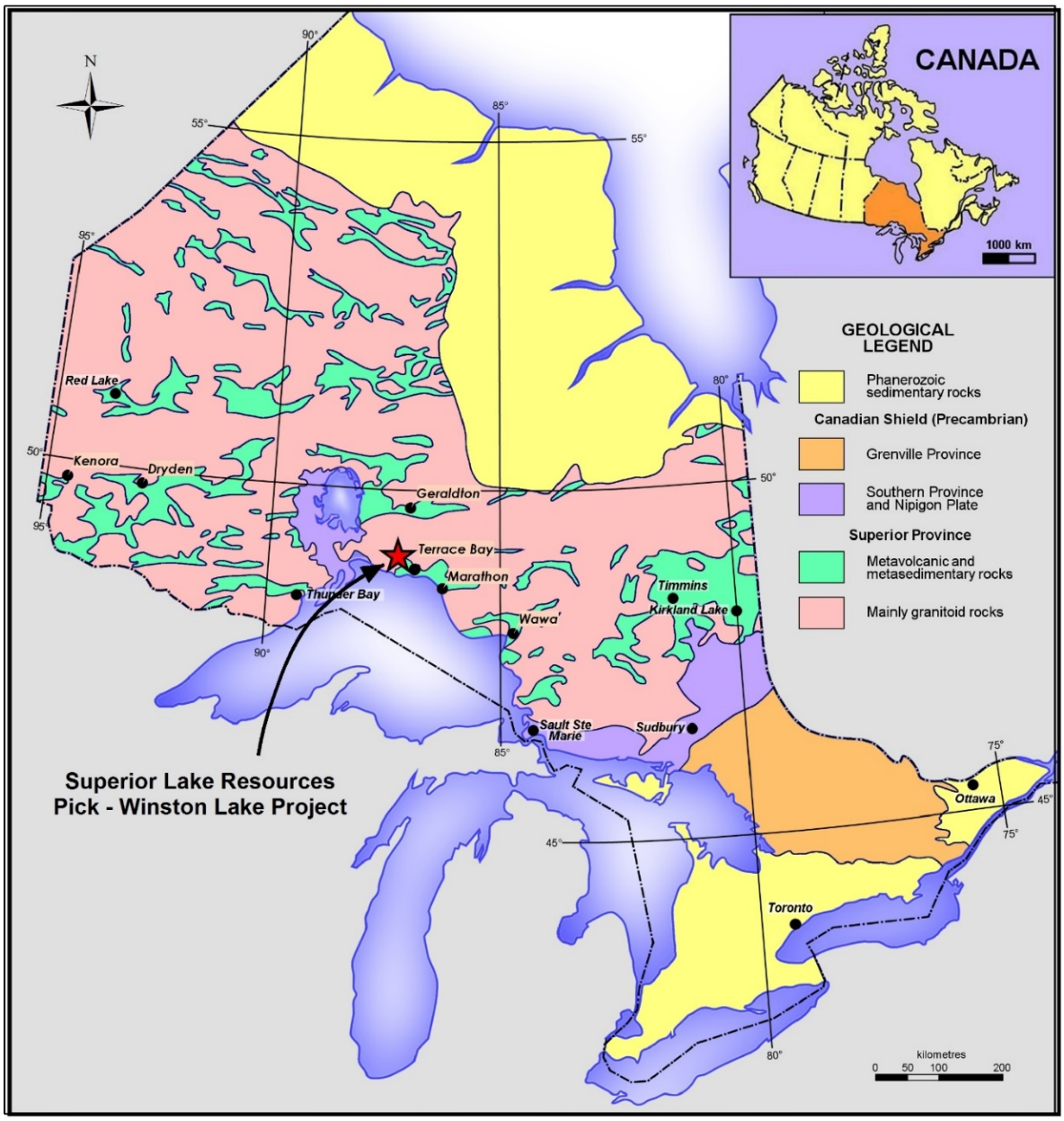


Figure 5 Bedrock Geology Map

The Winston Lake belt has been informally subdivided into two main lithotectonic assemblages: the Winston Lake Assemblage, which occupies the extreme western portion of the belt and the Big Duck Lake Assemblage, a thick mafic unit comprising the eastern and central portions of the belt. The Big Duck Lake Assemblage consists of Mg- to Fe-rich tholeiitic basalts, quartz-feldspar porphyry dykes and sills, and their brecciated equivalents. The Big Duck Lake Assemblage is thought to conformably overly the Winston Lake Assemblage with the contact intruded by a thick differentiated gabbro. The VMS-hosting Winston Lake Assemblage is dominated by felsic volcanic and silica-rich sedimentary rocks. Despite the high degree of metamorphism and deformation in the Winston Lake Assemblage, many primary features are preserved in the

volcanic rocks. Reliable younging directions obtained from pillowed flows and cross-bedding in volcaniclastic rocks suggest an eastward-younging stratigraphy. The Pick Lake VMS deposit is associated with a quartz-feldspar porphyry flow rocks and the Winston Lake VMS deposit is hosted by altered mafic flow and interlayered felsic volcanic units. The differentiated gabbro at the contact between the 2 assemblages hosts the Zn-rich Zenith orebody (Lodge et al. 2019).

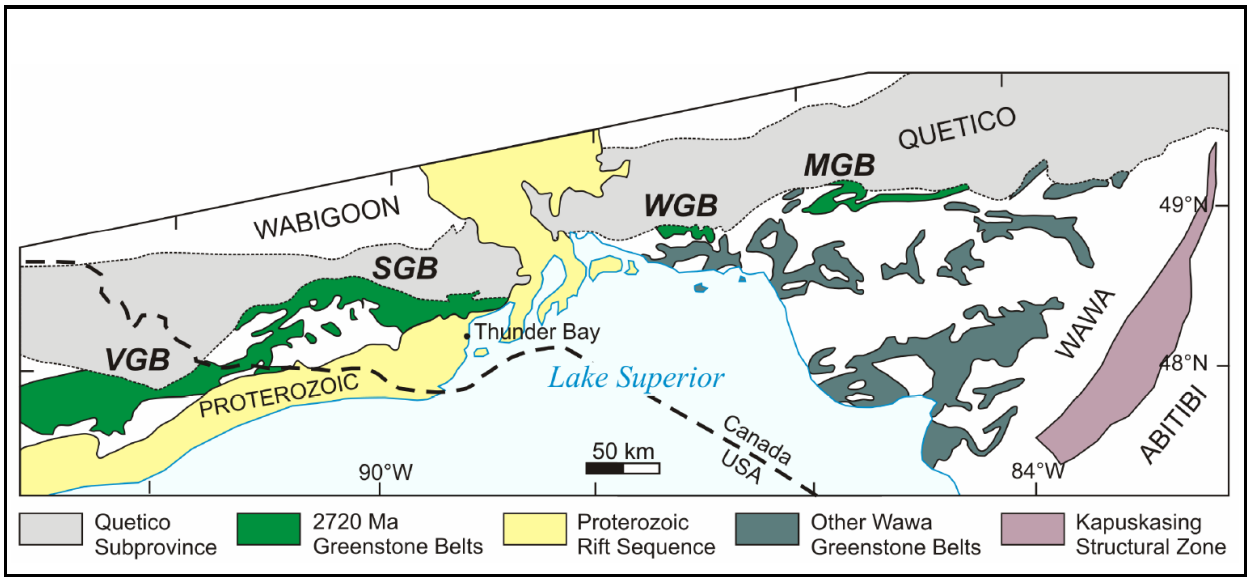


Figure 6 Greenstone Belts in the Northern Wawa Subprovince (Lodge et al. 2019)

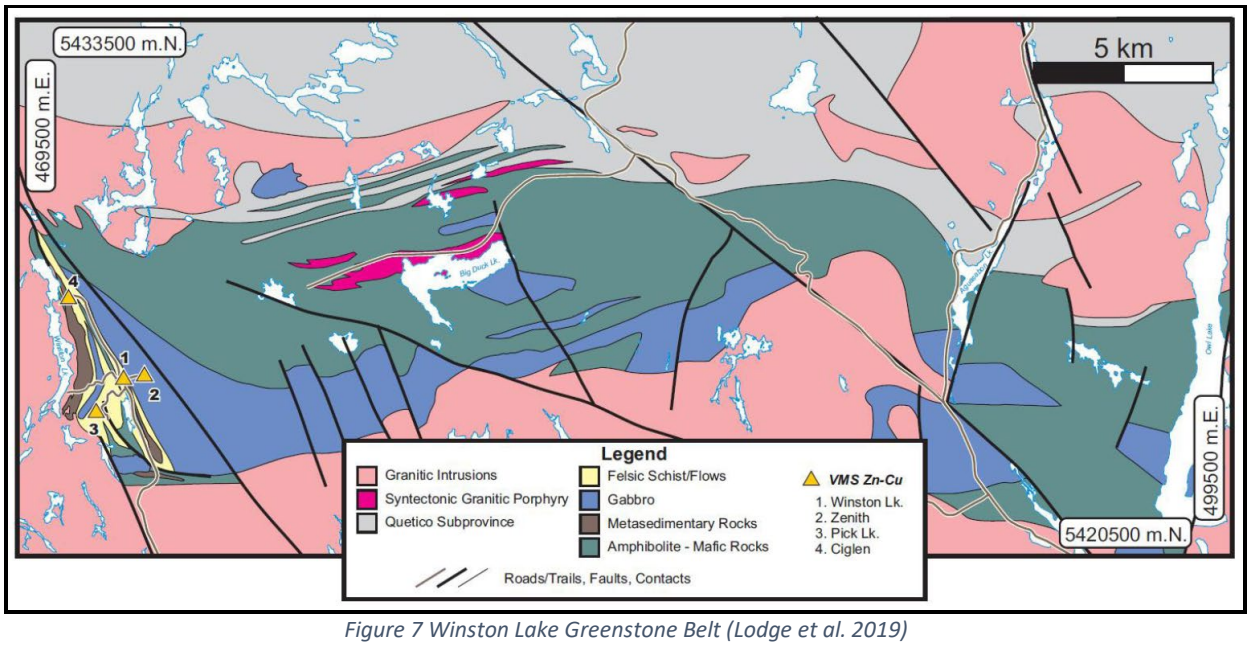


Figure 7 Winston Lake Greenstone Belt (Lodge et al. 2019)

5. MINERALIZATION and ALTERATION

The Pick Lake deposit varies in thickness from 1.5 m to 14 m (averaging between 2 m and 4 m), is between 100 m and 400 m wide, and has a down-plunge extent of approximately 1 km, beginning from a depth of around 500 m (Doiron et al., 1997; Lodge, 2012). It consists predominantly of massive fine to medium grained sphalerite and pyrrhotite with minor chalcopyrite and pyrite, and occurs in sharp contact with metasedimentary rocks of the "Lower Clastic Succession" (Lodge et al. 2014). Doiron et al. (1997) noted the textural differences between the Winston Lake and Pick Lake deposits, and particularly the presence of durchbewegung textures at Pick Lake, indicative of sheared sulfides incorporating clasts of host or wallrock material. The timing of this deformation post-dated the emplacement of granitic dykes related to the intrusion of the granitoid complexes south and west of the Pick Lake deposit. Copper-rich, high-temperature feeder pipes have not been identified at either the Winston Lake or Pick Lake deposits, consistent with the massive sphalerite lenses having been structurally displaced from their original stratigraphic position (Nielsen 2017). Six other known mineral occurrences, located in the west and southwestern portion of the Pick – Winston Lake property (see Figure 3), some mentioned in the previous 'Exploration History' section and described by Turcotte and Verschelden (2013) in a NI 43-101 technical report, are discussed below (Nielsen 2017).

The Ciglen Zn showing lies within the "Lower Clastic Succession" along the western boundary of the property and east of Winston Lake. Turcotte and Verschelden (2013) indicate:

"It lies in and along the hanging-wall side of a narrow band of intimately interbedded garnet-biotite-quartz-feldspar gneiss and garnet-biotite-quartz schist; like these metasediments, it strikes N100W and dips 35° to 45°E. It is up to 17 feet (5.2 m) thick and has been traced along-strike for 180 feet (54.9 m). The mineralization consists of pyrite and pyrrhotite, with some sphalerite and a little chalcopyrite. These sulphides compose 10% to 15% of the deposit and occur as either disseminations in the host rock or thin lenses and layers oriented parallel to the foliation. Associated with the sulphides is considerable fine-grained to medium-grained smoky quartz."

The Anderson Cu-Zn occurrence is also hosted within the "Lower Clastic Succession" and is located approximately 800 m west of the Pick Lake deposit. It is considered by Lodge (2012) to represent the surface expression of the Pick Lake deposit and displays a very strong electromagnetic response. The following description is taken from Turcotte and Verschelden (2013):

"From the drilling results in 1952, it is evident the Anderson occurrence lies within a narrow band of biotite gneiss, which is in part garnetiferous, in the granitic rocks in this locality. It strikes N150-200E and dips southeast. The deposit is a crudely tabular body of gneiss containing some disseminated pyrite and pyrrhotite, a little chalcopyrite, and very small amounts of sphalerite, and exhibiting an occasional stringer of quartz. It is about 40 feet (12.2 m) thick and has been tested by the drill holes over a strike-length of 250 feet (76.2 m). The up-plunge and surface expression of the Pick Lake deposit was identified as the Anderson occurrence."

The Trail occurrence is located approximately 300 m west of the Winston Lake deposit. The following description of the Trail Cu showing is taken from the Ontario Ministry of Energy, Northern Development and Mines online Mineral Deposit Inventory (MDI) data base:

"The Trail occurrence is classed as a VMS deposit. The area is underlain by altered and unaltered mafic metavolcanic rocks as well as minor interflow metasedimentary rocks. Severin and Balint (1984) describe the Trail occurrence as follows: a thin sequence of bedded felsic sediments occurs locally between the base of the Ladder Flow and the underlying quartz feldspar porphyry. In this case, this material is intensely altered to a quartz-cordierite-biotite-anthophyllite-garnet±sillimanite assemblage. The primary bedded nature of the material appears preserved. Anomalous sulphide content is common. The 0.15 m thick chalcopyrite mineralized siliceous horizon carries (up to) 6,230 ppm Cu. The Trail Copper occurrence represents a thin exhalative unit between a mafic metavolcanic flow and the underlying quartz porphyry. The material is siliceous to cherty in nature."

The Creek Cu occurrence is located along Selim Creek approximately 200 m west of the surface expression of the Winston Lake deposit (Smyk and Schnieders, 1995). It consists of a gossan containing pyrite and chalcopyrite hosted by felsic rocks which have been partially altered to biotite-cordierite-anthophyllite.

The Cabin occurrence lies approximately 500 m south of the Pick Lake deposit near the contact between the "Lower Clastic Succession" and mafic flows. Turcotte and Verschelden (2013) describe it as

"...weakly anomalous base metal mineralization at the base of garnet-bearing synvolcanic felsic-derived sediments and/or tuffs and consists of an approximately 1-metre thick highly siliceous pyrrhotite-pyrite rich zone exposed intermittently over approximately 150 metres of strike length."

The Rain Mountain occurrence is located near the southwest boundary of the Pick – Winston Lake property. Very little information is available regarding this showing, but it is presumably enriched in Zn and other metals as it is interpreted to be an exhalative horizon associated with submarine hydrothermal activity (Turcotte and Verschelden, 2013).

ALTERATION

The regional metamorphic grade within the WLGB, as discussed earlier, is lower amphibolite facies. This higher degree of metamorphism vs greenschist facies (i.e. Beardmore-Geraldton and Shebandowan greenstone belts), can often mask or destroy evidence of hydrothermal alteration associated with VMS mineralization. The recognition of metamorphosed hydrothermal alteration played an important role in the discovery of the Winston Lake VMS deposit and later the Pick Lake VMS deposit (Severin, Balint and Sim, 1991). Metamorphosed mafic volcanic rocks in contact with the Zenith Gabbro were observed to have unusual mineral assemblages, including the presence of garnet, cordierite and anthophyllite. These rocks,

through chemical analysis, were also found to be enriched in Zn, K, Mg and Fe, and depleted in Na and Ca, which defined a zone of hydrothermal alteration associated with a downhole pulse EM anomaly. Drilling of this EM anomaly led to the discovery of the Winston Lake deposit (Nielsen 2017).

6. 2019 DIAMOND DRILLING PROGRAM

Superior Lake Resources Limited completed a 2-hole surface diamond drilling program on the Winston Lake Zn-Cu Property from September 2, 2019 to October 26, 2019. A total of 1,242 m of HQ core was drilled in 2 holes – WL-19-02 and WL-19-03 – on the Winston Lake claims. Table 1 details the hole locations.

Table 1 Drill hole locations

Hole Id	Easting	Northing	Elevation	Azimuth	Dip	Depth	Claim
WL-19-02	472650	5424770	471.44	270	-60	549m	PAT-16410
WL-19-03	472860	5424975	456.44	235	-70	693m	LEA-107803
NAD83 Zone 16N							

The drilling was performed by Chibougamau Diamond Drilling Ltd. of Quebec and Appendix 1 contains the diamond drill logs for all core recovered during the program. Cross sections, plans and locations of the drill holes are shown on Figures 2 and 8-10.

Mineralized and altered sections of the diamond drill core were split on site using a diamond saw. A total of 24, 0.25 m to 0.5 m samples, were collected of the massive and semi-massive sulphide sections, including the immediate host rocks from the footwall and hanging wall horizons. All samples were submitted to AGAT Laboratories in Mississauga, Ontario for analysis of the base metal content (Cu, Zn, etc.) and multi-element geochemistry (Appendix 3).

Drill core samples submitted to the AGAT Laboratories in Mississauga were crushed to a nominal 70% passing -2mm, followed by pulverization of a 250 g split to a nominal 85% passing 75 microns. Pulp samples were analyzed for a suite of 58 elements by Inductively Coupled Plasma-Optical Emission Spectroscopy (ICP-OES) or ICP-MS (Inductively Coupled Plasma – Mass Spectroscopy) including Ag, Cu and Zn. Au was analysed by 30 g Fire Assay with an ICP-OES finish and a suite of 14 oxides were analysed by XRF (X-ray fluorescence).

Quality of the samples assayed was controlled by inserting certified standards (OREAS 622) and blank samples which were in addition to the routine QAQC procedures used by the AGAT

Laboratories. The dataset is considered acceptable for use in Mineral Resource estimation by the Competent Person.

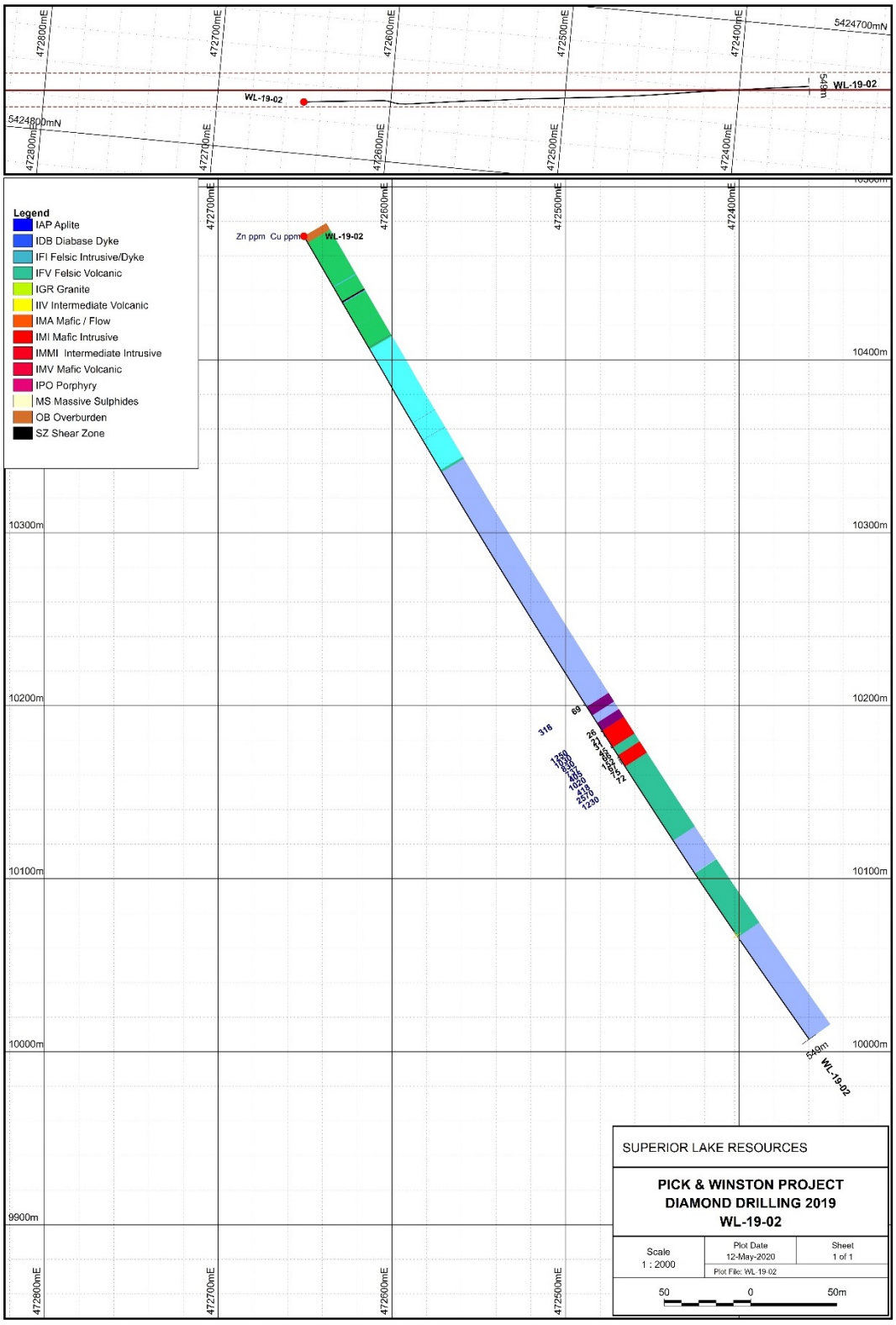


Figure 8 Drill hole WL-19-02 section and plan with Cu & Zn results

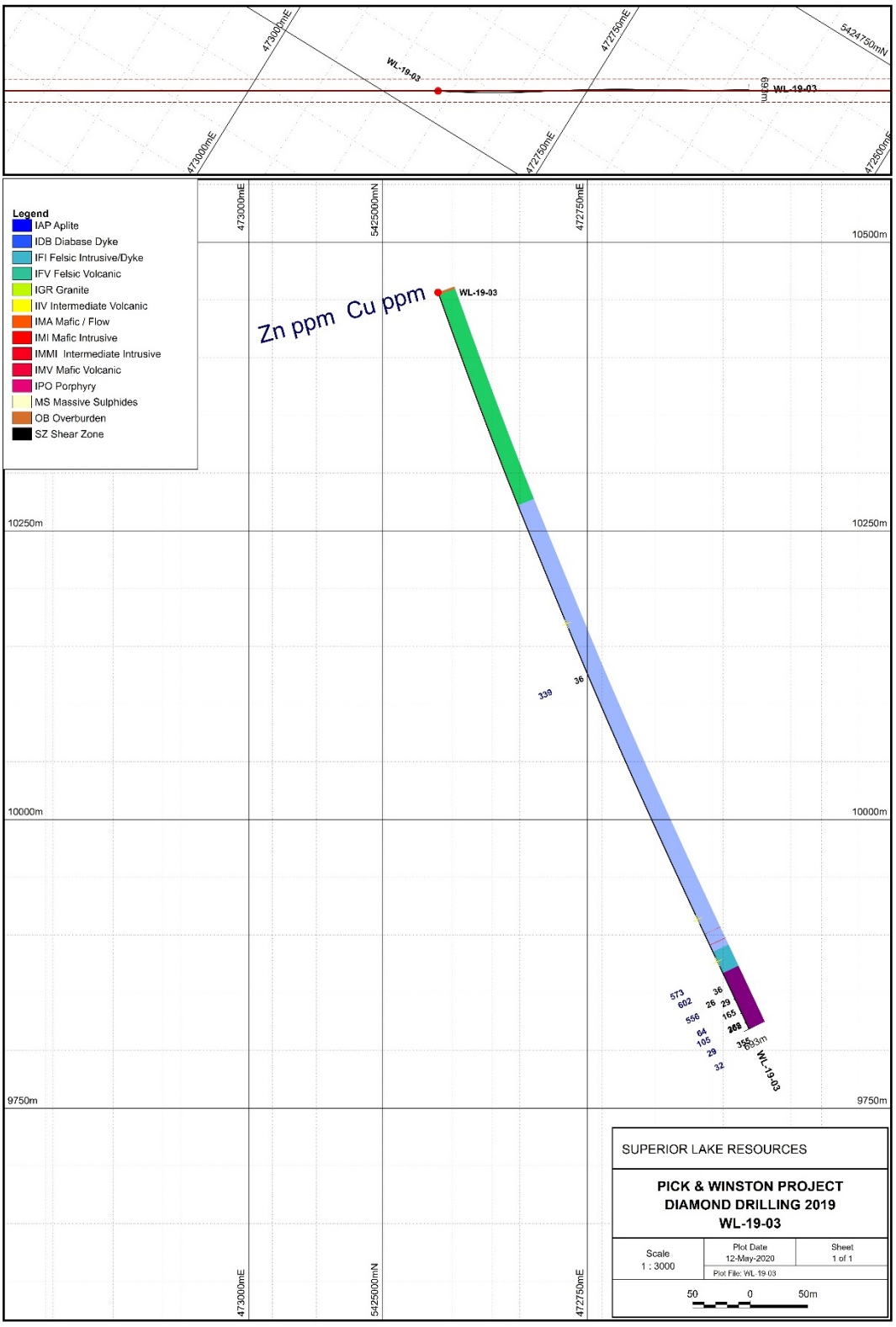


Figure 9 Drill hole WL-19-03 section and plan with Cu & Zn results

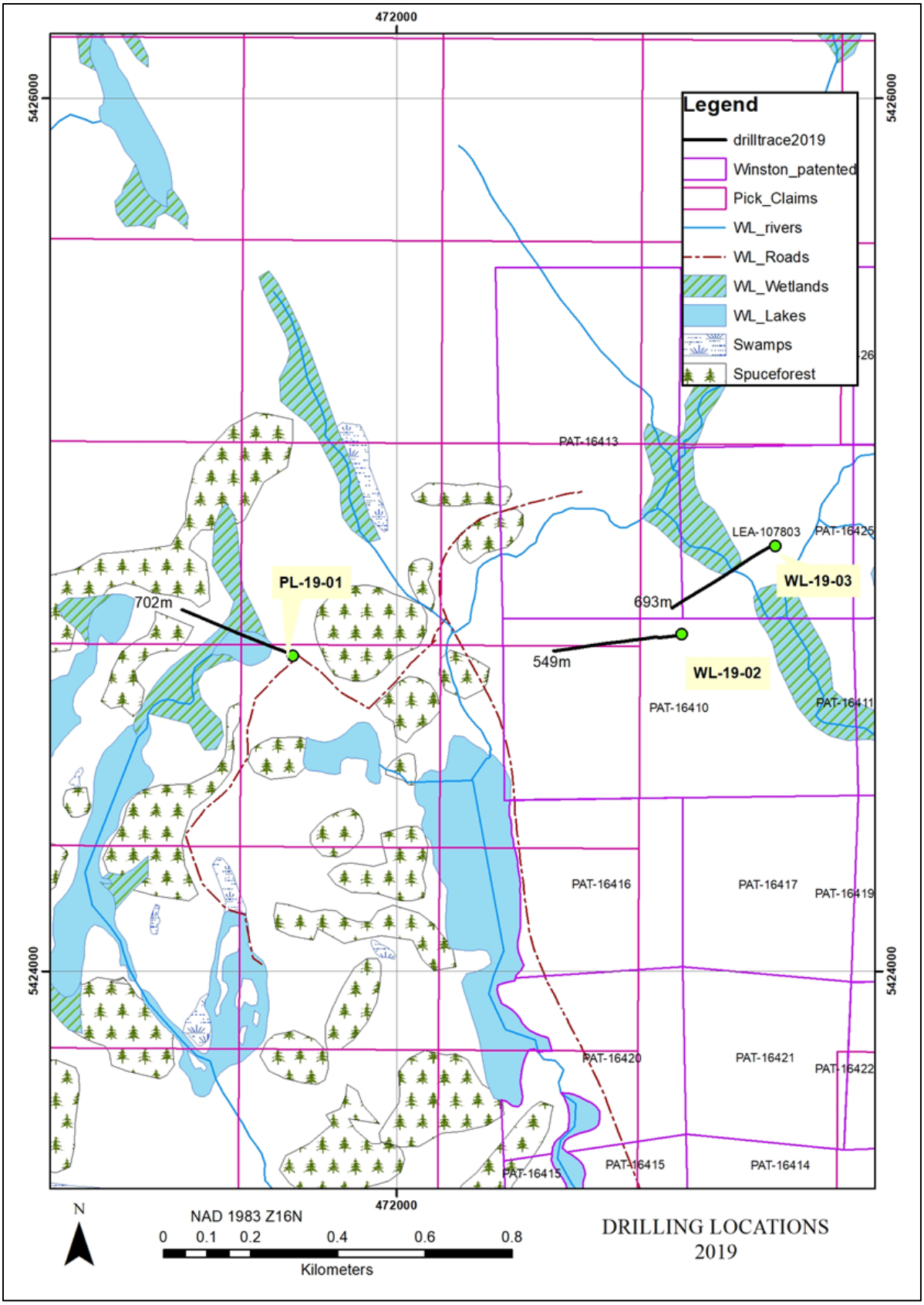


Figure 10 Drill hole locations

7. RESULTS and CONCLUSION

The objectives of the 2019 diamond drilling program on the Winston Lake Property was to follow up and drill test conductors identified in a 2018 TDEM survey. A summary of the holes drilled is provided in Table 2.

Key geochemical results for all drill core samples collected during the 2019 diamond drilling program are provided in Table 3 (see Appendix 3 for complete results).

Table 2 Drill hole Results

Drill Hole Number	Drilling Summary	Massive Sulphides Encountered
WL-19-02	No significant assays	Minor disseminated sulphides intersected
WL-19-03	No significant assays except bottom 1 m of the drill hole	Minor disseminated sulphides intersected

Table 3 Geochemical Results, 2019 Diamond Drill Program

BHID	SAMPLE	FROM	TO	Au PPM	Ag PPM	Cu PPM	Pb PPM	Zn PPM	BATCH
WL-19-02	E6096857	334	334.5	0.005	1	1250	-5	26	19B532286
WL-19-02	E6096858	344.5	345	0.007	1	737	-5	45	19B532286
WL-19-02	E6096859	345	345.5	0.004	2	405	-5	66	19B532286
WL-19-02	E6096860	336.65	337.15	0.007	1	1030	-5	21	19B532286
WL-19-02	E6096861	337.15	337.65	0.014	2	830	-5	31	19B532286
WL-19-02	E6096863	344.5	345	0.005	-1	519	-5	60	19B532286
WL-19-02	E6096864	352	352.5	0.01	-1	1020	-5	152	19B532286
WL-19-02	E6096865	353.5	354	0.015	-1	3640	-5	128	19B532286
WL-19-02	E6096866	354	354.5	0.014	-1	419	-5	110	19B532286
WL-19-02	E6096867	354.5	355	0.011	-1	886	-5	67	19B532286
WL-19-02	E6096868	355	355.5	0.013	-1	418	-5	79	19B532286
WL-19-02	E6096869	355.5	356	0.013	-1	2570	-5	75	19B532286
WL-19-02	E6096870	356	356.5	0.009	-1	1230	-5	72	19B532286
WL-19-03	E6096871	356.5	357	0.003	1	339	-5	36	19B532286
WL-19-03	E6096872	663.5	664	0.007	1	556	-5	29	19B532286
BHID	**SAMPLE**	**FROM**	**TO**	**Au PPM**	**Ag PPM**	**Cu PPM**	**Pb PPM**	**Zn PPM**	**BATCH**
WL-19-03	E6096873	664	664.5	0.008	1	573	-5	26	19B532286
WL-19-03	E6096874	664.5	665	0.006	1	602	-5	36	19B532286
WL-19-03	E6096875	677.75	678.25	0.003	-1	64	-5	165	19B532286
WL-19-03	E6096876	686	686.5	0.018	-1	105	5	268	19B532286
WL-19-03	E6096877	687	687.5	0.005	-1	32	-5	302	19B532286
WL-19-03	E6096878	691.5	692	0.006	-1	29	-5	355	19B532286
WL-19-03	E6096879	992	692.25	1.77	98	4660	21300	102000	19B532286
WL-19-03	E6096880	692.25	692.75	0.003	-1	5	8	29	19B532286
WL-19-03	E6096881	692.75	693	1.75	98	4610	21500	99100	19B532286

8. RECOMMENDATIONS

In conjunction with the 2018 – 2019 drilling program, a Ground EM geophysical survey was completed by the company in the area between the Pick Lake and Winston Lake deposits. Results obtained from this survey indicated the presence of several well-defined conductors. These were targeted during the second phase of diamond drilling undertaken in late 2019. Follow up drilling is required to further outline and locate massive sulphide mineralization.

Continued detailed geological mapping and lithogeochemical sampling focused on the area surrounding the Pick and Winston Lake deposits is also suggested. The identification of hydrothermal alteration patterns associated with VMS mineralization coincident with any EM anomalies, will assist in defining additional diamond drilling targets.

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AUTHOR'S CERTIFICATE

I, David J. Thomson do hereby certify as follows:

1. I am a Registered Professional Forester and consultant to the mining industry, and I reside and carry on a business at 114 Pennock Drive, Rosslyn, Ontario P7K0E1, under Thomson Environmental;

2. That I have the degree of Honors Bachelor of Science in Forestry, 1977, from Lakehead University;

3. That I am a member in good standing of the Ontario Professional Forester's Association (Member No. 1223, effective May 28, 1982):

4. That, as part of my profession, I have been trained in and regularly used Geographic Information (GIS) tools since 2001;

5. That I am the co-author of an assessment report entitled "2018-2019 Diamond Drilling Report, Winston Lake Zn-Cu Property, Pays Plat and Rope Lakes Area, Thunder Bay District, Northwest Ontario, Canada" addressed to Superior Lake Resources Limited, with an effective date of September 30, 2019, and that I am responsible primarily for all maps in the report;

6. That I am Licensed Ontario Prospector (Licence Number 2000085) and regular user of the MLAS system and associated GIS data.

7. That, as at the effective date of the Report, to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the Report not misleading.

Dated at Thunder Bay, Ontario
This 1st day of November 2020

David J. Thomson, R.P.F.

AUTHOR'S CERTIFICATE

I, Gerald Dewar White (Gerry), do hereby certify as follows:

8. I am an independent consulting geologist, and I reside and carry on business at 28 Hill Street South, Thunder Bay, Ontario, P7B 3T5 under Superior Rift Geoconsulting Inc.;

9. That I have the degree of Bachelor of Science in Geology, 1979, from the University of Manitoba;

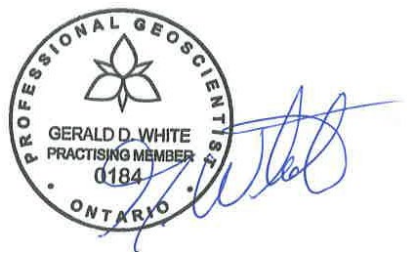
10. That I am a member in good standing of the Professional Geoscientists of Ontario (Member No. 0184, effective June 22, 2002)

11. That I have been practicing my profession in Canada continuously since 1979;

12. That I am the co-author of an assessment report entitled "2018-2019 Diamond Drilling Report, Winston Lake Zn-Cu Property, Pays Plat and Rope Lakes Area, Thunder Bay District, Northwest Ontario, Canada" addressed to Superior Lake Resources Limited, with an effective date of September 30, 2019, and that I am responsible for all sections of this Report;

13. That, as at the effective date of the Report, to the best of my knowledge, information and belief, the Report contains all scientific and technical information that is required to be disclosed to make the Report not misleading.

Dated at Thunder Bay, Ontario
This 1st day of November 2020



Gerald White, BSc., P.Geo.

APPENDIX 1: Drill Logs

GEOLOGICAL CORE LOG

HOLE NO: WL-19-02

CLAIM NUMBER:

PROJECT: Winston/Pic
PROSPECT: Winston South

SUPERIOR LAKE RESOURCES

DRILL CONTRACTOR:	STARTED Sep 26, 2019	FINISHED: Sep. 30, 2019	DEPTH (m):600
LOGGER: R. Ghaderpanah & A.E. Howard	GPS DATA:		AZMTH: 265
EASTING: 472647	NORTHING: 5424702	ELEVATION: 10473.18899	DIP-60

SUPERIOR LAKE RESOURCES

	Depth From (m)	Depth To (m)	Nested From (m)	Nested To (m)	Lithology	Lithology texture	Foliation TCA	Alpha	Beta	Alteration 1	Alteration 2	Alteration 3	Alteration style	Mineral 1	Mineral 2	Mineral 3	Mineral 4	Total %		Notes
	0.00	**4.40**			OB															**OVERBURDEN**
	4.40	**75.60**			GB	Mass-Fol	54	65	310	CL	**C**	Q		Py					3	**GABBRO:** mg, dark green, massive to moderately foliated at 54 d, locally mod- chloritic, local carbonation, wk-solidification, non- magnetic, 1-3% py. Tr- Po, With local fracture fillings. 2 bands of epidote fracture fillings @ 65 d from 11-20m. After 41m the unit turns moe silicified and coarser grained. The contacts are gradational as the metamorphosis has over printed the textures.
			5.00	25.00							**C**									Strong carbonates mainly patchy with local stringers at 55 d.
			33.78	34.32	MD					CL										Mafic Dyke, fg, dark green, massive, non-magnetic, sharp contacts with chill margins, wk- chlorite, no visible sulphides, UC@ 85, LC@ 83.
			43.66	44.55	Shear zone	Sheared	70-85			CL	**Mu**		FF	Py					4	Shear zone, healed, strong muscovite fracture fillings, strong chlorite, 3-4% py, there's an inclusion of Felicity volcanic, perpery texture, UC @ 80, LC@ 75
			44.55	45.13	MD	Mass-Fol		55	320	CL				Py					Tr	Mafic dyke or another puls of Gabbro? Green, fg, massive to wk-Foliated@ 72, wk- chlorite, tr- Py. UC@82, LC@40.
			60.18	60.28	QV															Quartz vein, 10 cm wide, white with chloritic fracture fillings, trace of py very fine grained. Upper and lower contacts are @50 CA.
			74.53	74.73	Breccia					CL		Q		Py					Tr	Breccia, siliceous, light green, trace of fg-py, upper and lower contacts are @50 CA.
	75.60	**156.71**			MF	Mass-fol	65			CL	Q									**MAFIC FLOW:** fg-mg, dark green, local signs of flow in form of foliation at 84 and 96m mark, silicified moderately , mainly massive, wk-mod chloritic throughout, local patchy hornblends , and local gabbroic texture on and off, non magnetic, 1-2% py, trace Cpy/ P.
			116.00	143.00		Mass-Fol	60	65	300	CL	Q			Py					1	Increase in chlorite, local quartz carb veins and stringers, silicified moderately.
			125.00	125.10	FX	Sheered	65			CL										Fault, choritic, minor carbonate, Trace Py.

			136.55	135.66	FX	Fault	55			CL	C								Fault, open space with quartz Fracture fillings, moderate carbonates.
			141.41	146.00						CL	C								Stronger carbonate, mod-chlorite, Tr-2% Cpy spotty and blebby, mainly disseminated.
			144.00	154.00						Q	Mu			Cpy	P.O.	Py				Up to 3% P.O., disseminated Py and Cpy 1%,. Strong mus+Q alteration.
			154.00	156.71		Fol	62			CL	C			Py					1	Stronger foliation with carbonates and stronger chlorite. P to 1% py disseminated. Local bless and fracture fillings.
	156.71	**158.13**			FF	Mass-Fol	70	60	295	CL	EP			Py					2	**FELSIC FLOW:** fg, grey to pinkish grey due to hemetization, few stringers of hematite, clhloritic in the middle of the unit. Massive to mod-floated at 70, up to 2% py disseminated. Upper contact 80, lower contact 70.
	158.13	**317.63**			MF	Mass-Fol	82	65	310	CL	Q			P.O.	Py	Cpy			3	**MAFIC FLOW(S) &/or DIFFERENTIATED GABBRO(?):** fg-mg, green-black, massive to foliated, locally magnetic due to Po &/or Mt. Chloritic with rare epidote stringers, wk- moderate Q, up to 2% po and py, with local fracture filling and pods, but mostly disseminated. Magnetic sections mostly within the massive and chloritised sections. Rare cp blebs and fracture fill. Local intervals rich in amphiboles. Some intrvls coherent w/ plag and pyrxn phenocrysts; others foliated. Some intervals more leucocratic; most are melanocratic (pyrxn-amphbl rich). Core angles and orientations quite variable within (i.e. folding) Likely a number of interflow sedimentary intervals throughout, particularly toward the lower end of this unit.
			170.00	184.00						CL	Epi			Po	Cpy	Py			4	Strongly magnetic interval with higher Po content up to 4%, more Cpy downward, local epidote stringers and locally patchy.
			197.00	-				62	290											
			208.75	-				30	180											
			216.25	-				35	0											
			287.95	-				73	340											
			315.81	316.07				60	290	Hb/Cl	Q	Mu		py				5-7		bedded hyaloclastite/sedimentary interval with py in a few roughly <semi-massive discrete bands, comprising 5-7% of the interval. Near lower end of mafic unit, and top of possible exhalite unit immediately below.
			316.07	317.63						Hb	Q			py				<1		Transition zone: mafic but with quartz and scattered specks of py.
	317.63	**318.70**				M, B		70	180	Q				py				2-3		**EXHALITE HORIZON**. Massive metarphosed chalcedonic quartz (exhalite?), layered/bedded 0.5-1 cm each. Scattered blebs and leaves of py throughout, up to 5% locally.
	318.70	**323.57**				M				Q	Hb	An		py				<1		**MIXED EXHALITIVE-SEDIMENTARY-TUFFACEOUS INTERVAL:** Decreasing exhalite component moving down, terminating in contact with amphibole-rich mafic sediments and then flow.
	325.57	**328.72**								Hb	±Q									**MAFIC SEDIMENT/FLOW:** Fine-grained, sugary amphblt
	328.72	**334.15**				M				Q	Cl			py	po			<5		**EXHALITE HORIZON:** Massive metarphosed chalcedonic quartz (exhalite?), massive to layered/bedded 0.5-1 cm each, with chlorite in between and scattered throughout. Scattered blebs and leaves of py & po, usually together <5-8% locally. Gradational transition into mix with felsic tuff, perhaps the top of a flow (?), as eventually felsic flow-tuff mixture takes over.
	334.15	**345.55**				M,B,F				Q	Cl	Hb		py	po			<5		**MINERALIZED MIXED EXHALITE, TUFF, FELSIC FLOW INTERVAL:** As described above, the proportion of exhalite decreases down the iinterval but chlorite stringers w/ or w/o py±po from mm to cm thcknss and then nearly massive Cl-altered w/ py & po increases along wtih an increasing felsic tuff/flow component (top of flow beneath exhalite?). Sulfides and Cl peter out by 345.55.
	345.55	**351.00**				M				Q	B	P		py				<1		**FELSIC FLOW (&/OR TUFF):** Massive, coherent, not altered and no sulfides. Faint plagioclase phenocrysts.

	351.00	**358.70**				M				Q	B	Cl		po	py			<10-20		**MINERALIZED MIXED EXHALITE, TUFF, FELSIC FLOW INTERVAL:** As described above, with py-po dissmntd to heavily dsssmntd to semi-mssv in places; tuff-exhalite mix, bedded in places & mssv in others w/ some Cl along with sulfides throughout. More po than py in this interval.
			350.60	-				80	270											
			353.60	-				90	n/a											
	358.70	**409.78**				M				Q	Hb,B	Cl		po	py			1-2		**MIXED FELSIC FLOW,TUFF± SEDIMENTARY UNIT:** Massive non-bedded to faintly bedded mix of felsic flow, tuff perhaps with sediments/volcaniclastics, dominated by quartz and biotite with sporadic intervals w/ <1-2% po ±py. Some intervals more quartz-rich, some less so.
			362.90	-				70	270											
	409.78	**432.35**				M				Hb	Cl							<1		**MAFIC FLOWS/INTRUSIVE:** Sheared, chloritic contact zone with possible exhalite then into fgnd to mgnd xlln mafic rock. Flows indicated by fgnd banded/bedded mafic sediments/hyaloclastite btwn much wider intrvls that get increasingly cgnd toward the center.
			426.50	426.70		M				HB	Q			cp				2		A couple of narrow seams of remobilized cp squeezed in, in one case with a narrow1-2 cm Q vein.
			428.95	-				60	330											
	432.35	**477.00**								Q	Hb,B	Cl		py				<1		**MIXED FELSIC FLOW, TUFF±SEDIMENTARY UNIT:** As described above w/ some more mafic tuff-sedimentary intervals.
			437.90	-				60	330											
			462.25	-				50	280											
	477.00	**549.00**								Hb, An	Cl			py				<<1		**MAFIC FLOWS:** Similar to above, but aphanitic-fgnd vs xlln. Becomes more chloritic with depth. Core broken up from 808-810 m.
			474.40	-				70	250											
			533.90					55	310											
	549.00	**-**																		**END OF HOLE**

GEOLOGICAL CORE LOG

HOLE NO: WL-19-03

PROJECT: Winston/Pic PROSPECT: Winston Lake North	SUPERIOR LAKE RESOURCES		
DRILL CONTRACTOR: Chibougamou Drilling	STARTED: 09-10-01		DEPTH (m): 650
LOGGER: A.E. Howard	GPS DATA:		AZIMUTH: 240
EASTING: 472862	NORTHING: 5424970	ELEVATION: 10457.19224	DIP: 70

	Depth From (m)	Depth To (m)	Nested From (m)	Nested To (m)	Lithology	Lithology texture	Foliation TCA	Alpha	Beta	Alteration 1	Alteration 2	Alteration 3	Alteration style	Mineral 1	Mineral 2	Mineral 3	Mineral 4	Total %		Notes
	2.15	**197.00**	**619.07**							Px/Hb	**Q**	Cl		py				<1		**GABBRO-DIORITE (Differentiated Gabbro?):** from medium to coarser grained, coherent with foliation devloped around amphibolitized pyroxene phenocrysts; plagioclase as smaller phenocrysts & in groundmass with occasional minor quartz. Some intervals have enough quartz to be considered diorite, not gabbro. Not magnetic but rarely; rare specks and films of py. It's possible that this is a series of thick flows with fgnd tops and bottoms and xlln centers, and/or one or more layered/differentiated intrusives. Either way, it's mafic, it's unalterd, and it's not mineralized. By 150 m, unit has become persistently m-gnd igneous (mtmrphsd) and gabbroic, sometimes with fltd fabric. Becomes finger grained toward the end, with gradational contact into mafic flows below.
			93.87	95.20	QV	M				Q	**Cl**									Quartz vein from 94.00-94.50 with sheared, chloritized gabbro/mafic flow either side, more so and more sheared on the lower contact.
			116.00	-				55	350											
			136.50	-				60	300											
			151.00	-				50	180											
			179.00	-				45	240											
	197.00	**693.00**								Hb	**P**	Q/Cl						<1		**MAFIC FLOWS/MAFIC INTRUSIVE(S):** Thick, aphanitic to vfgnd, occsnl flow-top breccias, hyaloclastite & minor sedimentary horizons seen in btwn; several smwht slcfd-epdtzd fractures in places. Core quite blocky-broken up from 200-211. No slfds, no mt. From 225 m on becomes prphrtc to m-cgnd - either the middle of a thick flow &/or an intrusive; broken up and sheared from 248-252 m, w/ minor Q-C veining; broken again between 258-260m. Starting around 325 m appears like possible original pyroxenite but by 400 m back to more like mafic flows. Minor po-py from 462-464 m. Some internal folding and areas with more than one weak foliation trend as well as various fracture sets. More leucocratic phase from 410-430 m. By 500 m is massive mgnd gabbro-pyroxenite (intrsv into the flows?).
			362.70	-				65	70											
			370.25	371.00	I	M				Q	P	Hb								Narrow intermdiate dyke.
			389.30	-				65	310											
			467.05	-				70	180											
			602.16	602.40	M	Sheard								py	po			2-3%		1-2 cm wide band of sugary, massive py±po in blocky sheared interval between 602.0-602.5 m, with crumbly Q and minor Cl. Sulfide band at shallow angle to core (20°).

			612.60	613.02	M	Sheared								py	po			3-4		Dssmntd to streaky bands of py-po in heavily fractured interval w/ crumbly Q and minor Cl, also at shallow angle to core (25°). Discrete band <1cm wide.
	619.07	**639.45**			FF	M				Q	B	Hb, Si								**FELSIC FLOW-TUFF UNIT (MAIN FELSIC UNIT?):** Fgnd, massive to faintly bedded, rich in Q w/ lesser B and perhaps some amphiboles. Fgnd sugary, massive, some poor bedding-banding in the uppper portion, perhaps flattened/stretched clasts, but further down no bedding or grain-size gradation.
			620.70	-				65	360											
	639.45	**693.00**								Q	B	Cl		po	py			1-4		**MIXED EXHALITE-TUFF-FLOW-SEDIMENTARY UNI**T: As described in the label with proportions varying on a 1-3 cm bedding/banding basis or more fluid. Po-py specks, flakes and rare <1 cm bands scattered throughout, usually with additional green chlorite.
			654.00					75	30											
			674.10	693.00										po	±py			<10		Bands <7-8 cm wide rich in black Cl & blades of sillimanite (?) w/ <semi-massive po appear in rock w/ proportionately less posisble exhalite versus tuff/sediment.
			672.00	-				70	310											
	693.00																			**END OF HOLE.**

Appendix 2: Table of Mining Claims

TENURE NUM	TITLE TYPE	TITLE_TY_1	DISPOSIT	DISPOSIT_1	AREA_IN HECT	
LEA-107803	LEAS	Lease	MSR	Mining and Surface Rights	15.984	WINSTON LAKE
LEA-107804	LEAS	Lease	MSR	Mining and Surface Rights	16.377	WINSTON LAKE
MLO-12318	MLO	Mining Licence of Occupation	MR	Mining Rights	14.31	WINSTON LAKE
PAT-15667	PATN	Patent	MR	Mining Rights	4.452	WINSTON LAKE
PAT-15668	PATN	Patent	MR	Mining Rights	16.187	WINSTON LAKE
PAT-15669	PATN	Patent	MR	Mining Rights	14.569	WINSTON LAKE
PAT-15670	PATN	Patent	MR	Mining Rights	18.211	WINSTON LAKE
PAT-15671	PATN	Patent	MR	Mining Rights	16.187	WINSTON LAKE
PAT-15672	PATN	Patent	MR	Mining Rights	8.094	WINSTON LAKE
PAT-16059	PATN	Patent	MSR	Mining and Surface Rights	14.366	BIG DUCK LAKE
PAT-16081	PATN	Patent	MSR	Mining and Surface Rights	18.575	BIG DUCK LAKE
PAT-16082	PATN	Patent	MSR	Mining and Surface Rights	19.101	BIG DUCK LAKE
PAT-16083	PATN	Patent	MSR	Mining and Surface Rights	16.997	BIG DUCK LAKE
PAT-16410	PATN	Patent	MSR	Mining and Surface Rights	31.97	WINSTON LAKE
PAT-16411	PATN	Patent	MSR	Mining and Surface Rights	32.375	WINSTON LAKE
PAT-16412	PATN	Patent	MSR	Mining and Surface Rights	32.375	WINSTON LAKE
PAT-16413	PATN	Patent	MSR	Mining and Surface Rights	31.97	WINSTON LAKE
PAT-16414	PATN	Patent	MSR	Mining and Surface Rights	13.699	WINSTON LAKE
PAT-16415	PATN	Patent	MSR	Mining and Surface Rights	13.723	WINSTON LAKE
PAT-16416	PATN	Patent	MSR	Mining and Surface Rights	13.355	WINSTON LAKE
PAT-16417	PATN	Patent	MSR	Mining and Surface Rights	15.661	WINSTON LAKE

PAT-16418	PATN	Patent	MSR	Mining and Surface Rights	20.789	WINSTON LAKE
PAT-16419	PATN	Patent	MSR	Mining and Surface Rights	14.188	WINSTON LAKE
PAT-16420	PATN	Patent	MSR	Mining and Surface Rights	12.804	WINSTON LAKE
PAT-16421	PATN	Patent	MSR	Mining and Surface Rights	14.055	WINSTON LAKE
PAT-16422	PATN	Patent	MSR	Mining and Surface Rights	13.897	WINSTON LAKE
PAT-16423	PATN	Patent	MSR	Mining and Surface Rights	18.672	WINSTON LAKE
PAT-16424	PATN	Patent	MSR	Mining and Surface Rights	12.4	WINSTON LAKE
PAT-16425	PATN	Patent	MSR	Mining and Surface Rights	16.179	WINSTON LAKE
PAT-16426	PATN	Patent	MSR	Mining and Surface Rights	16.119	WINSTON LAKE
PAT-16640	PATN	Patent	MSR	Mining and Surface Rights	19.506	BIG DUCK LAKE
PAT-16641	PATN	Patent	MSR	Mining and Surface Rights	16.592	BIG DUCK LAKE
PAT-16642	PATN	Patent	MSR	Mining and Surface Rights	14.973	BIG DUCK LAKE
PAT-29851	PATN	Patent	MSR	Mining and Surface Rights	15.338	BIG DUCK LAKE
PAT-29852	PATN	Patent	MSR	Mining and Surface Rights	14.852	BIG DUCK LAKE
PAT-46077	PATN	Patent	MSR	Mining and Surface Rights	26.466	BIG DUCK LAKE

Appendix 3: Assay Certificates

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

CLIENT NAME: MISC AGAT CLIENT ON
LEVEL 1 EMERALD HOUSE, 1202 HAY STREET
WEST OERTH, WA, AUSTRALIA 6005
(611) 704

ATTENTION TO: Avrom E. Howard

PROJECT: SLR001

AGAT WORK ORDER: 19B532286

SOLID ANALYSIS REVIEWED BY: Kevin Motomura, Data Review Supervisor

DATE REPORTED: Nov 06, 2019

PAGES (INCLUDING COVER): 24

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

NOTES

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

AGAT Laboratories

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

Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

(200-) Sample Login Weight

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Sample Login Weight
Unit:	kg
Sample ID (AGAT ID) RDL:	0.01
E6096857 (627816)	0.83
E6096858 (627817)	0.64
E6096859 (627818)	0.52
E6096860 (627819)	0.73
E6096861 (627820)	0.55
E6096863 (627822)	0.72
E6096864 (627823)	0.73
E6096865 (627824)	0.53
E6096866 (627825)	0.66
E6096867 (627826)	0.64
E6096868 (627827)	0.70
E6096869 (627828)	0.51
E6096870 (627829)	0.54
E6096871 (627830)	0.65
E6096872 (627831)	0.54
E6096873 (627832)	0.66
E6096874 (627833)	0.64
E6096875 (627834)	0.66
E6096876 (627835)	0.68
E6096877 (627836)	0.69
E6096878 (627837)	0.79
E6096879 (627838)	0.10
E6096880 (627839)	0.35
E6096881 (627840)	0.10

Certified By:

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

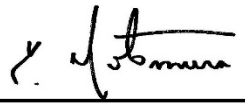
(200-) Sample Login Weight

DATE SAMPLED: Oct 17, 2019	DATE RECEIVED: Oct 18, 2019	DATE REPORTED: Nov 06, 2019	SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Thunder Bay (unless marked by *)

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.01	5	20	0.5	5	0.1	0.05	0.2	0.1	0.5	0.005	0.1	5
E6096857 (627816)	1	4.97	<5	26	39.0	<5	0.4	0.83	<0.2	132	107	<0.005	0.4	1250
E6096858 (627817)	1	5.89	7	37	84.5	<5	0.7	1.67	<0.2	172	248	<0.005	1.2	737
E6096859 (627818)	2	7.76	25	49	116	<5	0.7	3.68	<0.2	2120	153	<0.005	1.4	405
E6096860 (627819)	1	5.01	10	34	57.7	<5	0.5	0.89	<0.2	36.7	257	<0.005	1.0	1030
E6096861 (627820)	2	5.14	20	26	60.5	<5	0.5	1.51	<0.2	22.2	139	<0.005	0.4	830
E6096863 (627822)	<1	6.05	<5	37	175	<5	0.4	1.39	<0.2	14.0	133	0.011	1.6	519
E6096864 (627823)	<1	4.66	<5	51	174	<5	0.6	1.03	<0.2	8.8	119	0.011	1.1	1020
E6096865 (627824)	<1	6.12	<5	46	340	<5	0.6	0.80	<0.2	21.8	89.2	0.014	0.5	3640
E6096866 (627825)	<1	6.63	<5	26	253	<5	0.3	1.30	<0.2	24.2	66.0	0.015	0.8	419
E6096867 (627826)	<1	4.09	<5	39	147	<5	0.4	0.88	<0.2	7.9	95.5	0.011	0.7	886
E6096868 (627827)	<1	6.04	<5	37	206	<5	0.5	1.30	<0.2	15.1	166	0.011	0.8	418
E6096869 (627828)	<1	3.77	<5	61	106	<5	0.9	0.83	<0.2	22.6	165	0.010	0.5	2570
E6096870 (627829)	<1	5.17	<5	37	200	<5	0.4	1.34	<0.2	8.4	103	0.012	0.6	1230
E6096871 (627830)	1	5.49	<5	20	80.1	<5	0.2	2.51	<0.2	54.6	65.6	<0.005	0.4	339
E6096872 (627831)	1	5.42	<5	29	119	<5	0.4	1.13	<0.2	69.9	128	<0.005	0.5	556
E6096873 (627832)	1	5.41	<5	24	109	<5	0.2	1.12	<0.2	67.1	72.6	<0.005	0.4	573
E6096874 (627833)	1	5.21	<5	27	101	<5	0.3	1.67	<0.2	119	110	<0.005	0.3	602
E6096875 (627834)	<1	5.79	11	<20	205	<5	0.8	0.47	<0.2	1090	29.3	0.012	1.9	64
E6096876 (627835)	<1	7.83	13	41	198	<5	14.2	0.67	<0.2	1240	101	0.017	0.9	105
E6096877 (627836)	<1	8.80	7	34	165	<5	1.4	0.43	<0.2	681	20.0	0.018	0.7	32
E6096878 (627837)	<1	7.34	13	38	127	<5	3.7	0.69	<0.2	1160	20.5	0.015	0.7	29
E6096879 (627838)	98	5.50	120	50	2210	<5	5.2	2.07	446	36.8	37.4	<0.005	1.8	4660
E6096880 (627839)	<1	0.18	<5	<20	18.0	<5	0.2	<0.05	<0.2	4.8	0.7	0.005	0.2	5
E6096881 (627840)	98	5.43	107	47	2200	<5	5.0	2.03	443	34.9	36.9	<0.005	1.8	4610

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Dy	Er	Eu	Fe	Ga	Gd	Ge	Hf	Ho	In	K	La	Li	Lu
Unit:	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.05	0.05	0.05	0.01	0.01	0.05	1	1	0.05	0.2	0.05	0.1	10	0.05
E6096857 (627816)	18.2	13.0	2.42	4.61	19.7	16.4	1	18	4.03	<0.2	0.16	59.3	<10	2.20
E6096858 (627817)	25.1	21.0	2.41	9.27	33.1	19.8	2	22	6.24	<0.2	1.00	78.5	<10	3.48
E6096859 (627818)	90.6	39.2	15.0	11.8	59.4	154	4	32	15.3	<0.2	1.43	1050	<10	5.32
E6096860 (627819)	15.8	12.8	1.46	7.58	21.5	10.2	1	19	3.83	<0.2	0.45	15.6	<10	2.36
E6096861 (627820)	26.0	20.2	1.40	5.81	23.3	13.8	1	19	6.24	<0.2	0.49	8.3	<10	3.12
E6096863 (627822)	2.94	1.64	1.19	8.20	26.3	3.11	4	2	0.59	<0.2	1.22	5.4	16	0.23
E6096864 (627823)	1.30	0.78	1.21	12.8	27.9	1.50	2	2	0.26	<0.2	0.99	3.3	<10	0.13
E6096865 (627824)	2.10	1.27	2.52	12.0	17.0	2.60	2	2	0.44	<0.2	1.31	9.5	<10	0.18
E6096866 (627825)	2.47	1.47	1.75	5.48	17.6	2.84	2	2	0.50	<0.2	1.45	10.2	15	0.21
E6096867 (627826)	2.50	2.22	1.22	8.69	11.0	1.86	1	1	0.64	<0.2	0.81	3.0	10	0.33
E6096868 (627827)	2.82	2.07	1.88	8.18	18.5	2.46	2	2	0.65	<0.2	1.10	6.0	<10	0.30
E6096869 (627828)	3.15	2.38	1.42	16.7	12.9	3.13	1	1	0.74	<0.2	0.69	9.3	13	0.34
E6096870 (627829)	1.47	1.07	1.15	6.44	11.9	1.52	1	1	0.33	<0.2	1.01	3.0	<10	0.16
E6096871 (627830)	33.5	24.1	1.55	4.13	25.5	23.2	2	20	7.57	<0.2	0.54	20.6	<10	3.55
E6096872 (627831)	39.6	28.8	2.40	6.66	19.5	25.4	1	20	9.04	<0.2	0.84	27.2	<10	4.14
E6096873 (627832)	31.7	22.2	2.03	4.11	18.2	21.3	1	19	7.12	<0.2	0.68	26.7	<10	3.15
E6096874 (627833)	36.7	25.5	2.09	6.43	19.7	26.2	1	18	8.21	<0.2	0.68	47.5	<10	3.48
E6096875 (627834)	22.7	7.59	4.78	3.86	22.8	60.7	2	2	3.44	<0.2	2.12	510	22	0.69
E6096876 (627835)	29.7	10.9	6.25	11.3	27.6	71.0	2	2	4.68	<0.2	0.83	561	20	1.06
E6096877 (627836)	20.7	9.49	3.70	8.85	24.8	39.3	1	2	3.67	<0.2	0.76	306	27	0.97
E6096878 (627837)	27.0	8.31	7.07	10.4	32.0	76.1	3	2	3.89	0.2	0.60	544	22	0.84
E6096879 (627838)	2.15	1.23	1.00	4.15	24.4	2.86	5	3	0.41	4.5	1.79	19.1	<10	0.17
E6096880 (627839)	0.44	0.28	<0.05	0.43	0.43	0.38	1	<1	0.09	<0.2	<0.05	1.9	<10	<0.05
E6096881 (627840)	2.08	1.13	0.95	4.10	24.2	2.61	5	3	0.40	4.6	1.76	18.3	<10	0.19

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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Mg	Mn	Mo	Nb	Nd	Ni	P	Pb	Pr	Rb	S	Sb	Sc	Si
Unit:	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.01	10	2	1	0.1	5	0.01	5	0.05	0.2	0.01	0.1	5	0.01
E6096857 (627816)	0.20	98	6	39	67.8	19	0.02	<5	15.8	6.4	1.99	<0.1	<5	34.1
E6096858 (627817)	1.03	220	5	46	90.5	<5	0.03	<5	21.1	50.9	3.65	0.5	<5	27.4
E6096859 (627818)	1.47	368	4	53	1050	<5	0.08	<5	272	79.6	2.07	<0.1	<5	22.1
E6096860 (627819)	0.40	106	7	32	23.3	12	0.01	<5	4.79	23.3	3.58	<0.1	<5	32.1
E6096861 (627820)	0.73	171	7	53	16.5	6	0.03	<5	3.10	18.8	2.13	<0.1	<5	32.2
E6096863 (627822)	1.32	241	5	3	8.8	66	0.06	<5	1.82	40.3	2.82	<0.1	10	29.2
E6096864 (627823)	0.71	350	7	2	5.2	36	0.06	<5	1.07	30.4	3.90	<0.1	8	29.0
E6096865 (627824)	0.57	257	6	2	12.0	68	0.06	<5	2.65	23.5	6.48	<0.1	12	26.2
E6096866 (627825)	1.22	332	6	2	13.7	50	0.06	<5	2.99	35.2	1.84	<0.1	13	30.3
E6096867 (627826)	0.53	162	8	2	4.5	66	0.03	<5	0.94	21.6	4.66	<0.1	11	32.6
E6096868 (627827)	0.89	197	5	3	8.4	61	0.05	<5	1.84	27.5	4.41	<0.1	11	29.2
E6096869 (627828)	0.85	180	9	2	13.0	150	0.04	<5	2.87	18.0	9.53	<0.1	9	26.9
E6096870 (627829)	0.58	195	6	2	4.9	42	0.04	<5	1.02	38.6	3.07	<0.1	17	32.2
E6096871 (627830)	1.74	322	5	37	42.7	<5	0.01	<5	7.90	18.4	0.82	<0.1	<5	33.0
E6096872 (627831)	0.95	130	8	41	48.7	<5	0.01	<5	9.79	27.3	3.14	<0.1	6	32.1
E6096873 (627832)	0.90	138	7	39	44.8	<5	0.01	<5	9.12	21.5	1.59	<0.1	5	33.3
E6096874 (627833)	1.41	237	6	34	72.7	<5	0.02	<5	15.9	21.3	2.61	<0.1	11	31.4
E6096875 (627834)	3.98	339	28	3	518	39	0.06	<5	127	54.0	0.27	<0.1	12	31.0
E6096876 (627835)	7.12	1500	4	2	604	149	0.06	5	147	17.2	2.34	<0.1	28	21.8
E6096877 (627836)	7.86	1550	3	2	314	26	0.05	<5	76.9	15.0	0.04	<0.1	27	22.6
E6096878 (627837)	7.87	2210	2	2	609	42	0.06	<5	144	14.1	0.01	<0.1	26	23.2
E6096879 (627838)	0.56	581	18	5	15.8	27	0.03	21300	3.98	53.4	7.38	203	7	23.9
E6096880 (627839)	0.02	37	9	<1	1.7	<5	<0.01	8	0.48	2.0	<0.01	<0.1	<5	43.8
E6096881 (627840)	0.55	573	17	5	15.0	24	0.03	21500	3.76	52.9	7.43	198	6	23.4

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5623 McADAM ROAD
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CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Sm	Sn	Sr	Ta	Tb	Th	Ti	Tl	Tm	U	V	W	Y	Yb
Unit:	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.1	1	0.1	0.5	0.05	0.1	0.01	0.5	0.05	0.05	5	1	0.5	0.1
E6096857 (627816)	13.9	2	98.0	2.1	2.84	6.1	0.14	<0.5	1.98	2.05	<5	<1	117	14.1
E6096858 (627817)	18.2	3	66.5	1.9	3.62	7.9	0.18	<0.5	3.27	3.09	<5	<1	182	22.8
E6096859 (627818)	187	4	103	2.9	20.2	15.6	0.25	<0.5	5.23	4.16	10	<1	443	35.9
E6096860 (627819)	6.7	2	90.9	1.8	2.10	4.8	0.16	<0.5	2.10	1.89	6	<1	113	15.0
E6096861 (627820)	6.7	3	85.4	2.1	3.35	4.9	0.15	<0.5	3.14	2.31	<5	<1	184	20.9
E6096863 (627822)	2.4	1	130	<0.5	0.49	1.4	0.22	<0.5	0.24	0.36	100	<1	16.1	1.6
E6096864 (627823)	1.3	6	100	<0.5	0.21	0.9	0.20	<0.5	0.12	0.27	79	<1	8.3	0.8
E6096865 (627824)	2.6	19	56.1	<0.5	0.38	1.1	0.26	<0.5	0.18	0.30	99	<1	14.0	1.2
E6096866 (627825)	2.9	7	99.1	<0.5	0.44	1.1	0.29	<0.5	0.21	0.32	107	<1	14.6	1.4
E6096867 (627826)	1.2	4	84.8	<0.5	0.35	0.6	0.18	<0.5	0.33	0.22	71	<1	24.1	2.2
E6096868 (627827)	2.1	4	106	<0.5	0.42	1.3	0.27	<0.5	0.30	0.39	95	<1	21.4	2.0
E6096869 (627828)	2.8	2	63.0	<0.5	0.50	1.0	0.18	<0.5	0.35	0.26	89	<1	25.7	2.3
E6096870 (627829)	1.3	<1	112	<0.5	0.24	0.8	0.23	<0.5	0.15	0.23	111	<1	10.4	1.1
E6096871 (627830)	15.0	<1	110	2.0	4.69	6.3	0.16	<0.5	3.66	2.05	<5	<1	225	24.3
E6096872 (627831)	15.1	<1	114	2.0	5.39	7.3	0.20	<0.5	4.28	1.86	<5	<1	264	28.3
E6096873 (627832)	12.6	<1	101	1.9	4.45	7.2	0.19	<0.5	3.34	1.95	<5	<1	203	21.8
E6096874 (627833)	17.7	1	108	1.8	5.37	7.5	0.17	<0.5	3.80	1.80	5	<1	237	24.2
E6096875 (627834)	79.9	3	47.6	<0.5	6.38	0.8	0.25	<0.5	0.88	0.31	91	<1	116	5.4
E6096876 (627835)	92.2	2	11.9	<0.5	7.84	1.2	0.35	<0.5	1.30	0.40	187	<1	173	8.2
E6096877 (627836)	48.8	<1	13.1	<0.5	4.71	1.1	0.40	<0.5	1.24	0.29	174	<1	140	7.5
E6096878 (627837)	100	1	16.3	<0.5	7.98	1.2	0.32	<0.5	0.98	0.35	157	<1	132	6.3
E6096879 (627838)	3.1	61	60.3	<0.5	0.41	5.2	0.18	3.5	0.18	1.53	41	3	11.6	1.2
E6096880 (627839)	0.4	<1	3.3	<0.5	0.06	0.9	0.01	<0.5	<0.05	0.31	<5	<1	2.6	0.3
E6096881 (627840)	2.9	59	58.3	<0.5	0.39	5.0	0.18	3.2	0.17	1.47	40	3	11.4	1.2

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

Certificate of Analysis

AGAT WORK ORDER: 19B532286
PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Zn	Zr
Unit:	ppm	ppm
Sample ID (AGAT ID) RDL:	5	0.5
E6096857 (627816)	26	587
E6096858 (627817)	45	778
E6096859 (627818)	66	1110
E6096860 (627819)	21	620
E6096861 (627820)	31	631
E6096863 (627822)	60	81.7
E6096864 (627823)	152	64.2
E6096865 (627824)	128	65.9
E6096866 (627825)	110	75.0
E6096867 (627826)	67	45.3
E6096868 (627827)	79	96.5
E6096869 (627828)	75	56.1
E6096870 (627829)	72	51.8
E6096871 (627830)	36	649
E6096872 (627831)	29	662
E6096873 (627832)	26	620
E6096874 (627833)	36	563
E6096875 (627834)	165	58.0
E6096876 (627835)	268	61.7
E6096877 (627836)	302	66.8
E6096878 (627837)	355	65.5
E6096879 (627838)	102000	126
E6096880 (627839)	29	32.0
E6096881 (627840)	99100	123

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TEL (905)501-9998
FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019	DATE RECEIVED: Oct 18, 2019	DATE REPORTED: Nov 06, 2019	SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Toronto (unless marked by *)

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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	Al2O3	BaO	CaO	Cr2O3	Fe2O3	K2O	MgO	MnO	Na2O	P2O5	SiO2	TiO2	SrO	V2O5
Unit:	%	%	%	%	%	%	%	%	%	%	%	%	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
														2
														1
														1
														1
														1
														3
E6096857 (627816)	9.51	0.02	1.17	<0.01	6.51	0.19	0.34	0.02	4.67	0.06	73.2	0.25	<0.01	<0.01
E6096858 (627817)	11.6	0.03	2.40	<0.01	13.3	1.18	1.79	0.03	5.16	0.08	61.3	0.31	<0.01	<0.01
E6096859 (627818)	15.4	0.22	5.25	<0.01	16.9	1.64	2.64	0.04	5.77	0.19	48.3	0.42	<0.01	<0.01
E6096860 (627819)	9.81	<0.01	1.24	<0.01	10.5	0.52	0.69	0.02	4.67	0.04	68.2	0.27	<0.01	<0.01
E6096861 (627820)	10.4	<0.01	2.20	<0.01	8.46	0.58	1.25	0.02	4.80	0.06	72.2	0.26	<0.01	<0.01
E6096863 (627822)	12.0	0.02	2.01	0.02	11.9	1.42	2.26	0.03	3.29	0.13	64.4	0.38	<0.01	0.02
E6096864 (627823)	9.23	0.01	1.45	0.02	18.5	1.14	1.24	0.05	3.05	0.15	63.0	0.35	<0.01	0.01
E6096865 (627824)	12.2	0.04	1.15	0.02	17.2	1.57	1.01	0.04	4.78	0.14	58.3	0.45	<0.01	0.02
E6096866 (627825)	13.1	0.03	1.83	0.02	8.08	1.67	2.16	0.05	4.20	0.14	67.3	0.51	<0.01	0.02
E6096867 (627826)	8.17	0.02	1.22	0.02	12.5	0.91	0.97	0.02	2.54	0.09	70.4	0.31	<0.01	0.01
E6096868 (627827)	10.9	0.03	1.67	0.02	10.9	1.14	1.43	0.03	3.53	0.11	64.6	0.52	0.01	0.01
E6096869 (627828)	6.94	<0.01	1.07	0.01	22.9	0.74	1.40	0.03	2.12	0.10	55.2	0.29	<0.01	0.02
E6096870 (627829)	10.2	0.02	1.93	0.02	9.22	1.18	0.99	0.03	2.66	0.11	71.1	0.39	0.01	0.02
E6096871 (627830)	10.7	0.01	3.51	<0.01	5.82	0.62	3.00	0.04	4.42	0.04	70.6	0.28	<0.01	<0.01
E6096872 (627831)	10.6	0.02	1.58	<0.01	9.54	0.97	1.65	0.02	3.85	0.04	69.4	0.35	<0.01	<0.01
E6096873 (627832)	10.8	0.02	1.62	<0.01	5.93	0.79	1.53	0.02	4.20	0.04	73.0	0.32	0.01	<0.01
E6096874 (627833)	10.3	0.02	2.33	<0.01	9.20	0.79	2.43	0.03	3.75	0.05	68.9	0.30	0.01	<0.01
E6096875 (627834)	11.5	0.12	0.70	0.02	5.53	2.51	7.25	0.04	1.29	0.14	68.3	0.44	<0.01	0.02
E6096876 (627835)	15.7	0.14	0.99	0.02	16.9	0.98	12.6	0.20	0.36	0.14	48.9	0.63	<0.01	0.04
E6096877 (627836)	17.6	0.09	0.62	0.03	13.1	0.90	14.2	0.21	0.35	0.12	50.5	0.71	<0.01	0.03
E6096878 (627837)	14.6	0.12	0.96	0.02	15.1	0.69	14.2	0.30	0.63	0.13	50.8	0.56	<0.01	0.03
E6096879 (627838)	10.9	0.27	2.99	<0.01	6.13	2.08	0.95	0.08	0.67	0.08	52.0	0.31	<0.01	<0.01
E6096880 (627839)	0.35	<0.01	0.03	<0.01	0.69	0.06	0.04	<0.01	0.15	0.01	96.4	0.01	<0.01	<0.01
E6096881 (627840)	10.9	0.26	3.01	<0.01	6.16	2.08	0.95	0.08	0.70	0.08	52.1	0.31	<0.01	<0.01

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5623 McADAM ROAD
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CANADA L4Z 1N9
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FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Analyte:	LOI	Total Oxides
Unit:	%	%
Sample ID (AGAT ID) RDL:	0.01	0.01
E6096857 (627816)	1.57	97.5
E6096858 (627817)	2.58	99.8
E6096859 (627818)	2.60	99.4
E6096860 (627819)	2.44	98.4
E6096861 (627820)	1.56	102
E6096863 (627822)	2.94	101
E6096864 (627823)	2.03	100
E6096865 (627824)	3.15	100
E6096866 (627825)	1.64	101
E6096867 (627826)	2.41	99.6
E6096868 (627827)	2.38	97.3
E6096869 (627828)	4.21	95.0
E6096870 (627829)	2.28	100
E6096871 (627830)	1.10	100
E6096872 (627831)	1.95	100
E6096873 (627832)	1.66	99.9
E6096874 (627833)	1.55	99.7
E6096875 (627834)	2.60	100
E6096876 (627835)	3.03	101
E6096877 (627836)	1.79	100
E6096878 (627837)	1.39	99.5
E6096879 (627838)	6.70	83.2
E6096880 (627839)	0.17	97.9
E6096881 (627840)	6.60	83.2

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AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

DATE SAMPLED: Oct 17, 2019	DATE RECEIVED: Oct 18, 2019	DATE REPORTED: Nov 06, 2019	SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Toronto (unless marked by *)

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AGAT WORK ORDER: 19B532286
PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Sample ID (AGAT ID)	Analyte:	Au
	Unit:	ppm
	RDL:	0.001
E6096857 (627816)		0.005
E6096858 (627817)		0.007
E6096859 (627818)		0.004
E6096860 (627819)		0.007
E6096861 (627820)		0.014
E6096863 (627822)		0.005
E6096864 (627823)		0.010
E6096865 (627824)		0.015
E6096866 (627825)		0.014
E6096867 (627826)		0.011
E6096868 (627827)		0.013
E6096869 (627828)		0.013
E6096870 (627829)		0.009
E6096871 (627830)		0.003
E6096872 (627831)		0.007
E6096873 (627832)		0.008
E6096874 (627833)		0.006
E6096875 (627834)		0.003
E6096876 (627835)		0.018
E6096877 (627836)		0.005
E6096878 (627837)		0.006
E6096879 (627838)		1.77
E6096880 (627839)		0.003
E6096881 (627840)		1.75

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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)			
DATE SAMPLED: Oct 17, 2019	DATE RECEIVED: Oct 18, 2019	DATE REPORTED: Nov 06, 2019	SAMPLE TYPE: Drill Core

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Toronto (unless marked by *)

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5623 McADAM ROAD
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AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

Sieving - % Passing (Crushing)

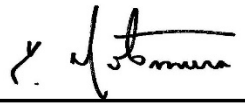
DATE SAMPLED: Oct 17, 2019 | **DATE RECEIVED: Oct 18, 2019** | **DATE REPORTED: Nov 06, 2019** | **SAMPLE TYPE: Drill Core**

Sample ID (AGAT ID)	Analyte:	Pass %
	Unit:	%
	RDL:	0.01
E6096852 (627811)		81
E6096872 (627831)		77

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Thunder Bay (unless marked by *)

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Certificate of Analysis

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

Sieving - % Passing (Pulverizing)

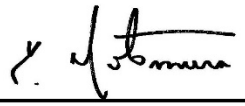
DATE SAMPLED: Oct 17, 2019	DATE RECEIVED: Oct 18, 2019	DATE REPORTED: Nov 06, 2019	SAMPLE TYPE: Drill Core

	Analyte:	Pass %
	Unit:	%
Sample ID (AGAT ID)	RDL:	0.01
E6096851 (627810)		94.4

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT Thunder Bay (unless marked by *)

Certified By:



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5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Quality Assurance - Replicate

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Ag	627811	1	1	0.0%	627835	< 1	< 1	0.0%								
Al	627811	5.43	5.31	2.2%	627835	7.83	7.94	1.4%								
As	627811	< 5	< 5	0.0%	627835	13	11	16.7%								
B	627811	70	66	5.9%	627835	41	43	4.8%								
Ba	627811	235	231	1.7%	627835	198	200	1.0%								
Be	627811	< 5	< 5	0.0%	627835	< 5	< 5	0.0%								
Bi	627811	0.8	0.8	0.0%	627835	14.2	14.4	1.4%								
Ca	627811	0.55	0.52	5.6%	627835	0.674	0.691	2.5%								
Cd	627811	0.8	0.4		627835	< 0.2	< 0.2	0.0%								
Ce	627811	50.6	50.2	0.8%	627835	1240	1260	1.6%								
Co	627811	30.3	29.3	3.4%	627835	101	101	0.0%								
Cr	627811	0.005	0.005	0.0%	627835	0.017	0.017	0.0%								
Cs	627811	2.5	2.5	0.0%	627835	0.9	0.9	0.0%								
Cu	627811	990	972	1.8%	627835	105	107	1.9%								
Dy	627811	14.6	13.4	8.6%	627835	29.7	30.5	2.7%								
Er	627811	9.65	8.96	7.4%	627835	10.9	11.1	1.8%								
Eu	627811	2.51	2.43	3.2%	627835	6.25	6.49	3.8%								
Fe	627811	17.0	16.7	1.8%	627835	11.3	11.4	0.9%								
Ga	627811	26.5	25.7	3.1%	627835	27.6	27.2	1.5%								
Gd	627811	13.1	12.7	3.1%	627835	71.0	73.2	3.1%								
Ge	627811	2	2	0.0%	627835	2	2	0.0%								
Hf	627811	8	8	0.0%	627835	2	2	0.0%								
Ho	627811	3.15	2.96	6.2%	627835	4.68	4.78	2.1%								
In	627811	0.3	0.3	0.0%	627835	< 0.2	< 0.2	0.0%								
K	627811	1.59	1.55	2.5%	627835	0.83	0.84	1.2%								
La	627811	19.6	19.2	2.1%	627835	561	586	4.4%								
Li	627811	53	52	1.9%	627835	20	18	10.5%								
Lu	627811	1.49	1.37	8.4%	627835	1.06	1.07	0.9%								
Mg	627811	1.95	1.93	1.0%	627835	7.12	7.19	1.0%								
Mn	627811	720	712	1.1%	627835	1500	1520	1.3%								
Mo	627811	6	7	15.4%	627835	4	4	0.0%								

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

Nb	627811	12	11	8.7%	627835	2	2	0.0%								
Nd	627811	38.7	38.3	1.0%	627835	604	628	3.9%								
Ni	627811	24	22	8.7%	627835	149	149	0.0%								
P	627811	0.05	0.05	0.0%	627835	0.06	0.06	0.0%								
Pb	627811	< 5	< 5	0.0%	627835	5	< 5									
Pr	627811	7.46	7.43	0.4%	627835	147	153	4.0%								
Rb	627811	46.6	45.2	3.1%	627835	17.2	17.4	1.2%								
S	627811	7.40	7.14	3.6%	627835	2.34	2.34	0.0%								
Sb	627811	< 0.1	< 0.1	0.0%	627835	< 0.1	< 0.1	0.0%								
Sc	627811	15	15	0.0%	627835	28	28	0.0%								
Si	627811	23.4	22.8	2.6%	627835	21.8	21.6	0.9%								
Sm	627811	11.0	10.6	3.7%	627835	92.2	94.8	2.8%								
Sn	627811	4	3	28.6%	627835	2	2	0.0%								
Sr	627811	34.9	32.0	8.7%	627835	11.9	12.4	4.1%								
Ta	627811	< 0.5	< 0.5	0.0%	627835	< 0.5	< 0.5	0.0%								
Tb	627811	2.25	2.16	4.1%	627835	7.84	8.16	4.0%								
Th	627811	1.84	1.86	1.1%	627835	1.2	1.2	0.0%								
Ti	627811	0.33	0.33	0.0%	627835	0.352	0.358	1.7%								
Tl	627811	< 0.5	< 0.5	0.0%	627835	< 0.5	< 0.5	0.0%								
Tm	627811	1.46	1.32	10.1%	627835	1.30	1.31	0.8%								
U	627811	0.530	0.559	5.3%	627835	0.400	0.394	1.5%								
V	627811	26	26	0.0%	627835	187	187	0.0%								
W	627811	< 1	< 1	0.0%	627835	< 1	< 1	0.0%								
Y	627811	88.3	83.4	5.7%	627835	173	178	2.8%								
Yb	627811	9.94	9.04	9.5%	627835	8.2	8.3	1.2%								
Zn	627811	601	491	20.1%	627835	268	268	0.0%								
Zr	627811	300	286	4.8%	627835	61.7	63.2	2.4%								

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

	REPLICATE #1				REPLICATE #2											
Parameter	**Sample ID**	**Original**	**Replicate**	**RPD**	**Sample ID**	**Original**	**Replicate**	**RPD**								
Al2O3	627811	10.2	10.3	1.0%	627835	15.7	15.7	0.0%								
BaO	627811	0.01	0.02		627835	0.14	0.14	0.0%								
CaO	627811	0.72	0.73	1.4%	627835	0.99	0.99	0.0%								
Cr2O3	627811	< 0.01	0.01		627835	0.02	0.02	0.0%								

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

Fe2O3	627811	23.5	23.6	0.4%	627835	16.9	16.7	1.2%								
K2O	627811	1.72	1.71	0.6%	627835	0.98	0.97	1.0%								
MgO	627811	3.34	3.34	0.0%	627835	12.6	12.6	0.0%								
MnO	627811	0.10	0.11	9.5%	627835	0.20	0.20	0.0%								
Na2O	627811	1.52	1.49	2.0%	627835	0.355	0.337	5.2%								
P2O5	627811	0.109	0.115	5.4%	627835	0.137	0.129	6.0%								
SiO2	627811	48.8	48.9	0.2%	627835	48.9	48.7	0.4%								
TiO2	627811	0.55	0.55	0.0%	627835	0.631	0.613	2.9%								
SrO	627811	< 0.01	< 0.01	0.0%	627835	< 0.01	< 0.01	0.0%								
V2O5	627811	< 0.01	< 0.01	0.0%	627835	0.04	0.04	0.0%								
LOI	627811	4.22	4.24	0.5%	627835	3.03	2.95	2.7%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

	REPLICATE #1				REPLICATE #2											
Parameter	**Sample ID**	**Original**	**Replicate**	**RPD**	**Sample ID**	**Original**	**Replicate**	**RPD**								
Au	627811	0.0223	0.0193	14.4%	627835	0.0182	0.0187	2.7%								

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MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

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

	CRM #1 (ref.SY-4)				CRM #2 (ref.Till-2)				CRM #3 (ref.sy-4)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Al	10.95	10.59	97%	90% - 110%	8.47	8.02	95%	90% - 110%								
As					26	28	108%	90% - 110%								
Ba	340	334	98%	90% - 110%	540	525	97%	90% - 110%								
Be	2.6	2.9	**112%**	90% - 110%	4.0	3.6	**89%**	90% - 110%								
Ca	5.72	5.68	99%	90% - 110%	0.907	0.913	101%	90% - 110%								
Ce	122	119	97%	90% - 110%	98	101	103%	90% - 110%								
Co	2.8	2.5	90%	90% - 110%	15	14	96%	90% - 110%								
Cs	1.5	1.6	108%	90% - 110%												
Cu	7	6	**87%**	90% - 110%	150	158	105%	90% - 110%								
Dy	18.2	18.7	103%	90% - 110%												
Er	14.2	14.4	102%	90% - 110%	3.7	4	107%	90% - 110%								
Eu	2.0	1.95	97%	90% - 110%	1.0	1.13	**112%**	90% - 110%								
Fe	4.34	4.32	99%	90% - 110%	3.77	3.84	102%	90% - 110%								
Ga	35	36	104%	90% - 110%												
Gd	14	15	106%	90% - 110%												
Hf	10.6	10.7	101%	90% - 110%	11	10	91%	90% - 110%								
Ho	4.3	4.4	103%	90% - 110%												
K	1.37	1.47	107%	90% - 110%	2.55	2.6	102%	90% - 110%								
La	58	56	97%	90% - 110%	44	45	103%	90% - 110%								
Li	37	41	**112%**	90% - 110%	47	52	110%	90% - 110%								
Lu	2.1	2.1	100%	90% - 110%	0.6	0.6	93%	90% - 110%								
Mg	0.325	0.3	92%	90% - 110%	1.1	1.1	98%	90% - 110%								
Mn	836	808	97%	90% - 110%	780	752	96%	90% - 110%								
Mo					14	14	98%	90% - 110%								
Nb	13	13	98%	90% - 110%	20	18	91%	90% - 110%								
Nd	57	61	107%	90% - 110%												
Ni					32	30	93%	90% - 110%								
Pb	10	10	99%	90% - 110%	31	31	100%	90% - 110%								
Pr	15.0	14.5	96%	90% - 110%												
Rb	55	51	93%	90% - 110%	144	141	98%	90% - 110%								
Sb					0.8	0.8	98%	90% - 110%								

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

Sc					12	12	99%	90% - 110%								
Si	23.3	22.9	98%	90% - 110%	28.4	27.6	97%	90% - 110%								
Sm	12.7	12.8	101%	90% - 110%	7.4	8.1	109%	90% - 110%								
Sn	7.1	7.4	104%	90% - 110%												
Sr	1191	1247	105%	90% - 110%	144	156	108%	90% - 110%								
Ta	0.9	1	109%	90% - 110%	1.9	1.6	**82%**	90% - 110%								
Tb	2.6	2.8	107%	90% - 110%	1.2	1.2	100%	90% - 110%								
Th	1.4	1	**72%**	90% - 110%	18.4	18.1	99%	90% - 110%								
Ti	0.172	0.17	99%	90% - 110%	0.527	0.51	97%	90% - 110%								
Tm	2.3	2.3	101%	90% - 110%												
U	0.8	0.7	91%	90% - 110%	5.7	5.3	93%	90% - 110%								
V	8	7	**83%**	90% - 110%	77	78	101%	90% - 110%								
W					5	5	100%	90% - 110%								
Y	119	121	102%	90% - 110%	40	38	95%	90% - 110%								
Yb	14.8	15.1	102%	90% - 110%												
Zn	93	90	97%	90% - 110%	130	123	95%	90% - 110%								
Zr	517	555	107%	90% - 110%	390	363	93%	90% - 110%								

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

	CRM #1 (ref.sy-4)				CRM #2 (ref.GSP5G)				CRM #3 (ref.sy-4)							
Parameter	**Expect**	**Actual**	**Recovery**	**Limits**	**Expect**	**Actual**	**Recovery**	**Limits**	**Expect**	**Actual**	**Recovery**	**Limits**				
Al2O3	20.7	20.7	100%	90% - 110%					20.7	20.7	100%	90% - 110%				
BaO	0.038	0.040	105%	90% - 110%					0.038	0.041	107%	90% - 110%				
CaO	8.05	8.07	100%	90% - 110%					8.05	8.06	100%	90% - 110%				
Fe2O3	6.21	6.23	100%	90% - 110%					6.21	6.23	100%	90% - 110%				
K2O	1.66	1.64	99%	90% - 110%					1.66	1.66	100%	90% - 110%				
MgO	0.54	0.51	94%	90% - 110%					0.54	0.53	98%	90% - 110%				
MnO	0.108	0.113	105%	90% - 110%					0.108	0.111	102%	90% - 110%				
Na2O	7.1	7.2	102%	90% - 110%					7.1	7.3	102%	90% - 110%				
P2O5	0.131	0.133	102%	90% - 110%					0.131	0.136	104%	90% - 110%				
SiO2	49.9	49.8	100%	90% - 110%					49.9	49.7	100%	90% - 110%				
TiO2	0.287	0.291	101%	90% - 110%					0.287	0.289	101%	90% - 110%				
SrO	0.141	0.141	100%	90% - 110%					0.141	0.138	98%	90% - 110%				
LOI					4.56	4.21	92%	90% - 110%								

(202-052) Fire Assay - Trace Au, ICP-OES finish (ppm)

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

Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

CLIENT NAME: MISC AGAT CLIENT ON

ATTENTION TO: Avrom E. Howard

	CRM #1 (ref.GS6F)				CRM #2 (ref.GSP5G)				CRM #3 (ref.sy-4)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	6.87	7.03	102%	90% - 110%	0.562	0.559	100%	90% - 110%								

AGAT Laboratories

5623 McADAM ROAD
MISSISSAUGA, ONTARIO
CANADA L4Z 1N9
TEL (905)501-9998
FAX (905)501-0589
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Method Summary

CLIENT NAME: MISC AGAT CLIENT ON

AGAT WORK ORDER: 19B532286

PROJECT: SLR001

ATTENTION TO: Avrom E. Howard

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Rb	MIN-200-12049		ICP-MS
S	MIN-200-12001/MIN-200-12049		ICP/OES
Sb	MIN-200-12049		ICP-MS
Sc	MIN-200-12001/MIN-200-12049		ICP/OES
Si	MIN-200-12001/MIN-200-12049		ICP/OES
Sm	MIN-200-12049		ICP-MS
Sn	MIN-200-12049		ICP-MS
Sr	MIN-200-12001/MIN-200-12049		ICP/OES
Ta	MIN-200-12049		ICP-MS
Tb	MIN-200-12049		ICP-MS
Th	MIN-200-12049		ICP-MS
Ti	MIN-200-12001/MIN-200-12049		ICP/OES
Tl	MIN-200-12049		ICP-MS
Tm	MIN-200-12049		ICP-MS
U	MIN-200-12049		ICP-MS
V	MIN-200-12001/MIN-200-12049		ICP/OES
W	MIN-200-12049		ICP-MS
Y	MIN-200-12049		ICP-MS
Yb	MIN-200-12049		ICP-MS
Zn	MIN-200-12001/MIN-200-12049		ICP/OES
Zr	MIN-200-12049		ICP-MS
Al2O3	MIN-200-12027		XRF
BaO	MIN-200-12027		XRF
CaO	MIN-200-12027		XRF
Cr2O3	MIN-200-12027		XRF
Fe2O3	MIN-200-12027		XRF
K2O	MIN-200-12027		XRF
MgO	MIN-200-12027		XRF
MnO	MIN-200-12027		XRF
Na2O	MIN-200-12027		XRF
P2O5	MIN-200-12027		XRF
SiO2	MIN-200-12027		XRF
TiO2	MIN-200-12027		XRF
SrO	MIN-200-12027		XRF
V2O5	MIN-200-12027		XRF
LOI	MIN-200-12021		FURNACE
Total Oxides	MIN-200-12015		CALCULATION
Au	MIN-12006, MIN-12004		ICP/OES
Pass %			BALANCE

APPENDIX 4: Expenses Breakdown

Company	Invoice Number	Date	Amount	Activity	Comments/Details
Exploratory Drilling Report					
Nebu Consulting LLC	2019-10-18	8/10/2019	$17,798.06	Field Supervision, Core Logging	Drill Program Mgt. and Core Logging
Nebu Consulting LLC	2019-10-01	1/10/2019	$11,329.97	Field Supervision, Core Logging	Drill Program Mgt. and Core Logging
NEBU	**TOTAL**		**$29,128.03**		1944mm
	WL-19-2, 3		**$18,609.59**		**1242m**
Chibougamau Diamond Drilling LTD	25214	8/10/2019	$60,151.63	Diamond Drilling	Final payment – fixed price contract
"	25183	30/09/2019	$100,000.00	Diamond Drilling	Fixed price contract payment
"	25180	26/09/2019	$100,000.00	Diamond Drilling	Fixed price contract payment
"	25150	16/09/2019	$100,000.00	Diamond Drilling	Fixed price contract payment
"	25216	15/10/2019	$3,762.00	Core boxes	
Chibougamau	**TOTAL**		**$363,913.63**		1944m
	WL-19-2, 3		**232,904.95**		**1242m**
AGAT Laboratories	19643565M	06/11/2019	$3,123.00	Assays	30 samples
AGAT Laboratories	**TOTAL**		**$2,602.50**		**25 samples**
$254,117.04					