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N.T.S. 41P14, 41P15

ROCK SAMPLE REPORT
LAROMA PROSPECT: GREEN MONSTER PROJECT
MIDLOTHIAN LAKE PROPERTY
LARDER LAKE MINING DIVISION
MIDLOTHIAN TOWNSHIP, ONTARIO

For:

GOLDENFIRE MINERALS INC.

London, Ontario

By: Robert Dillman
ARJADEE PROSPECTING
Mount Brydges, Ontario

I N D E X

Summary

In December 2021 and January 2022, petrographic and microprobe examination of listwanite samples from the Laroma Prospect in Midlothian Township by Dr. Jim Renaud of Renaud Geological Consulting Ltd. (RGC), identified nickel-bearing sulphides in rock samples from the prospect. This report discloses assays for rock samples collected around the Laroma Prospect.

Rock samples contained in this report were previously collected during prospecting traverses conducted on the Midlothian Property in 2020 and 2021 and have been previously reported. Upon identification of nickel-sulphides by RGC, remaining pieces of the samples from the Laroma Prospect were tested for nickel using Dimethylglyoxime Powder. Twenty (20) samples had a reaction to the powder, turning bright red. These samples were sent to AGAT laboratory for a 45 element analyses which included nickel (Ni), and fire assays for gold (Au), platinum (Pt) and palladium (Pd). Assays for listwanite samples ranged 0.011 to 24.6 ppm Au, 379 to 1,950 ppm Ni, <0.005 to 0.010 ppm Pt, and 0.003 to 0.010 ppm Pd. A boulder of sulphide-bearing mafic metavolcanic rock found on the Laroma Prospect assayed 0.019 ppm Au, 3,630 ppm Ni, 0.109 ppm Pt, and 0.252 ppm Pd.

The Midlothian Property consists of 117 mining claim cells. The property covers an approximate area of 2,450 hectares.

At the time field work and petrology was completed, title to the claims were owned by Jim Renaud and (author) Robert Dillman. At the time of this report, title to all claims had been transferred to their company, Goldenfire Minerals Inc.

Location and Access

The Midlothian Lake Property is situated in Midlothian Township in the Larder Lake Mining Division of Ontario. The property is located approximately 23 kilometres southwest of the town of Matachewan (Figure 1).

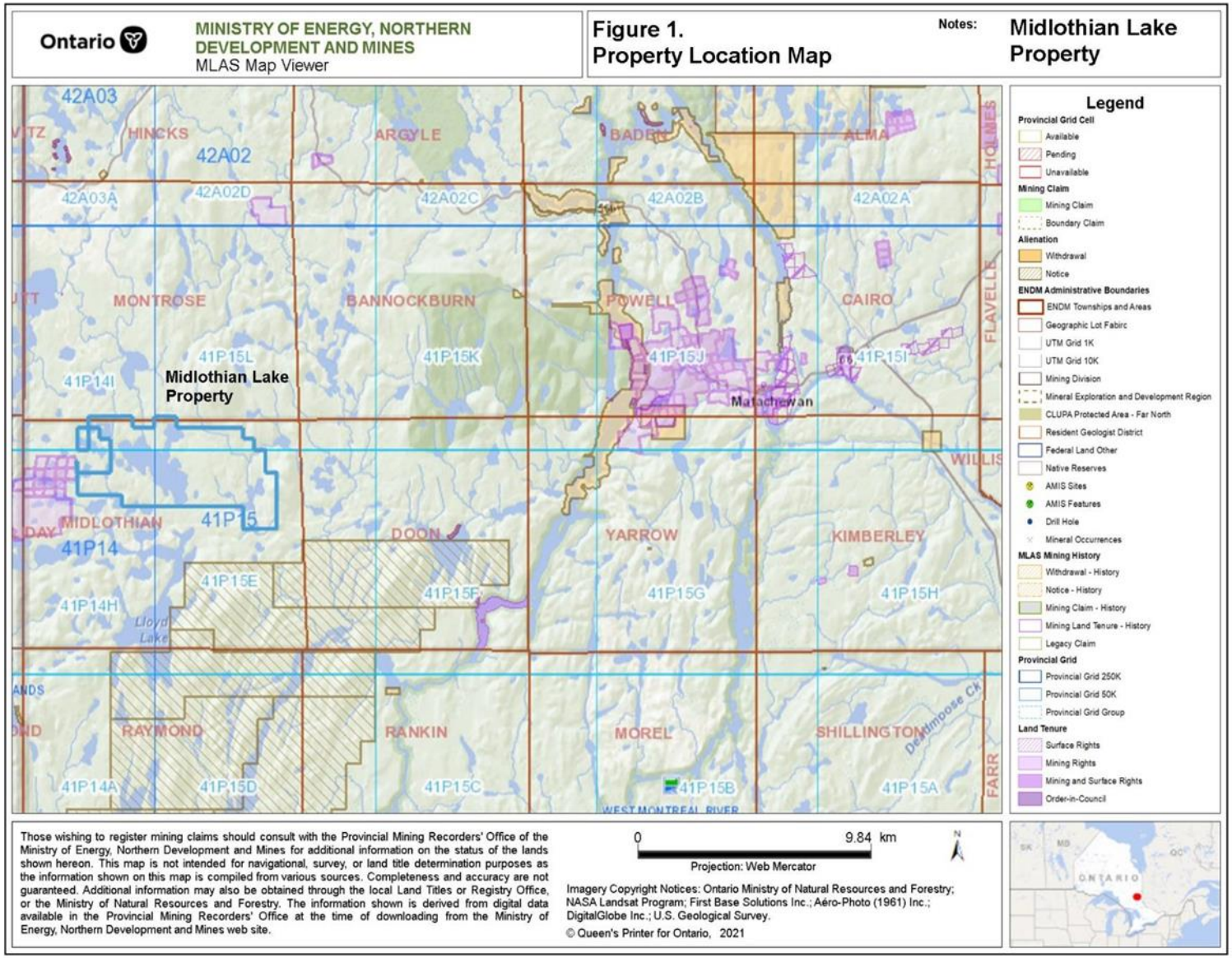
The property is accessible by truck and ATV. From the town of Matachewan, the property can be reached by travelling 2.9 km southwest on Highway 566 to the Asbestos Mine Road. Go west on the mine road for 23 km at which point the road is washed out and the rest of the journey must be made on ATV. The road crosses onto the southeast corner of the property 2.3 km from the washout.

Claim Logistics and Location of Work

The Midlothian Lake Property consists of 117 mining claim cells. The property covers an approximate area of 2,450 hectares (Figure 2).

All claims comprising the Midlothian Lake Property are held by Goldenfire Minerals Inc. of London, Ontario.

Rock samples contained in this report were collected on claim 549439, cell 41P15E081.


Ontario
MINISTRY OF ENERGY, NORTHERN DEVELOPMENT AND MINES
MLAS Map Viewer
Figure 1.
Property Location Map
Notes:
Midlothian Lake Property
Legend
Provincial Grid Cell
Available
Pending
Unavailable
Mining Claim
Mining Claim
Boundary Claim
Alienation
Withdrawal
Notice
ENDM Administrative Boundaries
ENDM Townships and Areas
Geographic Lot Fabric
UTM Grid 1K
UTM Grid 10K
Mining Division
Mineral Exploration and Development Region
CLUPA Protected Area - Far North
Resident Geologist District
Federal Land Other
Native Reserves
AMIS Sites
AMIS Features
Drill Hole
Mineral Occurrences
MLAS Mining History
Withdrawal - History
Notice - History
Mining Claim - History
Mining Land Tenure - History
Legacy Claim
Provincial Grid
Provincial Grid 250K
Provincial Grid 50K
Provincial Grid Group
Land Tenure
Surface Rights
Mining Rights
Mining and Surface Rights
Order-in-Council
42A03
HINCKS
42A02
ARGYLE
BADEN
ALMA
42A03A
42A02D
42A02C
42A02B
42A02A
HOLMES
MONTROSE
BANNOCKBURN
POWELL
CAIRO
FLAVELLE
41P15L
41P15K
41P15J
41P15I
41P14I
Midlothian Lake Property
Matachewan
WILLIS
MIDLOTHIAN
41P15
41P14
DOON
YARROW
KIMBERLEY
41P15E
41P15F
41P15G
41P15H
41P14H
Lloyd Lake
RAYMOND
RANKIN
MOREL
SHILLINGTON
Demmoose Ck
41P14A
41P15D
41P15C
41P15B
41P15A
FARR
WEST MONTREAL RIVER
Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Energy, Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Energy, Northern Development and Mines web site.
0
9.84 km
Projection: Web Mercator
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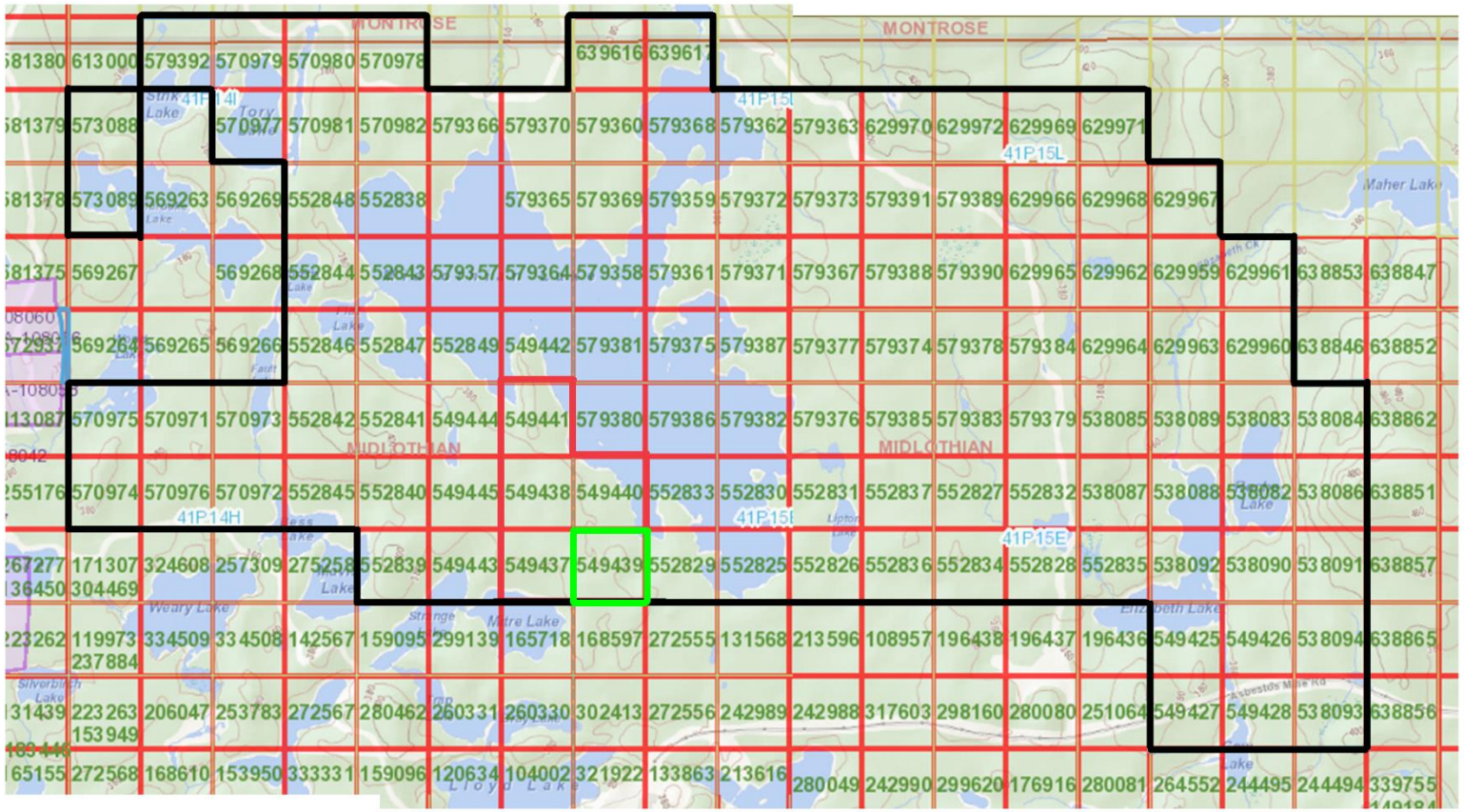


Figure 2.
Claim Map: Midlothian Lake Property
Midlothian Township, Ontario

Land Status and Topography

The Midlothian Lake Property is situated entirely on Crown Land. The property is uninhabited. There are no buildings or habitats. An electrical powerline follows the Asbestos Mine Road and crosses the southeast section of the property. A system of non-maintained logging roads provide access to most areas of the property.

Sections of the property have been logged within the last 3 decades. Some of these areas are partially reforested with spruce trees. Uncut forest consisting of large spruce, balsam and poplar trees can be found bordering bodies of water and growing in higher elevations. Cedar trees and alders grow in lower areas.

The property is at a mean elevation ranging 360 to 400 metres above sea level. Most of the property has gentle relief with rounded hills averaging 20 metres in height. Rugged terrain exists east of Elizabeth Lake where steep hills rise over 40 metres above the lake and, close to Midlothian Lake where ridges and knobby outcrops rise up to 40 metres above the lake. The northeast section of the property is situated at the base of a large, steep hill rising over 540 metres above sea level.

There are several lakes on the property. The largest is Midlothian Lake covering an approximate area of 366 hectares.

Regional and Local Geology

The Midlothian Lake Property is located in the Halliday Dome area within the western portion of the Abitibi Subprovince of the Superior Province. The Halliday Dome consists mainly of calc- alkaline felsic and intermediate volcanic rocks with minor quantities of iron formation and basaltic rocks of the Tisdale Assemblage, unconformably overlain by younger Kinojevis Assemblage rocks, which are in turn unconformably overlain by sedimentary rocks of the Porcupine Assemblage.

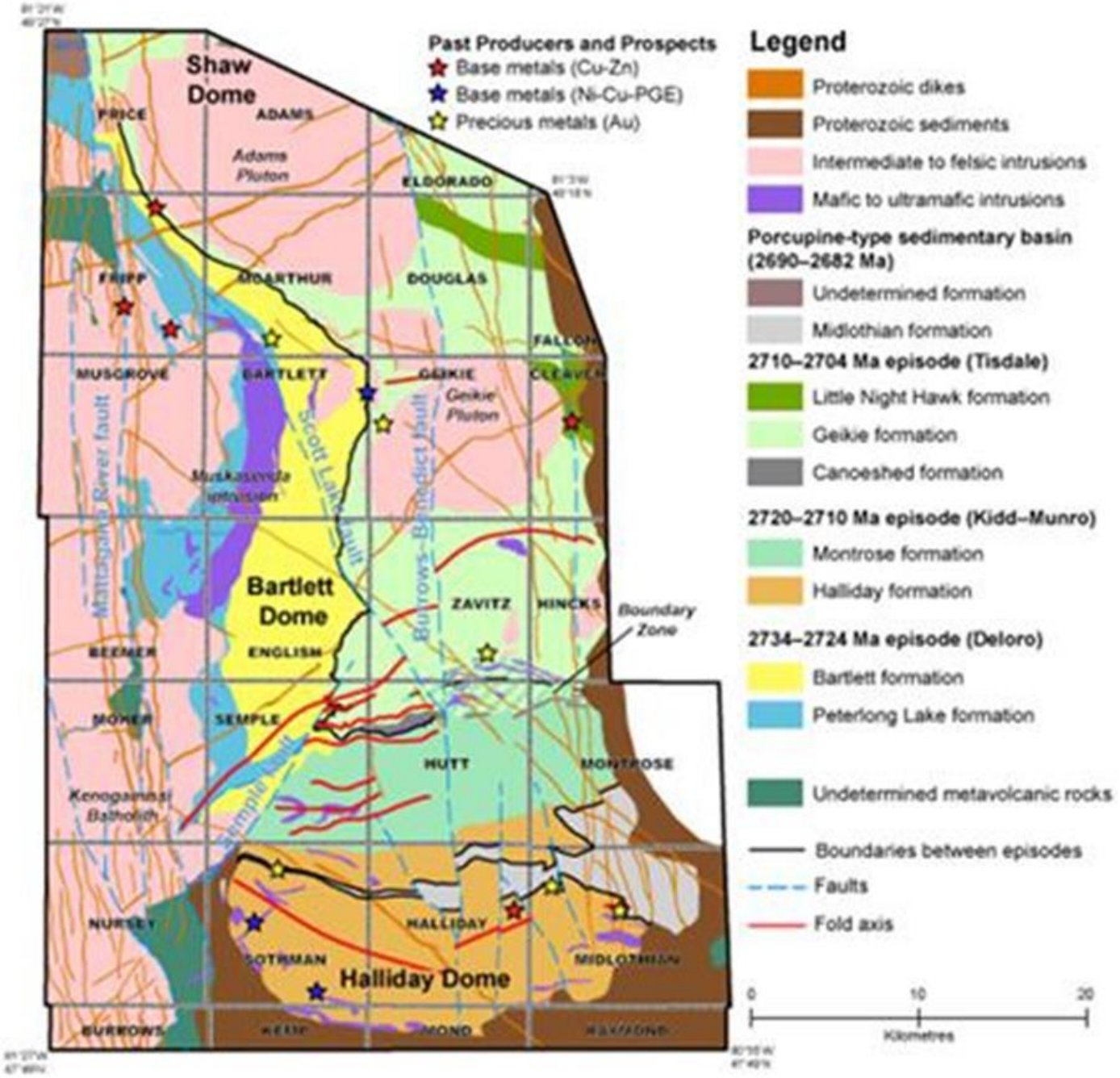
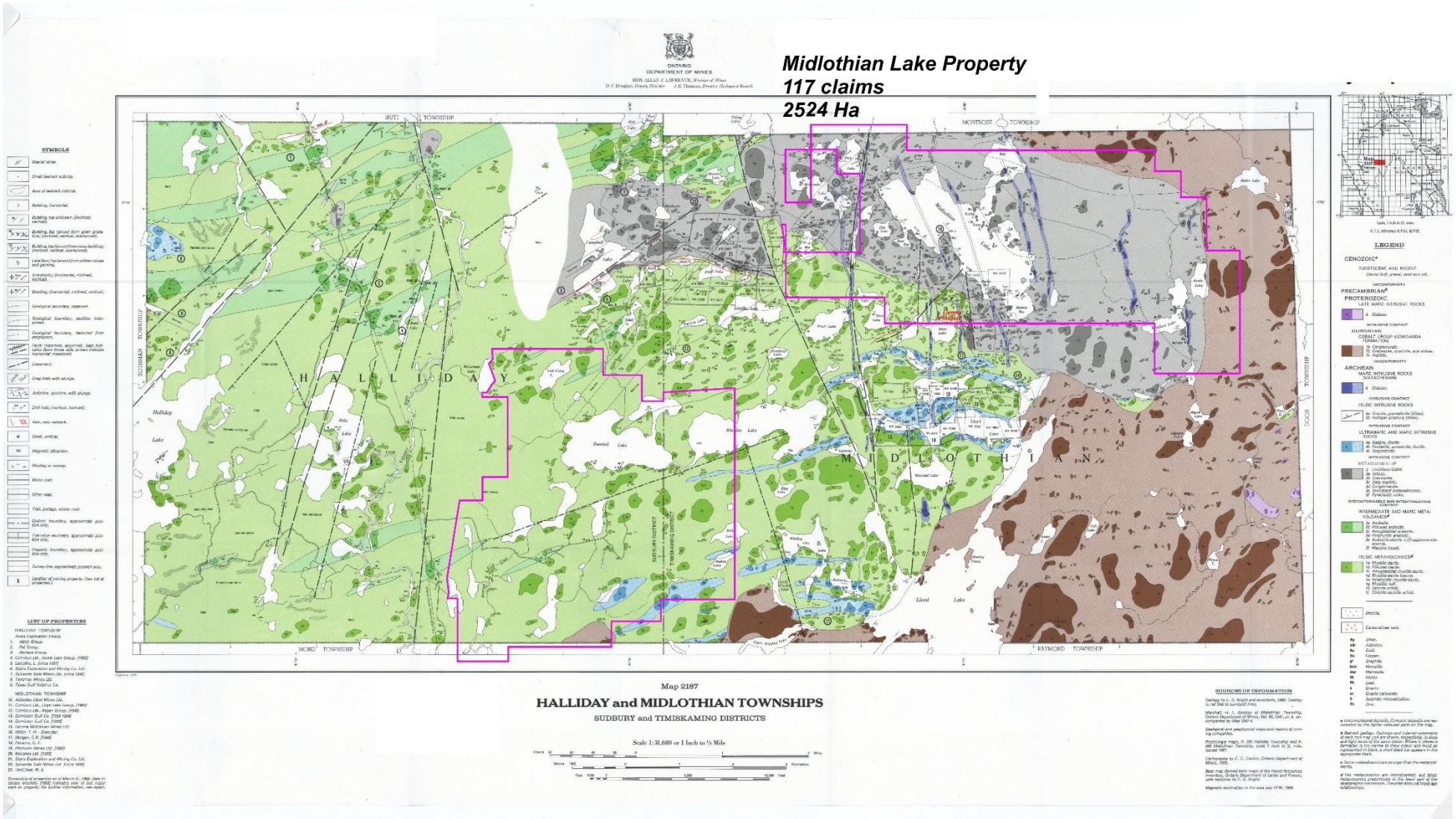


Figure 3. Schematic map of the study area depicting part of the Shaw Dome as well as the Bartlett and Halliday domes. The Bartlett and Halliday domes are further broken down into volcanic- and sediment-dominated episodes (assemblages) and formations. The green hatched pattern at the Zavitz–Hutt township boundary represents the boundary zone between the 2720–2710 Ma volcanic episode (Kidd–Munro) and the 2710–2704 Ma volcanic episode (Tisdale).


Midlothian Lake Property
117 claims
2524 Ha
ONTARIO
DEPARTMENT OF MINES
HALLIDAY
MIDLOTHIAN
HUTT TOWNSHIP
MONTROSE TOWNSHIP
SCRIVEN TOWNSHIP
MOND TOWNSHIP
RAYMOND TOWNSHIP
DOON TOWNSHIP
SUDBURY DISTRICT
TIMISKAMING DISTRICT
Halliday Lake
Lloyd Lake
Map 2187
HALLIDAY and MIDLOTHIAN TOWNSHIPS
SUDBURY and TIMISKAMING DISTRICTS
Scale 1:31,680 or 1 Inch to ½ Mile
SYMBOLS
LIST OF PROPERTIES
SOURCES OF INFORMATION
LEGEND
CENOZOIC
PRECAMBRIAN
PROTEROZOIC
ARCHEAN

Midlothian Township is located on the southeast quadrant of the dome and consists of intermediate to felsic volcanics, flows and pyroclastics, "Temiskaming" sediments and a series of mafic to ultramafic sills. The Coleman Member of the Gowganda Formation lies unconformably on top of the Archean volcanics and sediments. It is thought that the Larder Lake Break extends beneath the Gowganda Formation west of Matachewan and continues through the south portion of Midlothian Township. Surrounding geology in the Bannockburn Township area describes Neoarchean-age calc-alkaline intermediate to felsic volcanic rocks, mafic volcanic rocks, komatiitic basalt to dunite, silicate to sulphide iron formation, gabbro intrusions, and a series of sedimentary rocks including diamictite, arkose, and conglomerate (Préfontaine and Berger, 2005). Proterozoic-age (Huronian Supergroup) sediments (Cobalt Group - Gowganda Formation), composed mainly of clastic metasedimentary rocks such as conglomerate, sandstone, wackes and argillite, unconformably overlie the Archean supracrustal assemblages.

The area northeast of Midlothian Lake is underlain by arkose, sandstone and conglomerates of the Midlothian Formation dated 2688.5 Ma (Préfontaine and Robichaud, 2013). Rock units generally strike northwest to southeast and dip steeply to the north. The area has been intruded by north trending diabase dikes of the Matachewan Swarm dated 2454 Ma (Préfontaine and Robichaud, 2013). To the east, rocks of the Midlothian Formation and Matachewan diabase swarm are unconformably overlain by Huronian rocks consisting of conglomerates, argillite and greywacke of the Cobalt Group of the Gowganda Formation dated *circa* 2300 Ma (Préfontaine and Robichaud, 2013). Diabase dikes of the Sudbury Swarm dated 1238 Ma also have intruded rocks of the Midlothian Formation and cross the unconformity into the Cobalt Group.

Midlothian Township is underlain by intermediate to felsic volcanics, flows and pyroclastics, "Temiskaming" sediments and a series of mafic to ultramafic sills. The Coleman Member of the Gowganda Formation lies unconformably on top of the Archean volcanics and sediments.

It is thought that the Larder Lake Break extends beneath the Gowganda Formation west of Matachewan and continues through the south portion of Midlothian Township.

The Midlothian Lake Property is underlain by intermediate to felsic flows and pyroclastic rocks to the south. The north half of the property is underlain by Temiskaming sediments: mostly conglomerates, greywackes and siltstone. Areas of carbonate and green mica alteration have been discovered on the property along the contact of the volcanics and sediments in the vicinity of Midlothian and Mitre Lakes.

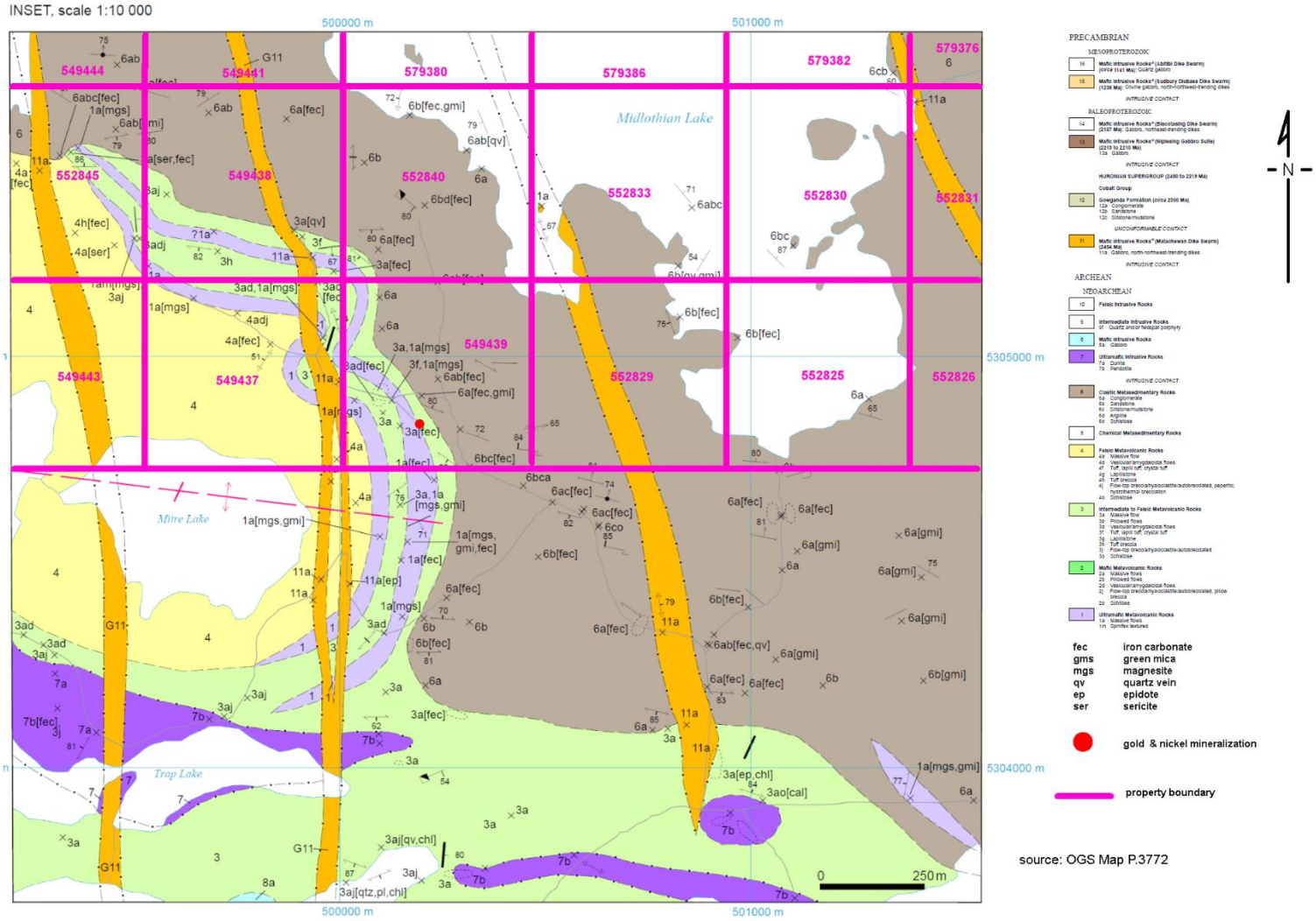


Figure 5. Mitre Lake Area, Midlothian Twp.

The Laroma Prospect is situated in ultramafic rocks which are strongly altered to green carbonate (dolomite-ankerite and magnesite-siderite solid solution), green Cr-bearing mica (fuchsite), silicified, and correspond to listwanite composition (Renaud, 2022). Listwanite occur as two sills within mafic metavolcanic rocks and arc to the northwest proximal to felsic metavolcanic rocks for approximately 1,700 metres. The sills range 50 to 125 metres wide and dip vertical to steeply east and northeast. Late-stage north striking diabase dikes cross the sequence. Several generations of quartz stringers and veining occur in the prospect, some carrying gold mineralization. Traces of fine-grained sulphides occur with the quartz but are mostly disseminated throughout the wallrock and have been found to contain nickel and minor cobalt.

History of Exploration

Historic mineral exploration in Midlothian Township has occurred in several periods from as early as 1907 to present day. As a result, different sections of the property have been explored at various times. Historic exploration has led to the discovery of gold, copper, pyrite, graphite and marcasite on the property. The Halliday Dome area has been explored since the turn of the century, with increased activity in the 1960's. Gold exploration has gone through several cycles including the early 1900's, the 1930's and from 1940 to the early 1970's. An Indian land caution halted exploration in the area for over two decades. Savage(1963), a government geologist reported that gold was first found in Midlothian Township in 1909.

In 1946, H. I. Marshall created a detailed geological examination of Midlothian Township for the Ontario Department of Mines (Marshall, 1947) and in 1970 E.G. Bright mapped Halliday and Midlothian Townships reported in Geological Report 79. Montrose Township was presented as “Digital GIS Compilation: Bedrock Geology of Powell, Bannockburn and Montrose Townships”, Ontario Geological Survey, MRD 207 (Berger et al, 2006).

The following is a summary of recorded exploration near the property obtained through assessment filings from OGSEarth.

Table 1. Historic Exploration: Midlothian Lake Property, Mitre Lake Area

Company	*Year*	*Work Description*
Stairs Exploration & Mining	1959 – 1964	21 DDH
Rio Tinto Mines	1963	1 DDH
Laroma Midlothian Mines Ltd.	1964	2 DDH
Laroma Midlothian Mines Ltd.	1964	3 DDH
Timiskaming Nickel	1968	1 DDH
Canadian Johns-Manville Co. Ltd.	1970	3 DDH
Dennison Mines Ltd.	1971	Geological Survey, Geochemical Survey, EM Survey and 2 DDH
Dennison Mines Ltd.	1971	2 DDH
John Hogan	1971	2 DDH
John Hogan	1971	1 DDH
International Trust Company	1972	4 DDH
Larche/Rosseau	1972	8 DDH
Allied Mining Corp.	1972	1 DDH
Allied Mining Corp.	1972	2 DDH
Tojaro Holdings Ltd.	1973	Magnetometer Survey
Stump Mines Ltd.	1973	2 DDH
United Asbestos Inc.	1973	3 DDH
Hanna Mining Company	1974	6 DDH
Hanna Mining Company	1974	6 Holes
Northrim Mines Inc.	1975	2 DDH
International Trust Company	1976	3 DDH
Falconbridge Copper Mines Ltd.	1978	7 DDH
Shield Geophysics Ltd.	1981	Airborne EM
Regal Goldfields Ltd.	1983	9 DDH
Goldteck Mines Ltd.	1987 – 1988	Geological Mapping, Mechanical Stripping, Magnetometer and Resistivity Surveys and 94 DDH
Tom Obradovich	1996	Mechanical Stripping
Orezone Resources Inc.	1996	Prospecting, Sampling (Laroma Showing)
Orezone Resources Inc.	2000	7 DDH
Canadian Arrow Mines Ltd.	2002	10 DDH
Mustang Minerals	2004	Airborne EM
Explor Resources	2008	Heli-VTEM
Explor Resources	2009	Ground Mag/IP/VLF
Explor Resource	2011	DDH (Montrose Property)
R. Dillman, J. Renaud	2020 - 2022	Prospecting, Sampling, Petrology, Microprobe analyses

Survey Dates and Personal

Rock samples contained in this report were collected during prospecting traverses conducted in 2020 and 2021 and have been reported in previous reports of assessment work on the Midlothian Lake Property. For reference, 38 samples were collected between September 14, 2020 to September 18, 2020 and 8 samples were collected on the June 13 2021 traverse.

One (1) day between December 8, 2021 to December 10, 2021 was spent on sample logistics which included further analyzing, categorizing and shipping rock samples

This work was preformed by Dr. Jim Renaud of London, Ontario and by the author, Robert Dillman of Mount Brydges, Ontario. The work has been preformed for Goldenfire Minerals Inc. of London, Ontario.

Survey Logistics

As a result of the discovery of nickel sulphides in the Laroma Prospect, additional assays and nickel tests were preformed on 20 rock samples collected from the prospect and which had been previously analyzed for gold. Unfortunately, the pulps and rejects of the original samples had been discarded and further assays were preformed on small fragments of the original samples which had been retained for reference and further analyses. These samples were assigned new numbers. The locations of the original rock sample sites, corresponding new sample numbers, descriptions and assay results of both previous and subsequent analyses are presented in Table 1 and plotted at a scale of 1 : 5,000 with geology and surface features on the appended map.

Sample locations were recorded using a Garmin GPS model GPSMAP 66st and a CAT S42 smartphone handheld device equipped with the Discovery MapInfo. The GPS unit was set to NAD83, Zone 17.

All rock samples were delivered to AGAT Laboratory for analyses. The lab is in Mississauga, Ontario. All rock samples were Fire Assayed for gold, platinum and palladium using a 50 gram charge and finished by Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES) to measure the gold concentration. All samples were assayed for an additional 45 elements by Aqua Regia Digest - ICP-OES finish. Assay certificates from the lab are appended to this report.

Results of Survey

All listwanite samples tested with Dimethyglyxomine powder returned a red reaction indicating the presences of nickel.This was confirmed by assaying with results ranging 379 ppm to 1,950 ppm Ni and averaging 938 ppm Ni for 19 samples. Listwanite samples also returned high manganess values ranging 709 ppm to 4,670 ppm Mn, averaging 2,556 ppm Mn for 19 samples and a correlation with mercury ranging 3 ppm to 20 ppm Hg and averaging 11.2 ppm Hg for 19 samples. Assays also showed some elevated values for Sb and As. All listwanite samples except one show <1% sulfur reflecting the low sulphide content of the samples.

Gold assays were generally low for listwanite samples with a few exceptions, values ranging 0.004 ppm to 24.6 ppm Au. Multiple assays on each sample show a variable gold content and possible “nugget effect”. Low silver values suggest good gold purity as electrum does not appear to be a factor.

Sample MID-11 returned the best nickel value of 3,630 ppm Ni (0.363% Ni) and was highly anomalous in platinum and pallidium values with 0.109 ppm Pt and 0.252 ppm Pd. The sample was taken from a large boulder of sulfide-bearing mafic metavolcanic rock found on the Laroma Prospect. Assays also showed highly anomalous copper, cobat and vanadium returning 517 ppm Cu, 447 ppm Co and 108 ppm V.

Table 2. Rock Sample Locations and Descriptions: Laroma Prospect, Midlothian Lake Property, Midlothian Township, Ontario NAD 83 Zone 17

Rock Sample	Original Sample	Easting	Northing	Claim Cell	Gold ppm	Previous Gold ppm	Ni ppm	Pt ppm	Pd ppm	Notes
MID-11	ML-41	500169	5304748	549939, 41P15E081	0.022 0.019	0.006	3630	0.109	0.252	Sheared mafic with 5% pyrite, qtz & carbonate, big boulder
MID-12	PIT sample	500168	5304820	549939, 41P15E081	0.045 0.035	NA	1010	<0.005	0.005	Office sample, large pit, green carbonate with grey and white quartz stringers , carbonated. Big Pit
MID-13	PIT sample	500168	5304820	549939, 41P15E081	24.6 2.23	NA	379	<0.005	0.003	Office Sample, same as above. Big Pit
MID-14	MID-5	500156	5304825	549939, 41P15E081	0.008 0.011	0.005	1320	<0.005	0.006	Weak green carbonate, dolomite &light brown altered wallrock to green carbonate. Grey quartz, trace epidote, no sulphides. Big Pit
MID-15	ML-5	500104	5304904	549439, 41P15E081	0.015 0.013	0.002	764	<0.005	0.007	Strong green carb close to diabase dike, siliceous, tr. fine py, stripped area.
MID-16	MID-6	500163	5304823	549939, 41P15E081	0.212 0.194	0.446	1950	0.005	0.007	strong green carbonate with grey – white qtz stringers 3 cm wide 1-5% fine pyrite in wallrock and along string contacts. Big Pit
MID-17	MID-8	500155	5304808	549939, 41P15E081	0.071 0.063	0.034	1010	<0.005	0.006	Moderate green carbonate + 50% quartz, 1-5% fine disseminated pyrite in wallrock. Loose, bottom of pit.
MID-18	MID-2	500108	5304837	549939, 41P15E081	0.005 0.004	0.013	691	<0.005	0.004	Loose by small pit. Strong green carbonate. Same as MID 1, two generation grey & white quartz stringers, Tr-3% disseminated cubic py in wallrock
MID-19	MID-3	500160	5304823	549939, 41P15E081	0.604 0.840	3.65	745	0.007	0.005	Strong green carbonate with grey and white quartz stringers. Trace fine pyrite in wallrock. Resample of ML-50 Big Pit
MID-20	MID-4	500160	5304823	549939, 41P15E081	0.047 0.006	0.077	1100	0.009	0.010	Moderate green carbonate, same as MID 3, 50:50 grey & white qtz and wallrock 1-5% fine cubic py in wallrock. Big Pit
MID-21	MID-7	500161	5304805	549939, 41P15E081	0.028 0.034	0.013	866	<0.005	0.004	Strong green carbonate with trace – 3% fine pyrite & several generations of quartz, trace bornite with malachite. Loose in pit.
MID-22	MID-1	500103	5304840	549939, 41P15E081	0.004 0.003	0.048	865	0.008	0.009	Strong green carbonate, small pit east side of green carbonate unit. White to pink qtz stringers at various orientations. Trace pyrite in wallrock
MID-23	ML-45	500111	5304803	549939, 41P15E081	0.043 0.027	0.074	1700	0.006	0.007	Quartz + strong green carbonate, 1% pyrite in pit
MID-24	ML-6	500104	5304904	549439, 41P15E081	0.005 0.006	0.004	618	0.010	0.010	Diabase contact with conglomerate, qtz carb tr. cpy. Stripped area.
MID-25	ML-39	500161	5304733	549939, 41P15E081	0.027 0.028	0.018	892	<0.005	0.006	Moderate green carb with grey quartz outcrop, steep slope E, boulder.
MID-26	ML-49	500167	5304820	549939, 41P15E081	0.175 0.157	0.072	1050	<0.005	0.003	Qtz + fuch + black tourmaline 1-5% fine pyrite, loose by pit E side
MID-27	ML-46	500111	5304803	549939, 41P15E081	0.054 0.053	0.108	799	<0.005	0.004	Strong green carbonate with qtz stringers with 5% 2cm blebs of pyrite , loose beside pit
MID-28	ML-47	500113	5304803	549939, 41P15E081	2,94 1.72	0.527	463	<0.005	0.003	White to pink Qtz – carb – fuch stringers, Tr, - 2% cubic pyrite, loose beside pit. Fire Assay & Total Metallics Assay.
MID-29	ML-50	500165	5304821	549939, 41P15E081	0.070 IS	14.7	435	IS	IS	Quartz stringers/ veins in green carbonate, NW corner bottom of pit, chips 1m. Fire Assay & Total Metallic Assay. Big Pit
MID-30	ML-51	500163	5304822	549939, 41P15E081	0.070 0.070	0.104	1160	0.005	0.004	Grab at top W side of big pit, quartz + FeC + white quartz in green carb wallrock, 1-5% py, tr. cpy. Big Pit

MID-11 (ML-41) 3,630 ppm Ni, 0.109 ppm Pt, 0.252 ppm Pd

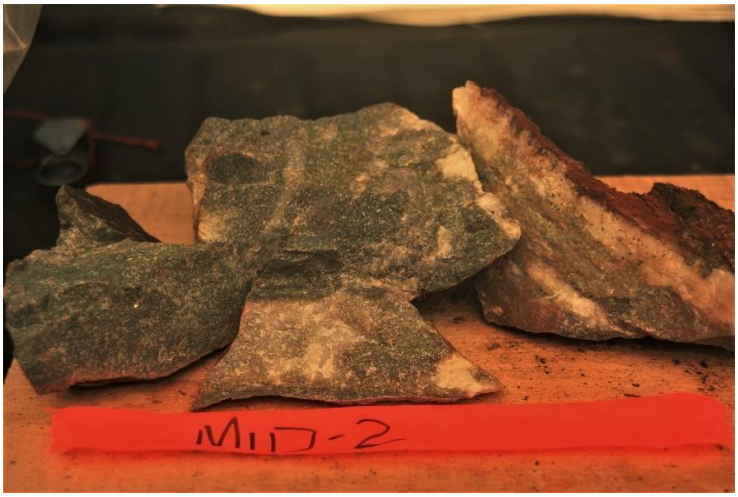
MID-12 (ML-41) 1,010 ppm Ni

MID-14 (MID-5) 1,320 ppm Ni

MID-15 (ML-5) 764 ppm Ni

MID-16 (MID-6) 1,950 ppm Ni

MID-17 (MID-8) 1,010 ppm Ni



MID-18 (MID-2) 691 ppm Ni

MID-19 (MID-3) 745 ppm Ni

MID-20 (MID-4) 1,100 ppm Ni

MID-21 (MID-7) 866 ppm Ni

MID-22 (MID-1) 865 ppm Ni

MID-23 (ML-45) 1,700 ppm Ni

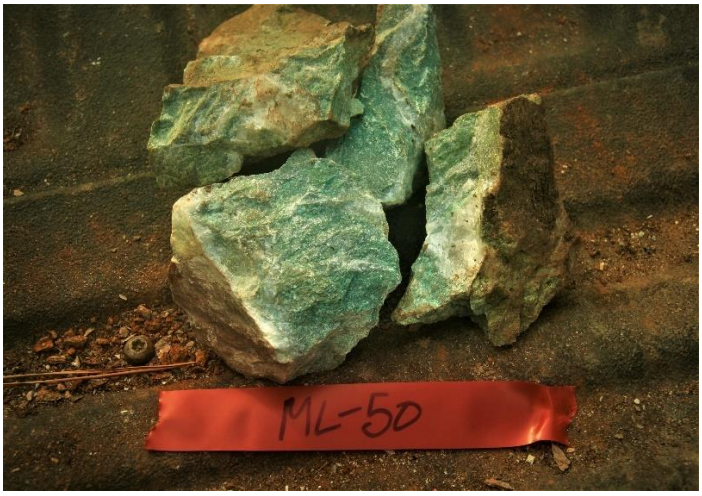
MID-24 (ML-6) 618 ppm Ni

MID-25 (ML-45) 892 ppm Ni

MID-26 (ML-49) 1,050 ppm Ni

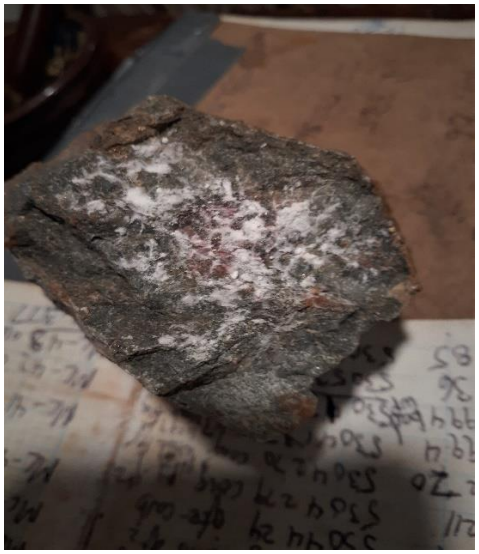
MID-27 (ML-46) 799 ppm Ni

MID-28 (ML-47) 463 ppm Ni



MID-29 (ML-50) 435 ppm Ni

MID-30 (ML-51) 1,160 ppm Ni



MID-11 Positive Dimethylglyoxime test

Positive Dimethylglyoxime test on all samples

Office Sample from Big Pit

Discussion of Results

The discovery of widespread nickel mineralization in listwanites of the Laroma Prospect was unexpected as the author is not aware of reports of nickel in historic literature for the prospect and may have been overlooked if not for the subsequent petrology and microprobe work by Dr. Renaud. The samples contained in this report were taken in an area roughly 175 m long and 60 m wide where there are numerous, pits, trenches and stripped areas associated with the Laroma Prospect and were not sampled. There are large areas south of the property which have been stripped also.

Nickel appears to be associated with very fine sulphides in the green carbonate/ listwanite rock. From microprobe examination, Dr. Renaud (2022) suggests,

> "There were a number of different Ni-sulphides encountered through the investigation including: Ni-S (vaesite), As-Ni-Sb-S, As-Ni-Co-Sb-S, Sb-Ni-As-S, and Ni-As-S."

Assay results show elevated concentrations and a correlation of these elements including Hg and Mn.

Sampling during the program was mostly focused on gold mineralization with a biased towards sampling areas of quartz veining within the prospect. There appears to be several generations of quartz based on colour and cross-cutting features. There also appears to be variations in the amount of carbonate alteration throughout the prosect, evident on weathered surfaces in some of the rock sample pictures. Gold values obtained from the sampling are erratic and possibly influenced by nugget-like dispersion as multiple assays on samples has shown. Our biased towards sampling quartz-rich areas of the prospect may have had some influence on nickel values since the Ni-sulphides generally occur in the green carbonate wallrock as opposed to the quartz. Further rock sampling for nickel should focus on quartz-poor areas also.

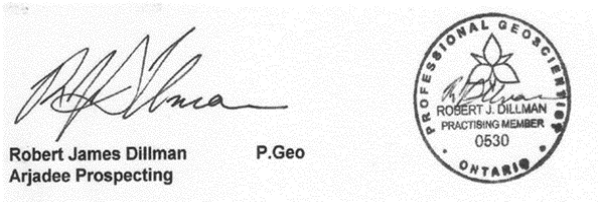
Nickel and highly anomalous Pt, Pd, Cu and Co were discovered in a large boulder of sheared and sulphide-bearing mafic metavolcanic rock. The boulder was located on the east side of the Laroma Prospect and possibly comes from a low area coinciding with a fault striking north-south along the east side of the prospect.

Conclusions and Recommendations

The discovery of nickel in the Laroma Prospect adds a new dimension to exploration on the prospect. The extent of the nickel mineralization is unknown and results from rock sampling suggest it is widespread. Additional exploration work is warranted to evaluate the nickel potential of Laroma Prospect. It is recommended that a grid be cut for additional prospecting, geological mapping, petrology, mechanized overburden stripping and ground geophysical surveys consisting of magnetometer, VLF and IP. The cost of the proposed work is $110,000 and outlined as follows:

Grid	$15,000
Prospecting	10,000
Geological Mapping	15,000
Petrology	15,000
Magnetometer Survey	15,000
VLF Survey	15,000
IP Survey	20,000
Assays	5,000
	$110,000

Respectfully submitted,



Robert Dillman B.Sc. P.Geo.

June 1, 2022

References

Bright, E. G. 1970. Geology of Halliday and Midlothian Townships. Geological Report 79. Ontario Department of Mines.

Buckman, Solomon & Ashley, Paul, 2010. Silica-Carbonate (Listwanites) Related Gold Mineralization Associated with Epithermal Alteration of Serpentinite Bodies.

Dillman, R.J., and Renaud, R., 2022. Report on a Prospecting Traverse, Midlothian Lake-Mitre Lake Area Midlothian Lake Property: Larder Lake Mining Division Midlothian Township, Ontario. Unpublished assessment report.

Leblanc, M., 1986. Co-Ni Arsenide Deposits, with Accessory Gold, in Ultramafic Rocks from Morocco; Canadian Journal of Earth Sciences, Volume 23, pages 1592-1602.

MacRea, William., 2011. Diamond Drill Report on the Montrose Property For Explor Resources Inc. Montrose and Midlothian Townships, Larder Lake Mining Division, Ontario. Unpublished assessment report 20000007609.

Préfontaine, S. and Robichaud, L. 2013. Precambrian geology of Midlothian Township; Ontario Geological Survey, Preliminary Map P.3772, scale 1:20 000.

Prefontaine, S., 2011. Geology and mineral potential of Midlothian Township, Halliday Dome, Abitibi greenstone belt; in Summary of Filed work and other activities 2011, Ontario Geological Survey, Open File Report 6270, p 4-1 to 4-12.

Renaud, J., 2022. Petrographic and Electron Microprobe Examination of Listwanite Samples from the Laroma Prospect, Midlothian Lake Property, Larder Lake Mining Division, Midlothian Township, Ontario. Unpublished assessment report.

Robert J. Dillman P.Geo, B.Sc.
ARJADEE PROSPECTING
8901 Reily Drive, Mount Brydges, Ontario, Canada, N0L1W0
Phone/ fax (519) 264-9278

CERIFICATE of AUTHOR

I, Robert J. Dillman, Professional Geologist, do certify that:

1. **I am the President and the holder of a Certificate of Authorization for:**

   ARJADEE PROSPECTING
   8901 Reily Drive, Mount Brydges, Ontario, Canada N0L1W0

2. **I graduated in 1991 with a Bachelor of Science Degree in Geology from the University of Western Ontario.**

3. **I am an active member of:**

   Professional Geoscientists of Ontario, PGO
   Prospectors and Developers Association of Canada, PDAC

4. **I have been a licensed Prospector in Ontario since 1984.**

5. **I have worked continuously as a Professional Geologist for 31 years.**

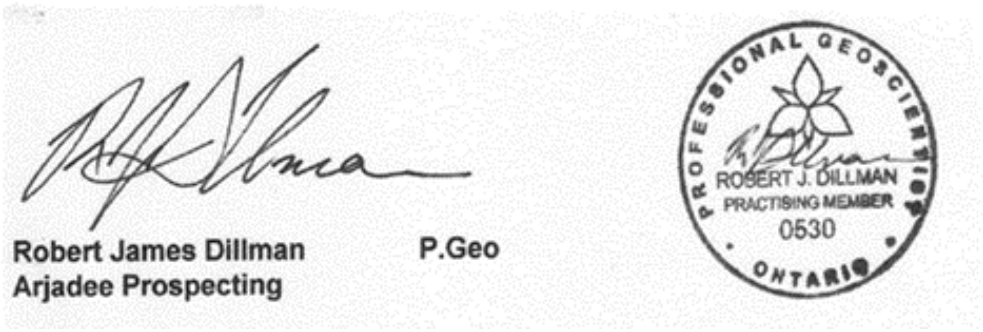
6. **Unless stated otherwise, I am responsible for the preparation of all sections of the Assessment Report titled:**

   ROCK SAMPLE REPORT LAROMA PROSPECT: GREEN MONSTER PROJECT MIDLOTHIAN LAKE PROPERTY, LARDER LAKE MINING DIVISION, MIDLOTHIAN TOWNSHIP, ONTARIO

   dated, June 1, 2022

7. **I am not aware of any material fact or material change with respect to the subject matter of the Assessment Report that is not contained in the Assessment Report and its omission to disclose makes the Assessment Report misleading.**

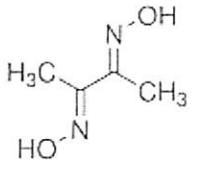
   Dated this 1st day of June, 2022



Certificate of Analysis

ALPHACHEM 1-888-338-2995
(905) 821-2995

Product Name:
Dimethylglyoxime – ACS reagent, ≥99%



Batch Number:	**MKCJ7848**
CAS Number:	95-45-4
MDL Number:	MFCD00002117
Formula:	C4H8N2O2
Formula Weight:	116.12 g/mol
Quality Release Date:	10 APR 2019

Test	Specification	Result
Appearance (Color)	White to Off-White	Off-White
Appearance (Form)	Powder	Powder
Melting Point Approximate		239 °C
Infrared Spectrum	Conforms to Structure	Conforms
Carbon	40.9 - 41.8 %	41.6 %
Nitrogen	23.8 - 24.4 %	23.9 %
Residue on ignition (Ash)	≤ 0.05 %	< 0.01 %
Insoluble Matter	≤ 0.02 %	0.02 %
Suitability Suitablility For Nickel Determination	Pass	Pass
Meets ACS Requirements	Current ACS Specification	Conforms

Michael Grady, Manager
Quality Control
Milwaukee, WI US

AGAT Laboratories

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

CLIENT NAME: ROBERT DILLMAN
8901 REILY DRIVE
MOUNT BRYDGES, ON N0L 1W0
519-264-9278

ATTENTION TO: ROBERT DILLMAN

PROJECT:

AGAT WORK ORDER: 21T843933

SOLID ANALYSIS REVIEWED BY: Sherin Moussa, Senior Technician

DATE REPORTED: Apr 25, 2022

PAGES (INCLUDING COVER): 15

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

*Notes

Disclaimer:

- *All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.*
- *All samples will be disposed of within 90 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.*
- *AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.*
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- *The test results reported herewith relate only to the samples as received by the laboratory.*
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Certificate of Analysis

AGAT WORK ORDER: 21T843933
PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(200-) Sample Login Weight

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Sample Login Weight
Unit:	g
Sample ID (AGAT ID) RDL:	0.01
MID-11 (3337314)	269.7
MID-12 (3337315)	288.0
MID-13 (3337316)	571.0
MID-14 (3337317)	252.7
MID-15 (3337318)	367.7
MID-16 (3337319)	135.1
MID-17 (3337320)	246.4
MID-18 (3337321)	87.8
MID-19 (3337322)	174.5
MID-20 (3337323)	164.6
MID-21 (3337324)	281.0
MID-22 (3337325)	157.2
MID-23 (3337326)	134.6
MID-24 (3337327)	89.5
MID-25 (3337328)	72.3
MID-26 (3337329)	184.5
MID-27 (3337330)	98.6
MID-28 (3337331)	128.3
MID-29 (3337332)	34.2
MID-30 (3337333)	122.4

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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AGAT WORK ORDER: 21T843933
PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cu	Fe
Unit:	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%
Sample ID (AGAT ID) RDL:	0.2	0.01	1	5	1	0.5	1	0.01	0.5	1	0.5	0.5	0.5	0.01
MID-11 (3337314)	<0.2	3.26	228	<5	10	<0.5	6	5.15	2.4	<1	447	3080	517	9.67
MID-12 (3337315)	<0.2	0.09	809	<5	13	<0.5	1	12.6	8.0	<1	66.5	158	19.8	4.76
MID-13 (3337316)	<0.2	0.05	391	<5	8	<0.5	<1	15.0	3.9	<1	23.4	103	9.2	3.40
MID-14 (3337317)	<0.2	0.98	122	<5	3	<0.5	<1	3.30	1.3	<1	93.1	741	24.7	4.78
MID-15 (3337318)	<0.2	0.11	95	<5	23	<0.5	3	9.88	1.0	<1	60.0	183	47.5	5.22
MID-16 (3337319)	<0.2	0.11	2260	<5	8	<0.5	2	9.75	21.5	<1	138	232	21.6	4.21
MID-17 (3337320)	<0.2	0.09	392	<5	8	<0.5	<1	11.7	3.9	<1	112	147	9.5	4.63
MID-18 (3337321)	<0.2	0.52	169	<5	6	<0.5	3	12.0	2.0	<1	54.7	508	13.8	4.24
MID-19 (3337322)	<0.2	0.09	933	<5	8	<0.5	1	12.3	9.3	<1	60.0	167	18.1	4.94
MID-20 (3337323)	<0.2	1.14	201	<5	12	<0.5	2	7.91	2.1	<1	78.4	615	59.6	6.62
MID-21 (3337324)	<0.2	0.08	1000	<5	15	<0.5	3	11.9	10.6	<1	61.2	146	34.0	4.72
MID-22 (3337325)	<0.2	0.17	41	<5	12	<0.5	3	13.1	0.7	<1	62.9	257	20.0	5.42
MID-23 (3337326)	<0.2	0.11	3	<5	9	<0.5	2	16.9	<0.5	<1	71.6	268	36.6	5.03
MID-24 (3337327)	<0.2	2.38	81	<5	18	<0.5	2	7.35	1.1	<1	82.8	1500	80.2	5.76
MID-25 (3337328)	<0.2	0.74	508	<5	5	<0.5	<1	5.72	5.4	<1	64.9	1620	22.2	4.39
MID-26 (3337329)	<0.2	0.06	454	<5	5	<0.5	<1	11.5	4.4	<1	57.4	151	0.9	3.31
MID-27 (3337330)	<0.2	0.14	43	<5	7	<0.5	2	16.6	<0.5	<1	65.3	258	1.1	4.61
MID-28 (3337331)	<0.2	0.04	62	<5	5	<0.5	2	22.3	0.6	<1	29.6	146	<0.5	4.26
MID-29 (3337332)	<0.2	0.05	411	<5	6	<0.5	2	12.6	4.1	<1	31.6	147	36.4	4.65
MID-30 (3337333)	<0.2	0.08	1300	<5	13	<0.5	4	10.2	13.0	<1	62.9	175	18.7	4.60

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T843933

PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Ga	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Ni	P	Pb	Rb
Unit:	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	5	1	1	0.01	1	1	0.01	1	0.5	0.01	0.5	10	0.5	10
MID-11 (3337314)	<5	5	<1	<0.01	<1	87	5.86	1450	2.9	<0.01	3630	197	<0.5	<10
MID-12 (3337315)	<5	11	<1	0.02	<1	3	5.63	2480	<0.5	0.03	1010	88	<0.5	<10
MID-13 (3337316)	<5	15	<1	<0.01	<1	3	7.53	3480	<0.5	0.03	379	74	<0.5	<10
MID-14 (3337317)	<5	3	<1	<0.01	<1	40	11.2	709	<0.5	<0.01	1320	78	<0.5	<10
MID-15 (3337318)	<5	8	<1	0.05	<1	3	3.96	2030	2.6	0.02	764	122	<0.5	<10
MID-16 (3337319)	<5	8	<1	0.02	<1	2	4.34	1980	<0.5	0.04	1950	139	<0.5	<10
MID-17 (3337320)	<5	10	<1	0.02	<1	2	5.19	2430	<0.5	0.03	1010	86	<0.5	<10
MID-18 (3337321)	<5	7	<1	0.01	<1	22	6.11	1940	<0.5	0.03	691	30	<0.5	<10
MID-19 (3337322)	<5	11	<1	0.02	<1	2	5.41	2690	<0.5	0.03	745	94	<0.5	<10
MID-20 (3337323)	<5	12	<1	0.02	<1	46	4.25	3140	<0.5	0.03	1100	119	<0.5	<10
MID-21 (3337324)	<5	10	<1	0.01	<1	2	5.33	2620	<0.5	0.03	866	131	<0.5	<10
MID-22 (3337325)	<5	13	<1	0.04	<1	5	5.33	2990	<0.5	0.04	865	97	<0.5	<10
MID-23 (3337326)	<5	17	<1	0.02	<1	3	3.97	4030	<0.5	0.03	1700	85	<0.5	<10
MID-24 (3337327)	<5	8	<1	0.05	<1	94	5.56	2030	<0.5	<0.01	618	226	<0.5	<10
MID-25 (3337328)	<5	4	<1	0.01	<1	33	9.41	1040	<0.5	0.02	892	63	<0.5	<10
MID-26 (3337329)	<5	9	<1	0.01	<1	2	5.53	2350	<0.5	0.02	1050	57	<0.5	<10
MID-27 (3337330)	<5	19	<1	<0.01	<1	5	4.30	4580	<0.5	0.03	799	61	<0.5	<10
MID-28 (3337331)	<5	20	<1	<0.01	1	2	3.39	4670	<0.5	0.01	463	54	<0.5	<10
MID-29 (3337332)	<5	14	<1	0.01	<1	2	5.40	3380	<0.5	0.01	435	32	<0.5	<10
MID-30 (3337333)	<5	14	<1	0.01	<1	2	4.44	3260	<0.5	0.02	1160	84	<0.5	<10

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T843933

PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti	Tl	U	V	W
Unit:	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.01	1	0.5	10	5	0.5	10	10	5	0.01	5	5	0.5	1
MID-11 (3337314)	3.62	23	16.3	<10	<5	108	<10	<10	<5	<0.01	<5	<5	108	4
MID-12 (3337315)	0.29	41	9.5	<10	<5	96.3	<10	<10	<5	<0.01	<5	<5	15.2	2
MID-13 (3337316)	0.06	34	5.5	<10	<5	77.5	<10	<10	<5	<0.01	<5	<5	7.8	<1
MID-14 (3337317)	0.04	25	10.7	<10	<5	48.1	<10	<10	<5	<0.01	<5	<5	37.5	1
MID-15 (3337318)	0.35	4	11.0	<10	<5	106	<10	<10	<5	<0.01	<5	<5	12.1	<1
MID-16 (3337319)	1.06	104	10.9	<10	<5	83.0	<10	<10	<5	<0.01	<5	<5	15.5	2
MID-17 (3337320)	0.61	15	11.0	<10	<5	97.8	<10	<10	<5	<0.01	<5	<5	14.9	<1
MID-18 (3337321)	0.21	10	8.1	<10	<5	106	<10	<10	<5	<0.01	<5	<5	25.5	<1
MID-19 (3337322)	0.58	49	11.2	<10	<5	119	<10	<10	<5	<0.01	<5	<5	17.5	<1
MID-20 (3337323)	0.10	7	18.9	<10	<5	95.2	<10	<10	<5	<0.01	<5	<5	49.9	<1
MID-21 (3337324)	0.09	46	9.0	<10	<5	90.3	<10	<10	<5	<0.01	<5	<5	13.9	1
MID-22 (3337325)	0.05	4	13.9	<10	<5	119	<10	<10	<5	<0.01	<5	<5	17.1	1
MID-23 (3337326)	0.12	3	12.1	<10	<5	66.5	<10	<10	<5	<0.01	<5	<5	18.2	3
MID-24 (3337327)	0.02	10	19.2	<10	<5	125	<10	<10	<5	<0.01	<5	<5	77.7	<1
MID-25 (3337328)	0.03	40	9.6	<10	<5	53.3	<10	<10	<5	<0.01	<5	<5	32.3	<1
MID-26 (3337329)	0.19	26	6.4	<10	<5	87.3	<10	<10	<5	<0.01	<5	<5	8.3	1
MID-27 (3337330)	0.39	5	14.3	<10	<5	78.2	<10	<10	<5	<0.01	<5	<5	13.2	<1
MID-28 (3337331)	0.73	7	15.5	<10	<5	98.6	<10	<10	<5	<0.01	<5	<5	9.3	<1
MID-29 (3337332)	0.04	35	8.1	<10	<5	104	<10	<10	<5	<0.01	<5	<5	18.7	<1
MID-30 (3337333)	0.06	61	8.6	<10	<5	84.3	<10	<10	<5	<0.01	<5	<5	14.7	1

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T843933
PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Y	Zn	Zr
Unit:	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	1	0.5	5
MID-11 (3337314)	6	54.6	<5
MID-12 (3337315)	4	35.3	<5
MID-13 (3337316)	5	21.6	<5
MID-14 (3337317)	2	40.9	<5
MID-15 (3337318)	4	44.8	<5
MID-16 (3337319)	3	24.5	<5
MID-17 (3337320)	5	24.4	<5
MID-18 (3337321)	3	39.4	<5
MID-19 (3337322)	4	32.3	<5
MID-20 (3337323)	3	54.1	<5
MID-21 (3337324)	3	29.2	<5
MID-22 (3337325)	5	23.3	<5
MID-23 (3337326)	3	39.5	<5
MID-24 (3337327)	3	47.2	<5
MID-25 (3337328)	2	35.2	<5
MID-26 (3337329)	3	22.2	<5
MID-27 (3337330)	4	23.8	<5
MID-28 (3337331)	3	20.2	<5
MID-29 (3337332)	3	31.9	<5
MID-30 (3337333)	4	34.5	<5

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

AGAT Laboratories

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Certificate of Analysis

AGAT WORK ORDER: 21T843933
PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

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

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Au
Unit:	ppm
Sample ID (AGAT ID) RDL:	0.001
MID-11 (3337314)	0.022
MID-12 (3337315)	0.045
MID-13 (3337316)	24.6
MID-14 (3337317)	0.008
MID-15 (3337318)	0.015
MID-16 (3337319)	0.212
MID-17 (3337320)	0.071
MID-18 (3337321)	0.005
MID-19 (3337322)	0.604
MID-20 (3337323)	0.047
MID-21 (3337324)	0.028
MID-22 (3337325)	0.004
MID-23 (3337326)	0.043
MID-24 (3337327)	0.005
MID-25 (3337328)	0.027
MID-26 (3337329)	0.175
MID-27 (3337330)	0.054
MID-28 (3337331)	2.94
MID-29 (3337332)	0.246
MID-30 (3337333)	0.070

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T843933
PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

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

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Au	Pd	Pt
Unit:	ppm	ppm	ppm
Sample ID (AGAT ID) RDL:	0.001	0.001	0.005
MID-11 (3337314)	0.019	0.252	0.109
MID-12 (3337315)	0.035	0.005	<0.005
MID-13 (3337316)	2.23	0.003	<0.005
MID-14 (3337317)	0.011	0.006	<0.005
MID-15 (3337318)	0.013	0.007	<0.005
MID-16 (3337319)	0.194	0.007	0.005
MID-17 (3337320)	0.063	0.006	<0.005
MID-18 (3337321)	0.004	0.004	<0.005
MID-19 (3337322)	0.840	0.005	0.007
MID-20 (3337323)	0.006	0.010	0.009
MID-21 (3337324)	0.034	0.004	<0.005
MID-22 (3337325)	0.003	0.009	0.008
MID-23 (3337326)	0.027	0.007	0.006
MID-24 (3337327)	0.006	0.010	0.010
MID-25 (3337328)	0.028	0.006	<0.005
MID-26 (3337329)	0.157	0.003	<0.005
MID-27 (3337330)	0.053	0.004	<0.005
MID-28 (3337331)	1.72	0.003	<0.005
MID-29 (3337332)	IS	IS	IS
MID-30 (3337333)	0.070	0.004	0.005

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T843933

PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

Sieving - % Passing (Crushing)

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Crush-Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
MID-11 (3337314)	81.24

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Certificate of Analysis

AGAT WORK ORDER: 21T843933
PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

Sieving - % Passing (Pulverizing)

DATE SAMPLED: Dec 12, 2021 | DATE RECEIVED: Dec 13, 2021 | DATE REPORTED: Apr 25, 2022 | SAMPLE TYPE: Rock

Analyte:	Pul-Pass %
Unit:	%
Sample ID (AGAT ID) RDL:	0.01
MID-11 (3337314)	87.50

Comments: RDL - Reported Detection Limit

Analysis performed at AGAT 5623 McAdam Rd., Mississauga, ON (unless marked by *)
Insufficient Sample : IS
Sample Not Received : SNR

Certified By: Sherin Moussa

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Quality Assurance - Replicate

AGAT WORK ORDER: 21T843933

PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

	REPLICATE #1				REPLICATE #2													
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD										
Ag	3337329	< 0.2	<0.2	0.0%	3337314	< 0.2	<0.2	0.0%										
Al	3337329	0.06	0.06	0.0%	3337314	3.26	3.30	1.2%										
As	3337329	454	477	4.9%	3337314	228	232	1.7%										
B	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%										
Ba	3337329	5	6	18.2%	3337314	10	10	0.0%										
Be	3337329	< 0.5	<0.5	0.0%	3337314	< 0.5	<0.5	0.0%										
Bi	3337329	< 1	1	0.0%	3337314	6	5	18.2%										
Ca	3337329	11.5	11.7	1.7%	3337314	5.15	5.28	2.5%										
Cd	3337329	4.4	4.8	8.7%	3337314	2.4	2.4	0.0%										
Ce	3337329	< 1	<1	0.0%	3337314	< 1	2											
Co	3337329	57.4	60.5	5.3%	3337314	447	455	1.8%										
Cr	3337329	151	154	2.0%	3337314	3080	3090	0.3%										
Cu	3337329	0.9	0.8	11.8%	3337314	517	529	2.4%										
Fe	3337329	3.31	3.38	2.1%	3337314	9.67	9.84	1.7%										
Ga	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%										
Hg	3337329	9	10	10.5%	3337314	5	6	16.4%										
In	3337329	< 1	<1	0.0%	3337314	< 1	<1	0.0%										
K	3337329	0.01	0.01	0.0%	3337314	< 0.01	<0.01	0.0%										
La	3337329	< 1	<1	0.0%	3337314	< 1	<1	0.0%										
Li	3337329	2	2	0.0%	3337314	87	88	0.9%										
Mg	3337329	5.53	5.63	1.8%	3337314	5.86	5.96	1.8%										
Mn	3337329	2350	2400	2.1%	3337314	1450	1470	1.7%										
Mo	3337329	< 0.5	<0.5	0.0%	3337314	2.9	2.6	11.6%										
Na	3337329	0.02	0.02	0.0%	3337314	< 0.01	<0.01	0.0%										
Ni	3337329	1050	1080	2.8%	3337314	3630	3670	1.0%										
P	3337329	57	41	32.7%	3337314	197	212	7.2%										
Pb	3337329	< 0.5	<0.5	0.0%	3337314	< 0.5	<0.5	0.0%										
Rb	3337329	< 10	<10	0.0%	3337314	< 10	<10	0.0%										
S	3337329	0.19	0.20	5.1%	3337314	3.62	3.70	2.2%										
Sb	3337329	26	26	0.0%	3337314	23	23	2.8%										
Sc	3337329	6.4	6.5	1.6%	3337314	16.3	16.5	1.2%										

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CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

Se	3337329	< 10	<10	0.0%	3337314	< 10	<10	0.0%								
Sn	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%								
Sr	3337329	87.3	89.1	2.0%	3337314	108	109	1.6%								
Ta	3337329	< 10	<10	0.0%	3337314	< 10	<10	0.0%								
Te	3337329	< 10	<10	0.0%	3337314	< 10	<10	0.0%								
Th	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%								
Ti	3337329	< 0.01	<0.01	0.0%	3337314	< 0.01	<0.01	0.0%								
Tl	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%								
U	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%								
V	3337329	8.3	9.3	11.4%	3337314	108	109	0.6%								
W	3337329	1	<1	0.0%	3337314	4	4	5.3%								
Y	3337329	3	3	0.0%	3337314	6	6	2.5%								
Zn	3337329	22.2	23.5	5.7%	3337314	54.6	56.0	2.5%								
Zr	3337329	< 5	<5	0.0%	3337314	< 5	<5	0.0%								
(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	3337314	0.022	0.021	4.7%	3337329	0.175	0.178	1.7%								
(202-055) Fire Assay - Au, Pt, Pd Trace Levels, ICP-OES finish																
	REPLICATE #1				REPLICATE #2											
Parameter	Sample ID	Original	Replicate	RPD	Sample ID	Original	Replicate	RPD								
Au	3337314	0.0192	0.0196	2.1%	3337329	0.157	0.146	7.3%								
Pd	3337314	0.252	0.253	0.4%	3337329	0.003	0.003	0.0%								
Pt	3337314	0.109	0.100	8.6%	3337329	< 0.005	< 0.005	0.0%								

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Quality Assurance - Certified Reference materials

AGAT WORK ORDER: 21T843933

PROJECT:

CLIENT NAME: ROBERT DILLMAN

ATTENTION TO: ROBERT DILLMAN

(201-073) Aqua Regia Digest - Metals Package, ICP-OES finish

	CRM #1 (ref.ME-1206)				CRM #2 (ref.ME-1308)				CRM #3 (ref.GS1P5T)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Ag	274.0	276	101%	80% - 120%	45.7	46.9	103%	80% - 120%								
Cu	7900.0	7830	99%	80% - 120%	3980.0	4280	107%	80% - 120%								
Pb	8010.0	7430	93%	80% - 120%	5410.0	5340	99%	80% - 120%								
Zn	23800.0	20600	87%	80% - 120%	4290.0	4190	98%	80% - 120%								

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

	CRM #1 (ref.GS5X)				CRM #2 (ref.GS1P5T)				CRM #3 (ref.GS1P5T)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	5.04	5.35	106%	90% - 110%	1.75	1.74	100%	90% - 110%								

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

	CRM #1 (ref.GS5X)				CRM #2 (ref.PGMS30)				CRM #3 (ref.GS1P5T)							
Parameter	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits	Expect	Actual	Recovery	Limits				
Au	5.04	5.37	107%	90% - 110%					1.75	1.74	100%	90% - 110%				
Pd					1.660	1.583	95%	90% - 110%								
Pt					0.223	0.238	107%	90% - 110%								

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Method Summary

CLIENT NAME: ROBERT DILLMAN
AGAT WORK ORDER: 21T843933
PROJECT:
ATTENTION TO: ROBERT DILLMAN
SAMPLING SITE:
SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Solid Analysis			
Sample Login Weight	MIN-12009		BALANCE
Ag	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Al	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
As	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
B	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ba	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Be	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Bi	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ca	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cd	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ce	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Co	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Cu	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Fe	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ga	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Hg	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
In	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
K	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
La	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Li	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mg	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Mo	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Na	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ni	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
P	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Pb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES

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Method Summary

CLIENT NAME: ROBERT DILLMAN

AGAT WORK ORDER: 21T843933

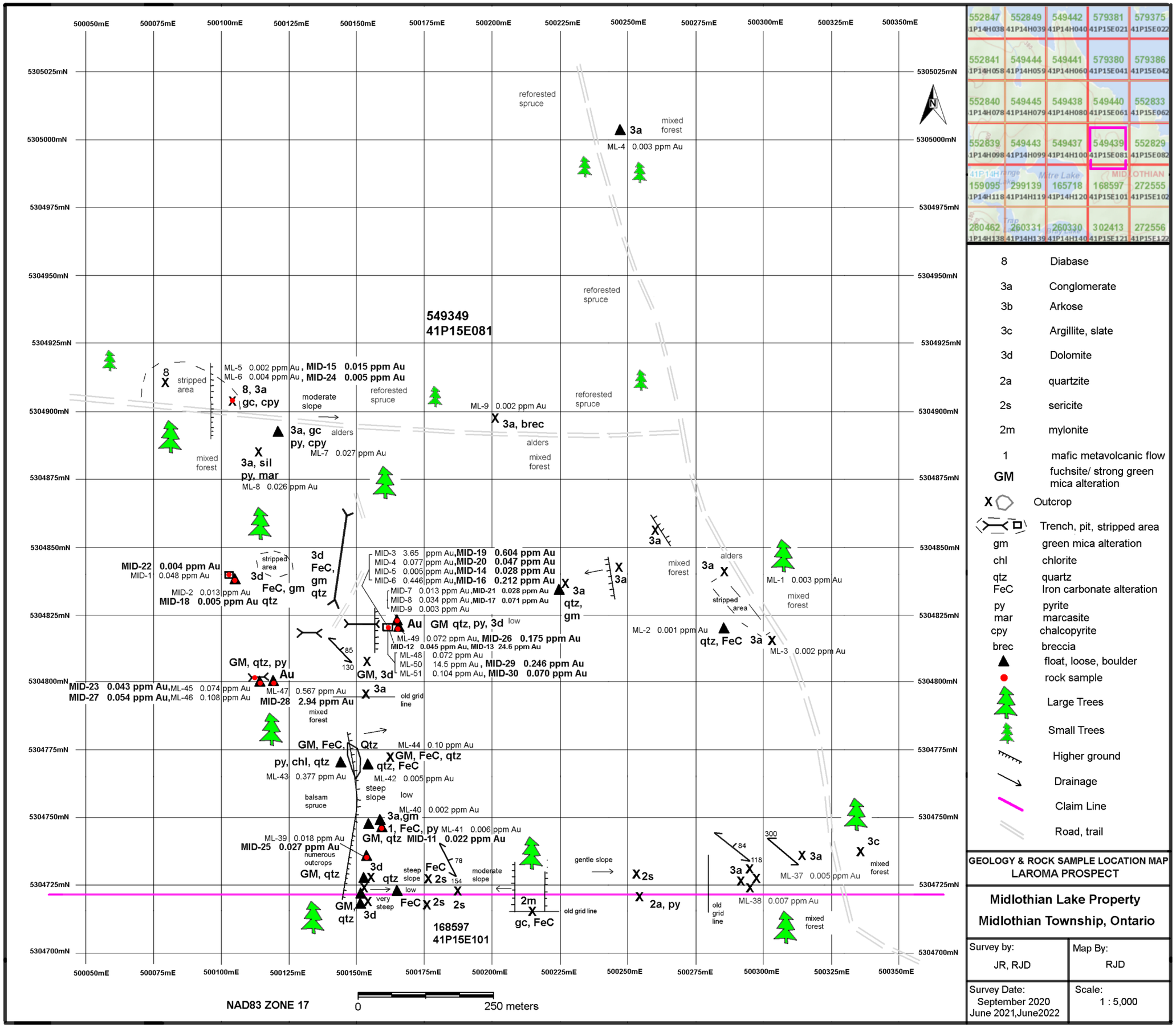
PROJECT:

ATTENTION TO: ROBERT DILLMAN

SAMPLING SITE:

SAMPLED BY:

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Rb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
S	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sb	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sc	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Se	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Sr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ta	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Te	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Th	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Ti	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Tl	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
U	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
V	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
W	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Y	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zn	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Zr	MIN-200-12020	Fletcher, WK: Handbook of Exploration Geochem	ICP/OES
Au	MIN-12006, MIN-12004		ICP/OES
Au	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Pd	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Pt	MIN-12006, MIN-12004	Bugbee E: Textbook of Fire Assaying	ICP/OES
Crush-Pass %			BALANCE
Pul-Pass %			BALANCE

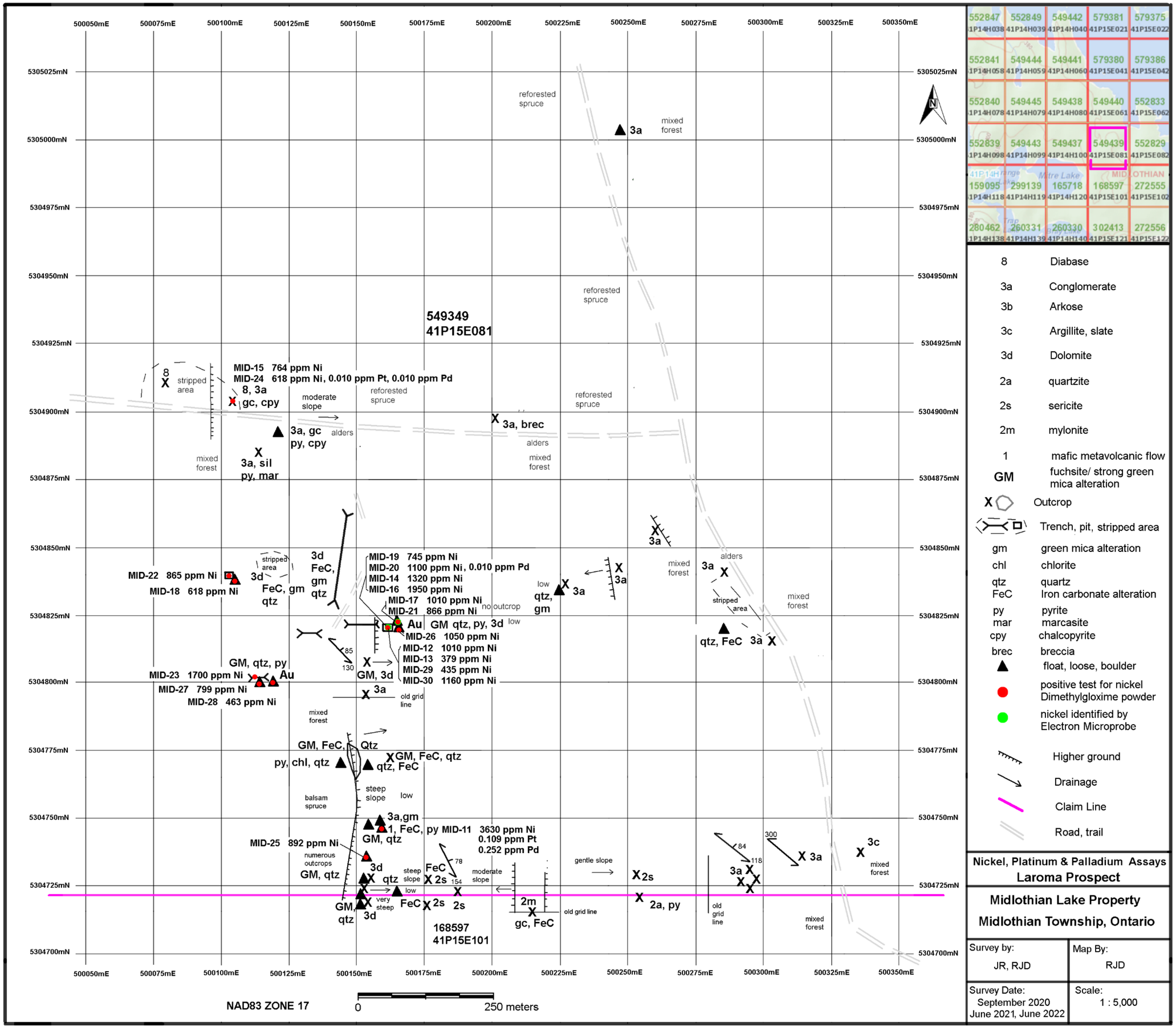


8	Diabase
3a	Conglomerate
3b	Arkose
3c	Argillite, slate
3d	Dolomite
2a	quartzite
2s	sericite
2m	mylonite
1	mafic metavolcanic flow
GM	fuchsite/ strong green mica alteration
X	Outcrop
	Trench, pit, stripped area
gm	green mica alteration
chl	chlorite
qtz	quartz
FeC	Iron carbonate alteration
py	pyrite
mar	marcasite
cpy	chalcopyrite
brec	breccia
	float, loose, boulder
	rock sample
	Large Trees
	Small Trees
	Higher ground
	Drainage
	Claim Line
	Road, trail

GEOLOGY & ROCK SAMPLE LOCATION MAP
LAROMA PROSPECT

Midlothian Lake Property
Midlothian Township, Ontario

Survey by:	Map By:
JR, RJD	RJD
Survey Date: September 2020 June 2021,June2022	Scale: 1 : 5,000



8	Diabase
3a	Conglomerate
3b	Arkose
3c	Argillite, slate
3d	Dolomite
2a	quartzite
2s	sericite
2m	mylonite
1	mafic metavolcanic flow
GM	fuchsite/ strong green mica alteration
X	Outcrop
	Trench, pit, stripped area
gm	green mica alteration
chl	chlorite
qtz	quartz
FeC	Iron carbonate alteration
py	pyrite
mar	marcasite
cpy	chalcopyrite
brec	breccia
▲	float, loose, boulder
●	positive test for nickel Dimethylgloxime powder
●	nickel identified by Electron Microprobe
	Higher ground
	Drainage
	Claim Line
	Road, trail

Nickel, Platinum & Palladium Assays
Laroma Prospect

Midlothian Lake Property
Midlothian Township, Ontario

Survey by: JR, RJD	Map By: RJD
Survey Date: September 2020 June 2021, June 2022	Scale: 1 : 5,000

Expenses: J. Renaud, R. Dillman
Midlothian Lake Property: June 1, 2022 Report

Work					
December 8 -December 10, 2021	Sample Logistics 1 man 1 day $500/ man	500	0		500
Report					
December 21 -December 28. 2021	3 days $500/ day June 1,2022 Report	1500	0	1500	1500
Assays					
January 25, 2022	20 Assays @ $44.25/ assay (No HST)	885.00			
April 26, 2022	20 Assays @ $23.50/ assay (N0 HST)	470.00			1355
Sample Shipment					
December 10, 2021	Postnet North London	80.55			80.55

Expenses for June 1, 2022 Report

1 day Dec. 8 to Dec. 10 Sample Logistics 1 man	$500 / day	500.00
3 days Report x 1 man	$500 / day	1500.00
20 Assays Jan. 25, 2022	20 x $44.25	885.00
20 Assays Apr. 26, 2022	20 x $23.50	470.00
Sample Shipment Postnet North London	$80.55	80.55
		$3,435.55